Project Title:

THE FOF-DESIGNER: DIGITAL DESIGN SKILLS FOR FACTORIES OF THE FUTURE

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Lead Organisation:

UNIBG

Project Coordinator:

ULBS

Contributors:

All Partners

Reviewers:

UNIBIAL

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1 Executive Summary

In this deliverable a summary of the quality assessment for every training material prepared in the period M1-M18 and in the period M19-M36 are reported.

The form used to collect the feedback has been defined in WP6 – Quality assurance, D6.3 -Handbook on QA of Trainings.

2 Training material evaluation

As reported in deliverable "D6.3 - Handbook on QA of Trainings", ensuring high-value quality of training materials implies setting up homogenous and continuous evaluation processes from the creation to the final use. The evaluation of the training material is carried out by:

- Internal evaluators are senior members of the DigiFoF consortium;
- External evaluators are people with expertise in the training field, from university, research centers and companies.

As mentioned above, evaluation must be organized at different steps in order that the training materials do not remain monolithic blocks quickly losing their interest. Evaluation could rather be seen as a way of maintaining the relevance of the content by making some changes if needed.

The training materials prepared so far and evaluated in this deliverable are reported in the table below.

Training material	Authors	Internal Evaluator	External evaluator	Period
Process-oriented topic:	BOC-PL	UNIBG	Elena Legnani – Wittur	M1-M18
Fundamentals of Business				
Process Management (BPM)				
Process-oriented topic:	BOC-PL	UNIBG	Elena Legnani – Wittur	M19-M36
Process performance				
monitoring				
Process-oriented topic:	BOC-PL	UNIBG	Elena Legnani – Wittur	M19-M36
Process performance				
monitoring				
Integration of the uses and	CIRIDD	AFIL	Valerio Pesenti –	M1-M18
the design in the company			Intellimech Consortium	
business model				
Rapid implementation of	CONTI	UNIBG	Valerio Pesenti –	M1-M18
Cobots in industrial			Intellimech Consortium	
environment				
AGV for modern Logistics in	CONTI	UNIBG	Valerio Pesenti –	M19-M36
industrial companies			Intellimech Consortium	
Workplace safety –	ULBS	UNIBG	Michele Ermidoro –	M1-M18
Employees emotion			AiSent	
recognition				
Smart City Modelling using	ULBS	UNIBG	Michele Ermidoro –	M1-M18
ADOxx			AiSent	
Petri Nets based automation	ULBS	UNIBG	Michele Ermidoro –	M1-M18
of manufacturing systems			AiSent	
Customers needs' services	EMSE	UNIBG	Paolo Gaiardelli –	M1-M18
deployment			University of Bergamo	

Product-Service System design	EMSE	UNIBG	Paolo Gaiardelli – University of Bergamo	M1-M18
Transformation of Industrial Business Model through digitalization and servitization	EMSE	UNIBG	Paolo Gaiardelli – University of Bergamo	M1-M18
Introduction to the concept of PSS and to the dedicated PS3M modelling method	EMSE	UNIBG	Paolo Gaiardelli – University of Bergamo	M1-M18
Circular Economy and Product-Service System	EMSE	UNIBG	Paolo Gaiardelli – University of Bergamo	M1-M18
Deployment of Service- oriented Strategy	EMSE	UNIBG	Paolo Gaiardelli – University of Bergamo	M1-M18
Design Thinking for Product- Service System Design	EMSE	UNIBG	Paolo Gaiardelli – University of Bergamo	M1-M18
Scientific/Research Foundations of Conceptual Modelling	EMSE	UNIBG	Paolo Gaiardelli – University of Bergamo	M1-M18
Business process analysis and rengeneering	UNIBG	AFIL	Valerio Pesenti – Intellimech Consortium	M1-M18
Service Operations Management	UNIBG	AFIL	Elena Legnani – Wittur	M1-M18
Product-service system engineering	UNIBG	AFIL	Elena Legnani – Wittur	M1-M18
Process Simulation in manufacturing	UNIBG	AFIL	Elena Legnani – Wittur	M1-M18
Fundamentals of Business Process Management	UNIBIAL	UNIBG	Paolo Gaiardelli – University of Bergamo	M1-M18
Business model canvas for FoF strategy creation	UNIBIAL	UNIBG	Paolo Gaiardelli – University of Bergamo	M19-M36
Design thinking for product and service design	UNIBIAL	UNIBG	Paolo Gaiardelli – University of Bergamo	M19-M36
Artificial intelligence tools for Industry 4.0 transformation	UNIBIAL	UNIBG	Valerio Pesenti – Intellimech Consortium	M19-M36
Cloud Manufacturing for modeling virtualised resources	UNIBIAL	UNIBG	Valerio Pesenti – Intellimech Consortium	M19-M36
Design Thinking using Scene2Model	OMILAB	UNIBG	Elena Legnani – Wittur	M1-M18
The Value of Conceptual Models	OMILAB	UNIBG	Elena Legnani – Wittur	M1-M18
Conceptual Modeling: Methods, Tools and Application	OMILAB	UNIBG	Elena Legnani – Wittur	M1-M18

Model-Driven	OMILAB	UNIBG	Elena Legnani – Wittur	M1-M18
Experimentation: from				
Design to Modelling to				
Evaluation				
Scientific and Educational	OMILAB	UNIBG	Elena Legnani – Wittur	M1-M18
Exploitation				
AI-Based Domain-Specific	OMILAB	UNIBG	Valerio Pesenti –	M19-M36
Assessment Service			Intellimech Consortium	
Process-oriented topic	UNIOULU	UNIBG	Valerio Pesenti –	M19-M36
Robotics application in			Intellimech Consortium	
Virtual Laboratory				

2.1 EMSE trainings

Internal Evaluation

WP and task:	WP 6 – T6.4
Training title:	Customers needs' services deployment
Main author/editor:	EMSE France
Evaluator:	UNIBG

Training format: (Online/Onsite)	On site
Training nature:	Applicative
(Theoretical/Applicative/Both	
)	
Training planned duration:	3 hours
Thematic(s):	Strategy-oriented topics: Customers needs' services
Thematic(s).	deployment
Target group(s):	Professionals of the same company
Summary and learning	The training allows the company's employees to create
objectives:	product-related service ideas and test them before
objectives.	implementing a deployment plan.

1/ Project objectives and requirements					
Question Answer		Comments	Recommendations		
Is the training	X Yes				
compliant with the	☐ No				
project	☐ Partially				
requirements?					
Is the training	X Yes				
compliant with the	☐ No				
WP objectives and	☐ Partially				
correctly dealing					

with the application							
form expectations?							
2/ Content of the training							
Question	Answer	Comments	Recommendations				
Is the chosen	X Yes	This is a workshop					
format of the	☐ No	where the					
training the most		participants have to					
appropriate notably		work in group to					
regarding the target		understand the					
group(s)?		need of their					
		customers					
Is the planned	X Yes						
duration of the	☐ No						
training the most							
appropriate?							
Does the training	☐ Yes						
content contain	.,.,						
materials (models	X No						
etc.) to be offered							
to participants in							
advance e.g. via							
web page							
Is (Are) the aimed	X Yes						
target group(s) of	☐ No						
the training well	☐ Partially						
concerned by the							
produced content?	.,,,						
Is (Are) the subject	X Yes						
matter(s)	☐ No						
appropriate	☐ Partially						
regarding Industry							
4.0 stakes and							
challenges? Is the training	X Yes						
sufficiently well	□ No						
realized to remain							
relevant in the long	☐ Partially						
run?							
Could the training	X Yes						
nature be qualified	□ No						
as innovative? (i.e.							
originality of the	☐ Partially						
approach, covered							
topic(s))							
Quality of the	X Good						
writing	☐ Bad						

	☐ Needed					
	changes					
3/ Conclusions	2/ Conclusions					
Question	Answer		Comments	Recommendations		
Main positive points of		l and	This is a workshop	Recommendations		
offered by the trainin	-	i aiiu	applying design			
onered by the training	Б		thinking to identify			
			the customer			
			needs, as a starting			
			point of the definition of the			
Main waskingsons of t	ماماد ا		service offering			
Main weaknesses of t	ne trainin	g				
Is the training ready	X Ye	. •				
to be shared and		No				
used? If no, please						
specify the						
necessary changes						
			A			
WP and task:		WP 6 - T6.				
Training title:		EMSE Fran	rvice System design			
Main author/editor:			ce			
Evaluator: UNIBG						
Training format: (Onl	ino/On	On site				
site)	ille/Oll-	On site				
Training nature:		Roth	Both			
_	ivo/Both	Botti				
(Theoretical/Applicat	live/ Both					
Training planned dur	ation:	12 hours				
Thematic(s):	ation.					
Thematic(s).			Strategy-oriented topics: Product-Service System Design			
Target group(s):			Vocational training: professional of system design			
			students (Industrial engineering and management) tand and apply a method for the design of product			
Cumamamy and laamain				a for the design of product		
-		service S	•	a use of a DCC modelling		
objectives:			•	e use of a PSS modelling		
		LOOIKIL (F	PS3M), dedicated to des	sign support		
1/ Project objectives	and requi	irements				
Question	Answer	Ciricito	Comments	Recommendations		
Is the training	X Ye	ς	Comments			
compliant with the						
compliant with the	☐ No					

project	☐ Partially		
requirements?	·		
Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the tra	ining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	There is both theory	
format of the	☐ No	on PSS and PSS	
training the most		design with case	
appropriate notably		study and a case	
regarding the target		study to develop	
group(s)?		using the explained	
		methodology	
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	_ ,		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long	,		
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			

approach, covered						
topic(s))						
Quality of the	X Good					
writing	□ Bad					
. 0						
		Needed				
		changes				
3/ Conclusions						
Question	Answer		Comments	Recommendations		
Main positive points of	developed	d and	It combines theory			
offered by the trainin	g		and practice and			
•			provide a good			
			introduction to PSS			
			concept and PSS			
			design methodology			
Main weaknesses of t	he trainir	າσ	acoign methodology			
Weakinesses of t	ine trainin	'6				
Ta tha thairin a na ada.	V V-					
Is the training ready	X Ye	. •				
to be shared and		No				
used? If no, please						
specify the						
necessary changes						
was a direct	1	WD C TC				
WP and task:		WP 6 – T6.				
I raining title:			ation of Industrial Busin	less Model through		
			on and servitization			
Main author/editor:		EMSE Fran	ce			
Evaluator:		UNIBG				
Training format: (Onl	ine/On-	On site				
site)						
Training nature:		Both	Both			
(Theoretical/Applicat	ive/Both					
)						
Training planned dur	ation:	1,5h (lec	1,5h (lecture) + 6h (case study)			
=1 .: / >		Product-	service systems & servi	tization: consequences on		
I nematicisi:			es' business model and	•		
			or professionals	·		
Summary and learning	ıg	Understa	and the consequences of	of PSS & servitization on		
objectives:			es' business model and			
<u> </u>			<u>-</u>	•		
1/ Project objectives	and requ	irements				
Question	Answer		Comments	Recommendations		
Is the training	X Ye		2000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
compliant with the	No.					

project	☐ Partially		
requirements?	•		
Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the trai	ining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	There is both	
format of the	☐ No	theory on PSS	
training the most		business model and	
appropriate notably		a case study to	
regarding the target		apply in practice	
group(s)?		what has been	
		explained	
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	,		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			

approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	developed and	It combines theory	
offered by the training	g	and practice and	
		provide a good	
		introduction to PSS	
		business model	
Main weaknesses of t	he training	Some more details	If possible, add some
		on case study	more detail of the case
		should be provided	study in the introduction
		in the introduction	
Is the training ready	X Yes		If possible, add some
to be shared and	☐ No		more detail of the case
used? If no, please			study in the introduction
specify the			
necessary changes			

WP and task:	WP 6 – T6.4	
Training title:	Introduction to the concept of PSS and to the dedicated	
Training title:	PS3M modelling method	
Main author/editor:	EMSE France	
Evaluator:	UNIBG	

Training format: (Online/Onsite)	On site		
Training nature: (Theoretical/Applicative/Both	Both		
)			
Training planned duration:	3 h		
Thematic(s):	Introduction to the concept of PSS and to the dedicated PS3M modelling method		
Target group(s):	PhD Students, (NEMO Summer School)		
Summary and learning objectives:	Understand the concept of Product System Service, and how the usual product design method and practices have to change. Discover and experiment a PSS dedicated modelling tool (PS3M) and design method		

1/ Project objectives and requirements

Is the training Y Vec	
Is the training X Yes	_
compliant with the No	
project	
requirements?	
Is the training X Yes	
compliant with the No	
WP objectives and Partially	
correctly dealing	
with the application	
form expectations?	
2/ Content of the training	
Question Answer Recommendation	s
Is the chosen X Yes	
format of the No	
training the most	
appropriate notably	
regarding the target	
group(s)?	
Is the planned X Yes	
duration of the No	
training the most	
appropriate?	
Does the training X Yes	
content contain No	
materials (models	
etc.) to be offered	
to participants in	
advance e.g. via	
web page	
Is (Are) the aimed X Yes	
target group(s) of No	
the training well Partially	
concerned by the	
produced content?	
Is (Are) the subject X Yes	
matter(s) No	
appropriate Partially	
regarding Industry	
4.0 stakes and	
challenges?	
Is the training X Yes	
sufficiently well No	
realized to remain	
relevant in the long	
run?	
Could the training X Yes	-
nature be qualified No	

as innovative? (i.e.		Partia	illy			
originality of the			,			
approach, covered						
topic(s))						
Quality of the	X G	ood				
writing		Bad				
Witting						
		Need				
		chang	ges			
3/ Conclusions						
Question	Answer			Comments	Recommendations	
Main positive points of	develope	d and		There is both theory		
offered by the training	g			on PSS design with a		
				case study based on		
				the methodology		
				proposed and the		
				adoxx platform		
Main weaknesses of t	he trainii	าฮ				
Wall Weakinesses of e		'δ				
Is the training ready	X Yes					
to be shared and		No				
used? If no, please		110				
specify the						
necessary changes						
ricecssary chariges						
WP and task:		WP 6	5 – T6.	4		
Training title:		Circu	ılar Eco	onomy and Product-Ser	vice System	
Main author/editor:		EMS	E Franc	ce		
Evaluator:		UNIE	3G			
		-				
Training format: (Onl	ine/On-s	ite)	On si	te		
Training nature:		,	Both			
(Theoretical/Applicat	ivo/Both	,	וווטט			
		'/	7 h			
Training planned dura	ation:		7 h			
Thematic(s):			Circular Economy and Product-Service System			
			aster Students			
Summary and learning objectives:		To make students familiar with sustainable solution				
pro		provi	ding			
1/ Project objectives	and requ	ireme	ents			
Question	Answer	•		Comments	Recommendations	
Is the training	ΧYe	es				
compliant with the		No				
project			ally.			
requirements?		Partia	ally			
				<u> </u>		

Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the trai	ining		
Question	Answer		Recommendations
Is the chosen	X Yes	It is addressed to	
format of the	☐ No	students who are	
training the most		not familiar with	
appropriate notably		PSS and circular	
regarding the target		economy concepts	
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain	V NI -		
materials (models	X No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?	V V		
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain			
relevant in the long	☐ Partially		
run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	☐ Partially		
originality of the	raitially		
approach, covered			
topic(s))			

Quality of the writing	X Good Bad Needed changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points developed and offered by the training		Introduction to circular economy and PSS	
Main weaknesses of the training		Few materials for 7 hours of training and the project assignment is missing	Add the project assignment
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes □ No		Add the project assignment

WP and task:	WP 6 – T6.4
Training title:	Deployment of Service-oriented Strategy
Main author/editor:	EMSE France
Evaluator:	UNIBG

Training format: (Online/Onsite)	On site
Training nature:	Applicative
(Theoretical/Applicative/Both	
)	
Training planned duration:	2 days (4 half-day courses during 2 month)
Thomatic/s):	Interactive training with small and medium size industrial
Thematic(s):	companies, to initiate a service-oriented strategy.
	Vocational training: one company. SMI companies with, a
Target group(s):	first contact with service activities, and an ambition to
	further develop service-oriented strategies
	The objective is to bring various complementary
	competencies of the company, to work collaboratively on
Summary and learning	both strategic diagnosis and perspective development, so
objectives:	as to identify key strategical factors and
	incentive/resistance for service development, and key
	opportunities for initiating the transition.

1/ Project objectives and requirements				
Question	Answer	Comments	Recommendations	

Is the training	X Yes		
compliant with the	☐ No		
project	☐ Partially		
requirements?	•		
Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the trai		T	
Question	Answer		Recommendations
Is the chosen	X Yes	Focused on a single	
format of the	☐ No	company (PMI) to	
training the most		help to understand	
appropriate notably		how to change	
regarding the target		business model	
group(s)?		towards	
		servitization	
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain	X No		
materials (models	X 110		
etc.) to be offered			
to participants in			
advance e.g. via			
web page Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate			
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain			
relevant in the long	☐ Partially		
run?			
Could the training	X Yes		
nature be qualified	☐ No		

as innovative? (i.e.		Partially			
originality of the					
approach, covered					
topic(s))					
Quality of the	X Go				
writing		Bad			
		Needed			
		changes			
3/ Conclusions					
Question	Answer		Comments	Recommendations	
Main positive points of		l and	Workshop	The comment of the control of the co	
offered by the training	•	a unu	addressed to a		
one of the training	5		single company		
			with the objective		
			to understand how		
			to move towards a		
			PSS business model,		
			also showing the		
			path.		
Main weaknesses of t	he trainir	ıg			
Is the training ready	X Ye	!S			
to be shared and		No			
used? If no, please					
specify the					
necessary changes					
WP and task:		WP 6 – T6.4	4		
Training title:			nking for Product-Servi	ce System Design	
Main author/editor:		EMSE Franc		,	
Evaluator:		UNIBG			
Training format: (Onl	ine/On-	On site	On site		
site)					
Training nature:		Both			
(Theoretical/Applicat	ive/Both				
)					
Training planned dura	ation:	14 hours	(30% lecture, 70% pro	ject)	
Thematic(s):		Design Tl	hinking for Product-Ser	vice System Design	
Target group(s):	_	Master S			
rarget group(s).		Professio			
Summary and learnin	σ			Service System (PSS) using	
	ъ	_	hinking method and to		
ODIACTIVAS:		Design Thinking (Basics)			

•	Industrial PSS Case
•	Design Thinking for PSS (OMILAB)

1/ Project objectives	and requirements		
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the	☐ No		
project	☐ Partially		
requirements?			
Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing	rancian,		
with the application			
form expectations?			
2/ Content of the tra	ining		
Question	Answer		Recommendations
Is the chosen	X Yes	Provide the basics to	
format of the	☐ No	design thinking and	
training the most		apply it to a case	
appropriate notably		study	
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most	_		
appropriate?			
Does the training	☐ Yes		
content contain			
materials (models	X No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain			

relevant in the long run?	☐ Partially		
Could the training	X Yes		
nature be qualified	□No		
as innovative? (i.e.	☐ Partially		
originality of the	Faitially		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points		Application of	Recommendations
offered by the trainin	•	Scene2Model to	
onered by the trainin	Б	ideate PSS using	
		design thinking.	
		Good combination	
		Good combination between theory and	
Main weaknesses of t	he training	Good combination between theory and practice	Add the schedule of the
Main weaknesses of t	he training	Good combination between theory and	Add the schedule of the training
Main weaknesses of t	the training	Good combination between theory and practice There is not the schedule of the	Add the schedule of the training
Main weaknesses of t	the training	Good combination between theory and practice There is not the schedule of the training in the slide,	
Main weaknesses of t	he training	Good combination between theory and practice There is not the schedule of the training in the slide, it could be helpful to	
Main weaknesses of t	the training	Good combination between theory and practice There is not the schedule of the training in the slide, it could be helpful to understand the	
Main weaknesses of t	the training	Good combination between theory and practice There is not the schedule of the training in the slide, it could be helpful to understand the balance between	
Main weaknesses of t	the training	Good combination between theory and practice There is not the schedule of the training in the slide, it could be helpful to understand the	
		Good combination between theory and practice There is not the schedule of the training in the slide, it could be helpful to understand the balance between	training
Is the training ready	X Yes	Good combination between theory and practice There is not the schedule of the training in the slide, it could be helpful to understand the balance between	training Material is fine, please,
Is the training ready to be shared and	X Yes	Good combination between theory and practice There is not the schedule of the training in the slide, it could be helpful to understand the balance between	training Material is fine, please, add the schedule of the
Is the training ready to be shared and used? If no, please	X Yes	Good combination between theory and practice There is not the schedule of the training in the slide, it could be helpful to understand the balance between	training Material is fine, please, add the schedule of the

External Evaluation

WP and task:	WP 6 – T6.4	
Training title:	Customers needs' services deployment	
Main author/editor	EMSE France	
(Institution, Person):	EMSE France	
Evaluator (Institution, Person):	Prof. Paolo Gaiardelli – University of Bergamo	

Training format: (Online/On-	On site
site)	

Training nature: (Theoretical/Applicative/Both)	Applicative
Training planned duration:	3 hours
Thematic(s):	Strategy-oriented topics: Customers needs' services deployment
Target group(s):	Professionals of the same company
Summary and learning objectives:	The training allows the company's employees to create product-related service ideas and test them before implementing a deployment plan.

1/ Content of the trai	ning		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	The course is	
format of the	☐ No	structured as a	
training the most		workshop in which	
appropriate notably		through interaction	
regarding the target		in groups and with	
group(s)?		the help of the	
		teacher	
		participants learn	
		how to identify	
		their clients' needs	
		in order to support	
		them in identifying	
		new ideas.	
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain	X No		
materials (models	X NO		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			

Is the training	X Yes	5			
sufficiently well	□ N	No			
realized to remain	☐ F	Partially			
relevant in the long		•			
run?					
Could the training	X Yes	5			
nature be qualified		No			
as innovative? (i.e.	☐ F	Partially			
originality of the					
approach, covered					
topic(s))					
Quality of the	□ >	(Good		There are some French	
writing		Bad		Typo in the text	
	X Ne	eded			
	chan	ges			
2/ Conclusions					
Question	Answer		Comments	Recommendations	
Main positive points of	•	and	the interactive		
offered by the trainin	g		workshop based on		
			Design Thinking		
			and Business Model		
			Canvas approaches		
			is always useful to		
			foster learning and		
			discussion		
Main weaknesses of t	the training	3			
Is the training ready	Y	'es		There are some French	
to be shared and				Typo in the text	
used? If no, please	X No				
specify the					
necessary changes					
WP and task:	,	WP 6 – T6.	4		
Training title:		Product-Se	-Service System design		
Main author/editor		EN 40E E			
(Institution, Person):		EMSE Fran	Le		
Evaluator (Institution,		Prof. Paolo	Prof. Paolo Gaiardelli – University of Bergamo		
Person):					
Turking former 10	:	0			
Training format: (Onl	ine/Un-	On site			
site)					

Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	12 hours
Thematic(s):	Strategy-oriented topics: Product-Service System Design
Toward anounds)	Vocational training: professional of system design
Target group(s):	Master students (Industrial engineering and management)
	Understand and apply a method for the design of product
Summary and learning	service Systems
objectives:	Acquire operational skills on the use of a PSS modelling
	toolkit (PS3M), dedicated to design support

1/ Content of the trai	ning		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	Theory, practice,	
format of the	☐ No	and examples are	
training the most		well balanced.	
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the	_ ,		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	,		
4.0 stakes and			
challenges?			
Is the training	X Yes	Examples are well	
sufficiently well	☐ No	described and	
realized to remain	☐ Partially	useful to	
relevant in the long	,	understand the	
run?		concepts and for	

		sure they will	
		remain.	
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the	,		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
L/ Concidencies			
Question	Answer	Comments	Recommendations
	1 1110 111 01	Comments The good balance	Recommendations
Question	leveloped and		Recommendations
Question Main positive points of	leveloped and	The good balance	Recommendations
Question Main positive points of	developed and	The good balance between theory	Recommendations
Question Main positive points offered by the training	developed and	The good balance between theory and practice A lot of new concept, it could be	Recommendations
Question Main positive points offered by the training	developed and	The good balance between theory and practice A lot of new	Recommendations
Question Main positive points offered by the training	developed and	The good balance between theory and practice A lot of new concept, it could be difficult for newer to capture all the	Recommendations
Question Main positive points offered by the training	developed and	The good balance between theory and practice A lot of new concept, it could be difficult for newer	Recommendations
Question Main positive points of offered by the training Main weaknesses of the straining ready	developed and	The good balance between theory and practice A lot of new concept, it could be difficult for newer to capture all the	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard st	developed and g	The good balance between theory and practice A lot of new concept, it could be difficult for newer to capture all the	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the shared and used? If no, please	developed and g he training	The good balance between theory and practice A lot of new concept, it could be difficult for newer to capture all the	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard st	developed and g he training	The good balance between theory and practice A lot of new concept, it could be difficult for newer to capture all the	Recommendations

WP and task:	WP 6 – T6.4		
Training title:	Transformation of Industrial Business Model through		
Training title.	digitalization and servitization		
Main author/editor	EMSE France		
(Institution, Person):	EIVISE FIGILLE		
Evaluator (Institution,	Prof. Paolo Gaiardelli – University of Bergamo		
Person):			

Training format: (Online/On-	On site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	1,5h (lecture) + 6h (case study)
Thematic(s):	Product-service systems & servitization: consequences on
	companies' business model and financial performance

Target group(s):	Students or professionals	
Summary and learning	Understand the consequences of PSS & servitization on	
objectives:	companies' business model and financial performance	

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes	The case study is	
content contain	☐ No	not accessible to	
materials (models		the students from	
etc.) to be offered		the link.	
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the	-		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?	V V		
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))	X Good		
Quality of the			
writing	☐ Bad		

	☐ Needed changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points developed and offered by the training		Theory and case study are used to explain the servitization concept at both theoretical and practical levels.	
Main weaknesses of the training		The case study is not accessible, so it is not easy to understand the main contents and possible lesson learned	
Is the training ready to be shared and used? If no, please specify the necessary changes	☐ Yes X No		Few additional inputs on the case are requested

WP and task:	WP 6 – T6.4		
Training title:	Introduction to the concept of PSS and to the dedicated PS3M modelling method		
Main author/editor (Institution, Person):	EMSE France		
Evaluator (Institution, Person):	Prof. Paolo Gaiardelli – University of Bergamo		

Training format: (Online/Onsite)	On site	
Training nature: (Theoretical/Applicative/Both	Both	
)		
Training planned duration:	3 h	
Thematic(s):	Introduction to the concept of PSS and to the dedicated PS3M modelling method	
Target group(s):	PhD Students, (NEMO Summer School)	
Summary and learning objectives:	Understand the concept of Product System Service, and how the usual product design method and practices have to change. Discover and experiment a PSS dedicated modelling tool (PS3M) and design method	

1/ Content of the training			
Question	Answer		Recommendations
Is the chosen	X Yes	Exercise are really	
format of the	☐ No	interesting	
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes	Maybe additional	
duration of the	☐ No	time can be useful	
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?	V Vaa		
Is the training	X Yes		
sufficiently well	□ No		
realized to remain	☐ Partially		
relevant in the long run?			
Could the training	X Yes		
nature be qualified			
as innovative? (i.e.	□ No		
originality of the	☐ Partially		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
- 5	□ Needed		
	changes		

2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points developed and offered by the training		Exercises are useful to support the acquisition of the competences.	
Main weaknesses of the training			
Is the training ready to be shared	X Yes		
and used? If no,	∐ No		
please specify the			
necessary changes			

WP and task:	WP 6 – T6.4		
Training title:	Circular Economy and Product-Service System		
Main author/editor	ENGE France		
(Institution, Person):	EMSE France		
Evaluator (Institution,	Prof. Paolo Gaiardelli – University of Bergamo		
Person):			
Date of evaluation:			

Training format: (Online/On-	On site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	7 h
Thematic(s):	Circular Economy and Product-Service System
Target group(s):	Master Students
Summary and learning	To make students familiar with sustainable solution
objectives:	providing

1/ Content of the training			
Question	Answer		Recommendations
Is the chosen	X Yes	Good balance	
format of the	☐ No	between theory	
training the most		and examples.	
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the			

training the most	☐ No		
appropriate?	_		
Does the training	☐ Yes		
content contain	X No		
materials (models	A NO		
etc.) to be offered			
to participants in			
advance e.g. via			
web page	.,,,		
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?	V Vaa		
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain			
relevant in the long	☐ Partially		
run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	☐ Partially		
originality of the	randany		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions		Comments	
Question			Recommendations
Main positive points	•	There are examples	
offered by the training	ng	that help	
		understand the	
		concepts	
Main weaknesses of	tne training	Please provide	
		more insights on	
		what students	
		must do with the	
İ		cases	i

Is the training	X Yes	Add more instructions on
ready to be shared	☐ No	what to do with the cases
and used? If no,		
please specify the		
necessary changes		

WP and task:	WP 6 – T6.4	
Training title:	Deployment of Service-oriented Strategy	
Main author/editor	ENACE France	
(Institution, Person):	EMSE France	
Evaluator (Institution,	Prof. Paolo Gaiardelli – University of Bergamo	
Person):		

Training format: (Online/Onsite)	On site	
Training nature:	Applicative	
(Theoretical/Applicative/Both)		
Training planned duration:	2 days (4 half-day courses during 2 month)	
Thematic(s):	Interactive training with small and medium size industrial	
mematic(s).	companies, to initiate a service-oriented strategy.	
	Vocational training: one company. SMI companies with, a	
Target group(s):	first contact with service activities, and an ambition to	
	further develop service-oriented strategies	
	The objective is to bring various complementary	
	competencies of the company, to work collaboratively on	
Summary and learning	both strategic diagnosis and perspective development, so	
objectives:	as to identify key strategical factors and	
	incentive/resistance for service development, and key	
	opportunities for initiating the transition.	

1/ Content of the training			
Question	Answer		Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			

Does the training	□ Vee		
content contain	☐ Yes		
	X No		
materials (models	XIVO		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the	,		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain			
relevant in the long	☐ Partially		
run?			
Could the training	X Yes		
_			
nature be qualified	□ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
	Ŭ.		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	developed and	The workshop	
offered by the trainir	ıg	approach is the	
		best one to train a	
		single company.	
Main weaknesses of	the training		
Is the training	X Yes		
ready to be shared	□ No		
and used? If no,			
please specify the			
necessary changes			
LICCOSSAL V CHALLECS	•		1

WP and task:	WP 6 – T6.4	
Training title:	Design Thinking for Product-Service System Design	
Main author/editor	ENACE France	
(Institution, Person):	EMSE France	
Evaluator (Institution,	Prof. Paolo Gaiardelli – University of Bergamo	
Person):		

Training format: (Online/Onsite)	On site	
Training nature: (Theoretical/Applicative/Both)	Both	
Training planned duration:	14 hours (30% lecture, 70% project)	
Thematic(s):	Design Thinking for Product-Service System Design	
Target group(s):	Master Students Professionals	
Summary and learning objectives:	Defining a sustainable Product-Service System (PSS) using Design Thinking method and tool (OMILAB) Design Thinking (Basics) Industrial PSS Case Design Thinking for PSS (OMILAB)	

1/ Content of the training			
Question	Answer		Recommendations
Is the chosen	X Yes	Applying Design	
format of the	☐ No	thinking by use of	
training the most		the Omilab tools.	
appropriate		Good balance	
notably regarding		between theory and	
the target		practice	
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain	V 81		
materials (models	X No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		

concerned by the			
produced content?	V Voc		
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	No No		
realized to remain			
relevant in the long	☐ Partially		
run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	☐ Partially		
originality of the	randany		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	developed and	The project	
offered by the trainir	ng	application is useful	
		to support the	
		learning	
Main weaknesses of the training		The explanation of	
		the Scene2Model is	
		too short	
Is the training	☐ Yes		Additional details on the
ready to be shared	X No		use of Scene2Model can
and used? If no,			be added to let the
please specify the			student use to tool
necessary changes			autonomously

2.2 OMILAB NPO trainings

Internal Evaluation

WP and task:	WP 6 – T6.4
Training title:	Scientific/Research Foundations of Conceptual Modelling

Main author/editor:		DMILAB NPO (Germany)				
Evaluator:		JNIBG				
Training format: (Online/On-		On site				
site)						
Training nature:		Theoretic	cal			
(Theoretical/Applicat	ive/Both)					
Training planned dura	ation:	1 hours	1 hours			
Thematic(s):		Foundati	Foundations of Conceptual Modelling			
Target group(s):		Research	Researchers, Master/PhD students			
Summary and learnin	g	Introduct	ion to the scientific	foundation of conceptual		
objectives:		modelling	g			
1/ Project objectives	and requir	ements				
Question	Answer		Comments	Recommendations		
Is the training	X Yes	<u> </u>				
compliant with the		lo				
project	□ P	artially				
requirements?						
Is the training	X Yes	;				
compliant with the	□ No					
WP objectives and	☐ Partially					
correctly dealing						
with the application						
form expectations?						
2/ Content of the trai	2/ Content of the training					
Question	Answer		Comments	Recommendations		
Is the chosen format	X Yes					
of the training the		10				
most appropriate						
notably regarding						
the target group(s)?						
Is the planned	X Yes					
duration of the		10				
training the most						
appropriate?		'os				
Does the training content contain	☐ Yes					
	X No					
materials (models	7.110					
etc.) to be offered						
to participants in						
advance e.g. via web						
page	V V -					
Is (Are) the aimed	X Yes					
target group(s) of		No No matically s				
the training well	☐ Partially					

concerned by the			
produced content?	V.V.		
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?	V V		
Is the training	X Yes		
sufficiently well	□ No		
realized to remain	☐ Partially		
relevant in the long			
run?	VV		
Could the training	X Yes □ No		
nature be qualified	_		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered topic(s))			
Quality of the	X Good		
writing	□ Bad		
WITHING	□ Needed		
	changes		
i			
3/ Conclusions			
3/ Conclusions Question	Answer	Comments	Recommendations
-		Comments Provide a	Recommendations
Question	leveloped and		Recommendations
Question Main positive points of	leveloped and	Provide a	Recommendations
Question Main positive points of	leveloped and	Provide a theoretical	Recommendations
Question Main positive points of	leveloped and	Provide a theoretical overview of	Recommendations
Question Main positive points of	leveloped and	Provide a theoretical overview of conceptual	Recommendations
Question Main positive points offered by the training	leveloped and	Provide a theoretical overview of conceptual	Recommendations
Question Main positive points offered by the training	leveloped and	Provide a theoretical overview of conceptual	Recommendations
Question Main positive points offered by the training	leveloped and	Provide a theoretical overview of conceptual	Recommendations
Question Main positive points of offered by the training Main weaknesses of the state of the training ready to be shared and	leveloped and	Provide a theoretical overview of conceptual	Recommendations
Question Main positive points of offered by the training Main weaknesses of the straining ready	he training X Yes	Provide a theoretical overview of conceptual	Recommendations
Question Main positive points of offered by the training Main weaknesses of the state of the training ready to be shared and	he training X Yes	Provide a theoretical overview of conceptual	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the training ready to be shared and used? If no, please	he training X Yes	Provide a theoretical overview of conceptual	Recommendations

WP and task:	WP 6 – T6.4	
Training title:	The OMILAB Ecosystem: Characteristics and Application	
Training title:	Cases	
Main author/editor:	OMILAB NPO (Germany)	
Evaluator:	UNIBG	

Training format: (Online/On-	On site
site)	
Training nature:	Theoretical
(Theoretical/Applicative/Both)	
Training planned duration:	1 hours
Thematic(s):	OMILAB presentation
Target group(s):	Any interested party
Summary and learning objectives:	The training introduces OMILAB, its characteristics and application cases using a scenario-based approach. The training objective is to provide the foundation to other modules using OMILAB infrastructure and cases as an innovative training facility.

1/ Project objectives and requirements					
Question	Answer	Comments	Recommendations		
Is the training	X Yes				
compliant with the	□ No				
project	☐ Partially				
requirements?					
Is the training	X Yes				
compliant with the	□ No				
WP objectives and	☐ Partially				
correctly dealing					
with the application					
form expectations?					
2/ Content of the trai	ning				
Question	Answer	Comments	Recommendations		
Is the chosen	X Yes				
format of the	□ No				
training the most					
appropriate notably					
regarding the target					
group(s)?					
Is the planned	X Yes				
duration of the	□ No				
training the most					
appropriate?					
Does the training	☐ Yes				
content contain	X No				
materials (models	A INO				
etc.) to be offered					
to participants in					
advance e.g. via					
web page					
Is (Are) the aimed	X Yes				
target group(s) of	□ No				
the training well	☐ Partially				

concerned by the				
produced content?				
Is (Are) the subject	ΧYe			
matter(s)	□ No			
appropriate	□ Partially			
regarding Industry	•			
4.0 stakes and				
challenges?				
Is the training	ΧYe	es		
sufficiently well		No		
realized to remain		Partially		
relevant in the long	_	,,		
run?				
Could the training	ΧYe	es		
nature be qualified		No		
as innovative? (i.e.		Partially		
originality of the		1 arcially		
approach, covered				
topic(s))				
Quality of the	ХG	ood		
writing		Bad		
J		Needed		
	_			
changes				
3/ Conclusions				
3/ Conclusions Question	Answer		Comments	Recommendations
			Comments Provide an	Recommendations
Question	levelope			Recommendations
Question Main positive points of	levelope		Provide an	Recommendations
Question Main positive points of	levelope		Provide an introduction to	Recommendations
Question Main positive points of	develope	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points offered by the training	develope	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points offered by the training	develope	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points offered by the training	develope	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points of offered by the training Main weaknesses of t	developed g he trainin	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard ready to be shared and	developed g he trainin	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the shared and used? If no, please	developed g he trainin	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the training ready to be shared and used? If no, please specify the	developed g he trainin	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the shared and used? If no, please	developed g he trainin	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the training ready to be shared and used? If no, please specify the	developed g he trainin	d and	Provide an introduction to OMILAB and its	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the shared and used? If no, please specify the	developed g he trainin	d and	Provide an introduction to OMILAB and its possible application	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the training ready to be shared and used? If no, please specify the necessary changes	developed g he trainin	ng es No WP 6 – T6.4	Provide an introduction to OMILAB and its possible application	Recommendations ng Languages using Bee-Up
Question Main positive points of offered by the training of the training ready to be shared and used? If no, please specify the necessary changes WP and task:	developed g he trainin	es No WP 6 – T6.4 Fundament	Provide an introduction to OMILAB and its possible application	
Question Main positive points of offered by the training offered by the training of the training of the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title:	developed g he trainin	es No WP 6 – T6.4 Fundament	Provide an introduction to OMILAB and its possible application	
Question Main positive points of offered by the training offered by the training offered by the training of the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor:	developed g he trainin	omes WP 6 – T6.4 Fundament OMILAB NF	Provide an introduction to OMILAB and its possible application	

Training nature:	Both
(Theoretical/Applicative/Both)	
Training planned duration:	3 hours
Thematic(s):	Conceptual Modelling Languages using Bee-Up
Target group(s):	Engineering students and domain experts
Summary and learning objectives:	The training introduces fundamental conceptual modelling languages and the aspect of model value. The modelling languages are introduced and exemplified.

1/ Project objectives	and requirements		
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the	□ No		
project	□ Partially		
requirements?			
Is the training	X Yes		
compliant with the	□ No		
WP objectives and	□ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the trai	ning		
Question	Answer	Comments	Recommendations
Is the chosen format	X Yes		
of the training the	□ No		
most appropriate			
notably regarding			
the target group(s)?			
Is the planned	☐ Yes	3 hours is not	Increase duration
duration of the	X No	enough to solve all	
training the most	A INO	the exercises if the	
appropriate?		modeling language	
		and the software is	
		not known	
Does the training	X Yes	There are some	
content contain	□ No	exercises to solve	
materials (models		during the training	
etc.) to be offered			
to participants in			
advance e.g. via web			
page			
Is (Are) the aimed	X Yes		
target group(s) of	□ No □		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)			

appropriate		No				
regarding Industry		Partially				
4.0 stakes and						
challenges? Is the training	X Ye	00				
sufficiently well	X 10	es No				
realized to remain		Partially				
relevant in the long	ш	Faitially				
run?						
Could the training	ΧY	es				
nature be qualified		No				
as innovative? (i.e.		Partially				
originality of the		,				
approach, covered						
topic(s))						
Quality of the	X G	ood				
writing		Bad				
		Needed				
		changes				
3/ Conclusions						
Question	Answer		Comments	Recommendations		
Main positive points d	eveloped	d and	Provide an			
offered by the training		overview of the				
oncrea by the training	•		overview of the			
onered by the training	•		different modeling			
offered by the training	•		different modeling languages			
offered by the training	•		different modeling			
officied by the training	•		different modeling languages supported by BEE- up			
			different modeling languages supported by BEE- up Provide exercises			
Main weaknesses of th		ng	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are			
		ng	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to			
		ng	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the			
Main weaknesses of th	ne trainir		different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to			
Main weaknesses of the	ne trainir X Ye	es	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the			
Main weaknesses of the Is the training ready to be shared and	ne trainir X Ye		different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the			
Main weaknesses of the Is the training ready to be shared and used? If no, please	ne trainir X Ye	es	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the			
Is the training ready to be shared and used? If no, please specify the	ne trainir X Ye	es	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the			
Main weaknesses of the Is the training ready to be shared and used? If no, please	ne trainir X Ye	es	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the			
Is the training ready to be shared and used? If no, please specify the	ne trainir X Ye	es	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the			
Is the training ready to be shared and used? If no, please specify the	ne trainir X Ye	es	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the exercises			
Is the training ready to be shared and used? If no, please specify the necessary changes	ne trainir X Ye	es No WP 6 – T6.4	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the exercises	lel		
Is the training ready to be shared and used? If no, please specify the necessary changes	ne trainir X Ye	es No WP 6 – T6.4 Design Thin OMILAB NP	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the exercises	lel		
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title:	ne trainir X Ye	es No WP 6 – T6.4 Design Thin	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the exercises	lel		
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor:	x Ye	WP 6 – T6.4 Design Thin OMILAB NP UNIBG	different modeling languages supported by BEE-up Provide exercises Maybe 3 hours are not enough to complete all the exercises	lel		

Training nature:	Both
(Theoretical/Applicative/Both)	
Training planned duration:	3 hours
Thematic(s):	Design Thinking using Scene2Model
Target group(s):	Multidisciplinary teams within research and academia, industrial domain experts from different fields
Summary and learning objectives:	The training introduces the selected design thinking method "SAP Scenes" as a storytelling approach for digital innovation and tool support using Scene2Model

1/ Project objectives	and requirements		
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the	□ No		
project	□ Partially		
requirements?			
Is the training	X Yes		
compliant with the	□ No		
WP objectives and	□ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the train	ining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	□ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	□ No		
training the most			
appropriate?			
Does the training	X Yes	There is one	
content contain	□ No	exercise to solve	
materials (models		during the training	
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	□ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)			

appropriate		No		
regarding Industry	□ F	Partially		
4.0 stakes and				
challenges?	V V -			
Is the training	X Yes			
sufficiently well		No		
realized to remain	□ F	Partially		
relevant in the long				
run?				
Could the training	X Yes			
nature be qualified		No		
as innovative? (i.e.	□ F	Partially		
originality of the				
approach, covered				
topic(s))				
Quality of the	X Go			
writing		Bad		
	□ 1	Needed		
	C	changes		
3/ Conclusions				
Question	Answer		Comments	Recommendations
Main positive points of	leveloped	and	Provide an overview	
offered by the trainin	g		of design thinking	
	0			
· · · · · · · · · · · · · · · · · · ·			and an application	
			and an application using scene2model	
Main weaknesses of t		g		
·		g		
·		g		
·		_		
Main weaknesses of t	he trainin	_		
Main weaknesses of t	he trainin	5		
Main weaknesses of to	he trainin	5		
Main weaknesses of to list the training ready to be shared and used? If no, please	he trainin	5		
Is the training ready to be shared and used? If no, please specify the	he trainin	5		
Is the training ready to be shared and used? If no, please specify the	he trainin	5	using scene2model	
Is the training ready to be shared and used? If no, please specify the necessary changes	he training	S No WP 6 – T6.	using scene2model	
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task:	he trainin	S No WP 6 – T6. The Value (using scene2model	
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title:	he trainin	S No WP 6 – T6. The Value (using scene2model 4 of Conceptual Models	
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor:	he trainin	WP 6 – T6. The Value o	using scene2model 4 of Conceptual Models	
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor: Evaluator:	he trainin	WP 6 – T6. The Value o	using scene2model 4 of Conceptual Models	
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor: Evaluator: Training format: (Onl site)	he trainin	WP 6 – T6. The Value of OMILAB NI UNIBG On site	using scene2model 4 of Conceptual Models PO (Germany)	
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor: Evaluator: Training format: (Onl site) Training nature:	he training X Yes	WP 6 – T6. The Value of OMILAB NI UNIBG On site Theoreti	using scene2model 4 of Conceptual Models PO (Germany)	
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor: Evaluator: Training format: (Onl site) Training nature: (Theoretical/Applicate)	he training X Yes □ N ine/On-	WP 6 – T6. The Value of OMILAB NI UNIBG On site Theoreti	using scene2model 4 of Conceptual Models PO (Germany)	
Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor: Evaluator: Training format: (Onl site) Training nature:	he training X Yes □ N ine/On-	WP 6 – T6. The Value of OMILAB NI UNIBG On site Theoreti 1 hours	using scene2model 4 of Conceptual Models PO (Germany)	

Target group(s):	Any interested party
Summary and learning	Introduce the value of conceptual modelling and purpose
objectives:	in an academic/research as well industrial context

1/ Project objectives and requirements				
Question	Answer	Comments	Recommendations	
Is the training	X Yes			
compliant with the	□ No			
project	☐ Partially			
requirements?				
Is the training	X Yes			
compliant with the	□ No			
WP objectives and	☐ Partially			
correctly dealing				
with the application				
form expectations?				
2/ Content of the trai	ning			
Question	Answer	Comments	Recommendations	
Is the chosen format	X Yes			
of the training the	□ No			
most appropriate				
notably regarding				
the target group(s)?				
Is the planned	X Yes			
duration of the	□ No			
training the most				
appropriate?				
Does the training	☐ Yes			
content contain	V NI -			
materials (models	X No			
etc.) to be offered				
to participants in				
advance e.g. via web				
page				
Is (Are) the aimed	X Yes			
target group(s) of	□ No			
the training well	☐ Partially			
concerned by the				
produced content?				
Is (Are) the subject	X Yes			
matter(s)	□ No			
appropriate	☐ Partially			
regarding Industry				
4.0 stakes and				
challenges?				
Is the training	X Yes			
sufficiently well	□ No			
realized to remain				

Target group(s):

objectives:

Summary and learning

and account to the effection		Daniel allin			
relevant in the long run?		Partially			
Could the training	ΧYe) C			
nature be qualified		No.			
as innovative? (i.e.		Partially			
originality of the		raitially			
approach, covered					
topic(s))					
Quality of the	X G				
writing		Bad			
Willing		Needed			
		changes			
3/ Conclusions					
Question	Answer		Comments	Recommendations	
Main positive points of	developed	l and	Provide an		
offered by the training	g		overview of		
			conceptual model		
			trough examples		
Main weaknesses of t	he trainin	g			
Is the training ready	X Ye	-			
to be shared and		No			
used? If no, please					
specify the					
necessary changes					
WP and task:		WP 6 – T6.4	4		
Training title:		Conceptua	Conceptual Modeling: Methods, Tools and Application		
Main author/editor:		OMILAB NE	DMILAB NPO (Germany)		
Evaluator:	Evaluator:				
Training format: (Onl	ine/On-	On site			
site)		Doth			
Training nature:	المعال مينا	Both			
(Theoretical/Applicat					
Training planned dura	ation:	3 hours		-1 1-P	
Thematic(s):		Methods	and tool for conceptu	al modeling	

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations

Any interested party

Introduction to the foundation of conceptual modelling

and metamodeling as a realization paradigm

Is the training	X Yes		
compliant with the	□ No		
project	☐ Partially		
requirements?			
Is the training	X Yes		
compliant with the	□ No		
WP objectives and	☐ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the trai	ning		
Question	Answer	Comments	Recommendations
Is the chosen format	X Yes		
of the training the	□ No		
most appropriate			
notably regarding			
the target group(s)?			
Is the planned	X Yes		
duration of the	□ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain	X No		
materials (models	XIVO		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	☐ Yes	Some knowledge	
target group(s) of	□ No	on modeling are	
the training well	X Partially	needed to	
concerned by the	Araitially	understand these	
produced content?	.,,,	concepts	
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry 4.0 stakes and			
challenges?	V Voc		
Is the training sufficiently well	X Yes □ No		
realized to remain			
relevant in the long	☐ Partially		
run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	☐ Partially		
originality of the			

approach, covered	1				
topic(s))					
Quality of the	ΧG	ioo	d		
writing		Ba	-		
Witting	□ Needed				
changes			ianges		
3/ Conclusions					
Question Answer				Comments	Recommendations
Main positive points of	levelope	d a	nd	Provide knowledge	Demonstration with
offered by the training	•			on tools and	adoxx required
,	_			methods for	·
				conceptual model	
Main weaknesses of t	he traini	ng			
Is the training ready	X Ye	Δς			Add a demonstration
to be shared and		C3 No	•		with the platform
used? If no, please		INC	J		With the platform
specify the					
necessary changes					
MAID and tools		١.	ID C TC A	1	
WP and task:		_	/P 6 – T6.4		on Design to Mandalling to
Training title:				en Experimentation: fr	om Design to Modelling to
			valuation	0.40	
Main author/editor:		_		O (Germany)	
Evaluator:		U	NIBG		
Training format: (Onli	ine/On-		On site		
site)					
Training nature:			Both		
(Theoretical/Applicat		1)			
Training planned dura	ation:		1 hours		
Thematic(s):			Methods and tool for conceptual modeling		
Target group(s):			Any inter	rested party	
Summary and learnin	g		Introduct	ion to the foundation	of conceptual modelling
objectives:			and meta	modeling as a realizat	ion paradigm
1/ Project objectives	and requ	uire	ements		
Question	Answer	r		Comments	Recommendations
Is the training	ΧYe	es			
compliant with the		No)		
project		Pa	rtially		
requirements?			•		
Is the training	ΧYe	es			
compliant with the	∏ No		n		

WP objectives and	□ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the trai	ning		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	□ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	□ No		
training the most			
appropriate?			
Does the training	□ Yes		
content contain	X No		
materials (models	XIVO		
etc.) to be offered			
to participants in			
advance e.g. via			
web page	V V		
Is (Are) the aimed	X Yes □ No		
target group(s) of the training well			
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry	randany		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain	□ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))			
Quality of the	X Good		
writing	□ Bad	1	

	☐ Needed				
		changes			
3/ Conclusions					
Question	Answer		Comments	Recommendations	
Main positive points offered by the training	-	and	Introduction to conceptual modeling with an example in the adoxx platform		
Main weaknesses of t	he trainin	g			
Is the training ready	X Ye	S			
to be shared and		No			
used? If no, please					
specify the					
necessary changes					
WP and task:		WP 6 – T6	.4		
Training title:		Scientific and Educational Exploitation			
Main author/editor:		OMILAB NPO (Germany)			
Evaluator:		UNIBG			
		1			
Training format: (Online/On-		On site			
site)		5 .1			
Training nature:	· . /p l. \	Both			
(Theoretical/Applicat					
Training planned dura	ation:	1 hours	s and tool for conceptu	al madalina	
Thematic(s):			s and tool for conceptua	<u> </u>	
Target group(s): Summary and learnin	. ~	Researchers, Master/PhD students Introduction to the scientific and educational exploitation			
objectives:	g	possibilities offered by the OMILAB.			
objectives.		possibili	ties offered by the offin	LAD.	
1/ Project objectives	and requi	rements			
Question	Answer		Comments	Recommendations	
Is the training	X Ye	S			
compliant with the		No			
project		Partially			
requirements?		,			
Is the training	X Ye	S			
compliant with the		No			
WP objectives and		Partially			
correctly dealing		•			
with the application					
form expectations?					

2/ Content of the trai	ning		
Question	Answer	Comments	Recommendations
Is the chosen format	X Yes		
of the training the	□ No		
most appropriate			
notably regarding			
the target group(s)?			
Is the planned	X Yes		
duration of the	□ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain	V NI-		
materials (models	X No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	□ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))			
Quality of the	X Good		
writing	□ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations

Main positive points d	leveloped	and	Explanation of		
offered by the training	3		possible		
			exploitation of		
			OMILAB		
Main weaknesses of t	he trainin	g	Not a real training,		
			but explain how		
			OMILAB can be		
			applied in research		
Is the training ready	X Ye	S			
to be shared and	□ No				
used? If no, please					
specify the					
necessary changes					
WP and task:		WP 6 – T6.4	1		
Training title:		AI-Based Do	omain-Specific Assessr	nent Service	
Main author/editor:		OMILAB NP	O (Germany)		
Evaluator:		UNIBG			
Training format: (Onli	ine/On-	On site			
site)					
Training nature:		Theoretic	cal		
(Theoretical/Applicat	ive/Both				
)					
Training planned dura	ation:	1 hours			
Thematic(s):		AI-Based	Domain-Specific Asses	ssment Service	
Target group(s):		Research	ers, Master/PhD stude	ents	
Summary and learnin	g	Al-Basad	Domain-Specific Asses	ssment Service	
objectives:		Al-baseu	Domain-Specific Asses	Silient Service	
1/ Project objectives	and requi	rements			
Question	Answer		Comments	Recommendations	
Is the training	X Ye	2S			
compliant with the		No			
project		Partially			
requirements?)				
Is the training	X Ye	es			
compliant with the		No			
WP objectives and		Partially			
correctly dealing		. ar cially			
with the application					
form expectations?					
2/ Content of the trai	ning				
Question	Answer		Comments	Recommendations	
Is the chosen format	X Ye	es .			
of the training the		No			

most appropriate			
notably regarding			
the target group(s)? Is the planned	X Yes		
duration of the			
training the most	☐ No		
appropriate?			
Does the training	X Yes		
content contain			
materials (models	☐ No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	□ No		
the training well			
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry	randany		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long	_ ,		
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))	V C I		
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	leveloped and	Provide a	
offered by the training		demonstration on	
		how to implement,	
		configure and	
		deploy intelligent	

Main weaknesses of t	he training	assessments services for a specific domain utilizing AI techniques to infer contextual information derived from implicit relations	
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes		

External evaluation

WP and task:	WP 6 – T6.4
Training title:	Fundamental Conceptual Modelling Languages using Bee-Up
Main author/editor:	OMILAB NPO (Germany)
Evaluator:	Elena Legnani – Wittur

Training format: (Online/On-	On site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	3 hours
Thematic(s):	Conceptual Modelling Languages using Bee-Up
Target group(s):	Engineering students and domain experts
Summary and learning	The training introduces fundamental conceptual
Summary and learning objectives:	modelling languages and the aspect of model value. The
objectives:	modelling languages are introduced and exemplified.

1/ Content of the training						
Question	Answer	Comments	Recommendations			
Is the chosen format	X Yes					
of the training the	☐ No					
most appropriate						
notably regarding						
the target group(s)?						

Is the planned	☐ Yes		
duration of the			
training the most	X No		
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well realized to remain	□ No		
	☐ Partially		
relevant in the long run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	_		
originality of the	☐ Partially		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	•	Good overview of	
offered by the training	g	different modeling	
		and on the	
		possibility of bee	
		up	
Main weaknesses of t	ne training	Exercise can be	Provide group exercises.
		done in group	
		instead of	

				individual to foster discussion.			
Is the training ready	ХҮ	es					
to be shared and		No					
used? If no, please							
specify the							
necessary changes	-						
medeadary arraniged							
WP and task:		WP	6 – T6.	4			
Training title:		Desi	gn Thir	nking using Scene2Mod	el		
Main author/editor:				O (Germany)			
Evaluator:		Elen	a Legn	ani – Wittur			
			I				
Training format: (On	ine/On-s	ite)	On si	te			
Training nature:	/D - 4le		Both				
(Theoretical/Applicat		1)	2 hay	ırc			
Training planned dur	ation:			3 hours			
Thematic(s):			Design Thinking using Scene2Model Multidisciplinary teams within research and academia,				
Target group(s):			industrial domain experts from different fields				
				•	selected design thinking		
Summary and learning	ng obiecti	ves:	l l	_	torytelling approach for		
Summary and learning objectives:							
			digita	I innovation and tool s	upport using Scene2Model		
			digita	I innovation and tool s	upport using Scene2Model		
1/ Content of the tra	ining		digita	Il innovation and tool s	upport using Scene2Model		
1/ Content of the tra Question	ining Answer		digita	Il innovation and tool s Comments	Recommendations		
			digita				
Question	Answer		digita				
Question Is the chosen	Answer	es	digita				
Question Is the chosen format of the	Answer	es	digita				
Question Is the chosen format of the training the most	Answer	es	digita				
Question Is the chosen format of the training the most appropriate notably	Answer	es	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target	Answer	es No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)?	Answer X Ye	es No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned	Answer X Ye	No No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the	Answer X Ye	No No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most	Answer X Ye	es No es No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate?	X Ye	es No es No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training	X Ye	No No PS No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain	X Ye	No No PS No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models	X Ye	No No PS No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered	X Ye	No No PS No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in	X Ye	No No PS No	digita				
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via	X Ye	es No es No	digita				

	T T T T T T T T T T T T T T T T T T T	1	
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	-		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	developed and	Good overview of	
offered by the trainin	g	design thinking and	
		scene2model	
Main weaknesses of t	he training		Instead of showing an
			example, a group
			assignment can be
			organized
Is the training ready	X Yes		Take into consideration
to be shared and	☐ No		the previous comment
used? If no, please			when providing the
specify the			course
necessary changes			
	l.		

WP and task:	WP 6 – T6.4
Training title:	The Value of Conceptual Models
Main author/editor:	OMILAB NPO (Germany)
Evaluator:	Elena Legnani – Wittur

On site
Theoretical
1 hours
The Value of Conceptual Models
Any interested party
Introduce the value of conceptual modelling and purpose
in an academic/research as well industrial context

1/ Content of the trai	1/ Content of the training				
Question	Answer	Comments	Recommendations		
Is the chosen format	X Yes				
of the training the	☐ No				
most appropriate					
notably regarding					
the target group(s)?					
Is the planned	X Yes				
duration of the	☐ No				
training the most					
appropriate?					
Does the training	☐ Yes				
content contain	V NI=				
materials (models	X No				
etc.) to be offered					
to participants in					
advance e.g. via					
web page					
Is (Are) the aimed	X Yes				
target group(s) of	☐ No				
the training well	☐ Partially				
concerned by the					
produced content?					
Is (Are) the subject	X Yes				
matter(s)	☐ No				
appropriate	☐ Partially				
regarding Industry					
4.0 stakes and					
challenges?	V V				
Is the training	X Yes				
sufficiently well realized to remain	□ No				
	☐ Partially				
relevant in the long run?					
	X Yes				
Could the training					
nature be qualified	☐ No				
as innovative? (i.e.					

originality of the		Partially			
approach, covered					
topic(s))					
Quality of the		ood			
writing		Bad			
		Needed			
		changes			
2/ Conclusions					
Question	Answer	•		Comments	Recommendations
Main positive points of	levelope	d and		Good introduction	
offered by the training	g			to conceptual	
				modeling, even if	
				the concept is not	
				easy	
Main weaknesses of t	he trainir	ng			
Is the training ready	X Ye				
to be shared and		No			
used? If no, please					
specify the					
necessary changes					
WP and task:		WP 6 -	T6.4	1	
Training title:		Concep	tual	Modeling: Methods, T	ools and Application
Main author/editor:		OMILAE	3 NF	O (Germany)	
Evaluator:		Elena Le	egna	ani – Wittur	
Training format: (Onli	ine/On-	On sit	te		
site)					
Training nature:			Both		
(Theoretical/Applicat	ive/Both				
)	- ! :	2 hav			
Training planned dura	ation:		3 hours Methods and tool for conceptual modeling		
Thematic(s): Target group(s):				·	
			ested party ion to the foundation of conceptual modelling		
			amodeling as a realizat		
0.000.000		I and n	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and a realizat	יייי אמי ממיאייי
1/ Content of the trai	ning				
Question	Answer			Comments	Recommendations
Is the chosen	ΧY	es			
format of the		No			
training the most					
appropriate notably					

Landa and the state of the stat	1		
regarding the target group(s)?			
Is the planned	X Yes		
duration of the	□ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain			
materials (models	X No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	☐ Yes		It should be addressed to
target group(s) of	X No		specialist since the topic
the training well	A NO		is not easy and some pre-
concerned by the	☐ Partially		knowledge is needed
produced content?			
In (Ama) the annulation	V V		
Is (Are) the subject matter(s)	X Yes		
appropriate	□ No		
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	□ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	•	Good explanation	
offered by the training	g	of conceptual	
		modelling	

Main weaknesses of the training						
to be shared and used? If no, please specify the necessary changes WP and task:	Main weaknesses of t	he trainin	g			
to be shared and used? If no, please specify the necessary changes WP and task:	Is the training ready	X Ye	 S			
used? If no, please specify the necessary changes WP and task: WP 6 – T6.4 Training title: Model-Driven Experimentation: from Design to Modelling to Evaluation Main author/editor: OMILAB NPO (Germany) Evaluator: Elena Legnani – Wittur Training format: (Online/Onsite) Training nature: (Theoretical/Applicative/Both) Training planned duration: 1 hours Thematic(s): Methods and tool for conceptual modeling Target group(s): Any interested party Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodelling as a realization paradigm 1/ Content of the training Question Answer Comments Recommendations Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned X Yes duration of the No training the most appropriate? Does the training Ones the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Yes This kind of course		_	-			
Specify the necessary changes			10			
New	• •					
WP and task: Training title: Main author/editor: DMILAB NPO (Germany) Elena Legnani – Wittur Training format: (Online/Onsite) Training nature: (Theoretical/Applicative/Both) Training planned duration: Thematic(s): Any interested party Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm T/ Content of the training Question Answer Comments Recommendations Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration No Training the most appropriate? Does the training the most appropriate? Does the training the most appropriate? Does the training memost appropriate? This kind of course						
Training title:	necessary enanges					
Training title:						
Evaluation Evaluation Commany Evaluator: Elena Legnani – Wittur	WP and task:		WP 6 – T6.4	1		
Main author/editor: Evaluator: Community Communi	Training title:		Model-Driv	en Experimentatio	n: from Design to Modelling to	
Evaluator: Elena Legnani – Wittur Training format: (Online/Onsite) Training nature: (Theoretical/Applicative/Both) Training planned duration: 1 hours Thematic(s): Methods and tool for conceptual modeling Target group(s): Any interested party Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm 1/ Content of the training Question Answer Comments Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned X Yes duration of the training the most appropriate? Does the training Obes the training materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Thours On site On site On site On site Seth Thours Comment Recommendations Recommendations X Yes On site On site On site On site On site On site Seth This kind of course	Training title.		Evaluation			
Training format: (Online/Onsite) Training nature: (Theoretical/Applicative/Both } Training planned duration: 1 hours Thematic(s): Methods and tool for conceptual modeling Target group(s): Any interested party Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm 1/ Content of the training Question Answer Comments Is the chosen format of the training Homost appropriate notably regarding the target group(s)? Is the planned X Yes duration of the training the most appropriate? Does the training of the training Content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Thours This kind of course This kind of course	Main author/editor:		DMILAB NPO (Germany)			
Site) Training nature: (Theoretical/Applicative/Both) Training planned duration: Thematic(s): Methods and tool for conceptual modeling Target group(s): Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm 1/ Content of the training Question Answer Comments Recommendations Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training the most appropriate? Does the training materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Thours Any interested party Comments Recommendations Recommendations X Yes Unit of the foundation of conceptual modeling and metamodeling as a realization paradigm Any interested party Demand of conceptual modeling Any interested party Any interested party Demand of conceptual modeling Any interested party Demand of conceptual modeling Any interested party Demand of conceptual modeling Any interested party	Evaluator:		Elena Legna	ni – Wittur		
Site) Training nature: (Theoretical/Applicative/Both) Training planned duration: Thematic(s): Any interested party Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm 1/ Content of the training Question Answer Comments Recommendations Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Possible Applicative/Both Both Both Both Both Both February Both Both Both February Any interested party Comments Recommendations Recommendations Recommendations X Yes Omments Recommendations X Yes Untroduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Any interested party Doments No Secommendations This kind of course						
Training planned duration:		ine/On-	On site			
Training planned duration: Thematic(s): Target group(s): Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling and metamodeling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modeling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modeling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modeling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modeling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modeling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modeling and metamodeling as a realization paradigm Introduction of conceptual modeling as a realization paradigm Introduction of conceptual modeling as a realization paradigm Introduction of	Training nature:		Both			
Thematic(s): Target group(s): Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm 1/ Content of the training Question Answer Comments Recommendations Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training to materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Methods and tool for conceptual modeling Any interested party Bary interested party Any interested party Bary interested party Any interested party Bary interested party Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm This kind of course	(Theoretical/Applicat	ive/Both				
Thematic(s): Target group(s): Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modeling and metamodeling as a realization paradigm Introduction to the foundation of conceptual model ing and metamodeling as a realization paradigm Introduction to the foundation of conceptual model ing and metamodeling as a realization paradigm Introduction to the foundation para)					
Thematic(s): Target group(s): Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm 1/ Content of the training Question Answer Comments Recommendations Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training to materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Methods and tool for conceptual modeling Any interested party Bary interested party Any interested party Bary interested party Any interested party Bary interested party Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm This kind of course	Training planned dur	ation:	1 hours			
Target group(s): Summary and learning objectives: Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction to the foundation of conceptual model in paradigm Introduction in paradigm Introduction to the foundation of concept			Methods and tool for conceptual modeling			
Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm Introduction to the foundation paradigm Introduction paradigm Introduction to the foundation paradigm Introduction paradigm Introduction paradigm Introduction paradigm Introduction paradigm Introductio						
Indicate the second paradigm Indicate the second paradigm		ng	_ ·		tion of conceptual modelling	
1/ Content of the training Question	-					
Sthe chosen format of the training the most appropriate notably regarding the training the most appropriate? No Stappropriate? No Stappropriate? No Stappropriate? No Stappropriate? Stappropriate Sta						
Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed X Yes No X Yes Ves X No This kind of course	1/ Content of the train	ining				
of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed	Question	Answer		Comments	Recommendations	
most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed X Yes No Yes X No This kind of course	Is the chosen format	X Ye	S			
most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed X Yes No Yes X Yes Auration No Yes X No This kind of course	of the training the		No			
the target group(s)? Is the planned	most appropriate					
Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed X Yes No X No Yes This kind of course	notably regarding					
Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed X Yes No X No Yes This kind of course	the target group(s)?					
duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed		X Ye	S			
training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Yes Yes Yes This kind of course	•		No			
appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Yes Yes X No X No This kind of course	training the most					
content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed X No X No This kind of course	_					
content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed X No X No This kind of course	Does the training	□ Yes				
etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Yes This kind of course	_	L les				
etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed Yes This kind of course	materials (models	X No				
to participants in advance e.g. via web page Is (Are) the aimed Yes This kind of course	<u> </u>					
advance e.g. via web page Is (Are) the aimed Yes This kind of course	'					
web page Is (Are) the aimed Yes This kind of course	· ·					
Is (Are) the aimed Yes This kind of course	_					
			Yes		This kind of course	

Main author/editor:

Evaluator:

the training well		No		modeling
concerned by the				specialist/model
produced content?	ХР	artially		developer
Is (Are) the subject	ХҮ	es		
matter(s)		No		
appropriate		Partially		
regarding Industry		1 artially		
4.0 stakes and				
challenges?				
Is the training	ΧY	es		
sufficiently well		No		
realized to remain		Partially		
relevant in the long				
run?				
Could the training	ΧY			
nature be qualified		No		
as innovative? (i.e. originality of the		Partially		
approach, covered				
topic(s))				
Quality of the	ΧG	ood		
writing		Bad		
0		Needed		
		changes		
		changes		
2/ Conclusions				
Question	Answei		Comments	Recommendations
Main positive points of	•	d and	Good explanation	
offered by the training	g		on how to design a	
			new modeling	
			language using	
Main waaknassas af t	ha traini		adoxx	
Main weaknesses of t	ne trainii	ıg		
Is the training ready	ХҮ	es		
to be shared and		No		
used? If no, please				
specify the				
necessary changes				
WP and task: WP 6 – Te			1	
Training title: Scienti		C -: 1:C:	nd Educational Exploita	ation

OMILAB NPO (Germany) Elena Legnani – Wittur

On site
Both
1 hours
Methods and tool for conceptual modeling
Researchers, Master/PhD students
Introduction to the scientific and educational exploitation
possibilities offered by the OMiLAB.

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain	V NI -		
materials (models	X No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified			

as innovative? (i.e.		No			
originality of the	☐ Partially				
approach, covered					
topic(s))					
Quality of the	ΧG	ood			
writing		Bad			
		Needed			
		changes			
		0			
2/ Conclusions					
Question	Answer		Comments	Recommendations	
Main positive points of	•	d and	Good analysis of		
offered by the training	g		OMILAB		
			exploitation in		
			research		
Main weaknesses of t	he trainir	ng			
,					
Is the training ready	ΧYe	es			
to be shared and		No			
used? If no, please					
specify the					
necessary changes					
WP and task:		WP 6 – T6.4	ļ		
Training title:		AI-Based Do	omain-Specific Assessn	nent Service	
Main author/editor:		OMILAB NP	O (Germany)		
Evaluator:		Valerio Pese	enti – Intellimech Cons	ortium	
Training format: (Onli site)	ine/On-	On site			
Training nature:		Both	Both		
(Theoretical/Applicat	ive/Both				
)					
Training planned dura	ation:	4 hours	4 hours		
Thematic(s):		Foundation	Foundations of Conceptual Modelling		
Target group(s): Res		Research	ers, Master/PhD stude	nts	
Summary and learning In		Introduct	ion to the scientific for	undation of conceptual	
objectives: model		modelling	5		
1/ Content of the trai	ning				
Question	Answei	•	Comments	Recommendations	
Is the chosen format	ΧY	es			
of the training the		No			
most appropriate					

notably regarding			
the target group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	☐ Yes		
content contain	V No.		
materials (models	X No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the	,		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long	,		
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
1/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of		Good example on	
offered by the training		how to set up	
	J	intelligent	
		assessments	
		services for a	
		specific domain	
i		1 25201110 001110111	1

			1		
			utilizing Al		
			techniques		
Main weaknesses of the training		ng.			
Main Weaknesses of t	ne trainii	ıg			
Is the training ready	ΧY	es			
to be shared and		No			
used? If no, please	_				
specify the					
necessary changes					
WP and task:		WP 6 – T6.4	1		
we and task:				acteristics and Application	`
Training title:		Cases	b Ecosystelli. Clidi	acteristics and Application	ı
Main author/editor:			O (Germany)		
Evaluator:			ani – Wittur		
Training format: (Onl	ine/On-	On site			
site)					
Training nature:			Theoretical		
(Theoretical/Applicative/Both					
)					
Training planned dura	ation:	1 hours	D		
Thematic(s):			•	Assessment Service	
Target group(s):		Research	ers, Master/PhD s	tudents	
Summary and learnin	g	AI-Based	AI-Based Domain-Specific Assessment Service		
objectives:			·		
1/ Content of the trai				D 1	
Question	Answei		Comments	Recommendations	
Is the chosen format	X Y				
of the training the most appropriate	□ No				
notably regarding					
the target group(s)?					
Is the planned	ΧY	es			
duration of the	□ No				
training the most					
appropriate?					
Does the training		Yes			
content contain	.,				
materials (models	ΧN	0			

etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?	V Voc		
Is the training sufficiently well	X Yes		
realized to remain	□ No		
relevant in the long	☐ Partially		
run?			
Could the training	X Yes		
nature be qualified	∏ No		
as innovative? (i.e.			
originality of the	☐ Partially		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
_	☐ Needed		
	changes		
	Changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	leveloped and	Good overview of	
offered by the training	5	OMILAB and its	
		possible	
		application	
Main weaknesses of the training			I would show a video
			with an application
Is the training ready	X Yes		Add a video with an
to be shared and	☐ No		application
used? If no, please			
specify the			
necessary changes			

2.3 BOC PL trainings

Internal Evaluation

WP and task:	WP6 – T6.4
Training title:	Process-oriented topic: Fundamentals of Business Process Management (BPM)
Main author/editor: BOC-PL, Poland	
Evaluator:	UNIBG

Training format: (Online/On-	On-site
site)	
Training nature:	Both
(Theoretical/Applicative/Both)	
Training planned durations	4 hours to 8 hours on the same day or on 2 separately
Training planned duration:	days
Thematic(s):	Business Process Management
Target group(s):	Professionals of the same or different companies
Summary and learning objectives:	Understanding the key aspects of BPM in the enterprise. Hands-on learning process design, acquiring knowledge and skills in the principles of analysis, modelling, and documentation processes. Developing creativity and contextual thinking.

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the	□ No		
project	☐ Partially		
requirements?			
Is the training	X Yes		
compliant with the	□ No		
WP objectives and	☐ Partially		
correctly dealing			
with the application			
form expectations?			
2/ Content of the tra	ining		
2/ Content of the tra	ining		
Question	Answer	Comments	Recommendations
-		Comments	Recommendations
Question	Answer	Comments	Recommendations
Question Is the chosen	Answer X Yes	Comments	Recommendations
Question Is the chosen format of the	Answer X Yes	Comments	Recommendations
Question Is the chosen format of the training the most	Answer X Yes	Comments	Recommendations
Question Is the chosen format of the training the most appropriate notably	Answer X Yes	Comments	Recommendations
Question Is the chosen format of the training the most appropriate notably regarding the target	Answer X Yes	Comments The proposed	Recommendations Add session to apply
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)?	Answer X Yes □ No		
Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned	Answer X Yes □ No X Yes	The proposed	Add session to apply

Main positive points offered by the training	•	Exhaustive explanation of BPMN element and applications	
Question	Answer	Comments	Recommendations
3/ Conclusions			
writing	☐ Bad ☐ Needed changes		
Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the	☐ Yes X No ☐ Partially X Good	It provides knowledge on BPMN, a standard language for business process modeling	
Is the training sufficiently well realized to remain relevant in the long run?	X Yes ☐ No ☐ Partially		
Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges?	X Yes □ No □ Partially		
Is (Are) the aimed target group(s) of the training well concerned by the produced content?	X Yes ☐ No ☐ Partially		
Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page	X Yes □ No	There are exercises in the training slides	
		maybe more exercise/case study session should be added to improve the acquisition of the BPMN	

Main weaknesses of the training		Few exercises/case studies	Provide students more exercise to practice with BPMN and understand how to map as is and to be processes
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes □ No		If the time is enough, provide some more exercises

WP and task:	WP6 – T6.4	
Training title:	Process-oriented topic: Process performance monitoring	
Main author/editor:	BOC-PL, Poland	
Evaluator:	UNIBG	

Training format: (Online/Onsite)	On-site
Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	2 hours to 8 hours on the same day or on 2 separately days – depending on a local needs
Thematic(s):	KPI
Target group(s):	Professionals of the same or different companies
Summary and learning objectives:	Being able to define goals for a process on a basis of a strategy and stakeholder analysis. Defining KPIs on a basis of goals or using the APQC PCF. Designing a process performance monitoring system, defining roles and responsibilities. Planning changes.

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the	☐ No		
project	☐ Partially		
requirements?			
Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing	_ ,		
with the			
application form			
expectations?			
2/ Content of the training			
Question	Answer	Comments	Recommendations

Is the chosen	X Yes		
format of the	□ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes	The proposed	Add session to apply KPI
duration of the	☐ No	duration is fine for	in a case study
training the most		learning the KPI	
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the	,		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?	V.V.		
Is the training	X Yes		
sufficiently well	□ No		
realized to remain	☐ Partially		
relevant in the long			
run?		là man dalan	
Could the training nature be qualified	☐ Yes	It provides knowledge and	
as innovative? (i.e.	☐ No	advices on KPI	
originality of the	X Partially	duvices on Kri	
approach, covered			
topic(s))			
Quality of the	X Good		
writing	□ Bad		
Withing	_		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations

Main positive points developed and offered by the training		Exhaustive step by step procedure to define KPI	
Main weaknesses of the training		Few exercises/case studies	Provide students more exercise to practice with KPI definition
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes		If the time is enough, provide some more exercises

WP and task:	WP6 – T6.4
Training title:	Process improvement using simulation
Main author/editor:	BOC-PL, Poland
Evaluator:	UNIBG

Training format: (Online/On-	On-site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	2 hours to 8 hours on the same day or on 2 separately
rraining planned duration:	days – depending on a local needs
Thematic(s):	Business process simulation
Target group(s):	Professionals of the same or different companies
	Extending BPMN diagrams with information about costs
	and times.
Summary and learning	Process frequencies, probabilities, variables.
Summary and learning objectives:	Using simulation to compare AS IS and TO BE processes
objectives.	and recommend changes
	Change management and process improvement
	Methods of process improvement

1/ Project objectives	and requirements		
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the	☐ No		
project	☐ Partially		
requirements?			
Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing			
with the			

application form			
expectations?			
2/ Content of the tra	l ining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		The comment and the comment an
format of the	□ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes	The proposed	
duration of the	□ No	duration is fine for	
training the most		learning the basic of	
appropriate?		simulation	
Does the training	X Yes		
content contain	□ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	,		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?		It provides besis	
Could the training	Yes	It provides basic	
nature be qualified	☐ No	knowledge on simulation	
as innovative? (i.e. originality of the	X Partially	Sillulation	
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
٥٠٠٠٠٠	ı 🗀 bau	1	1

	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	developed and	Basic understanding	
offered by the trainin	g	on simulation (from	
		BPMN)	
Main weaknesses of t	the training	Few space is	
		devoted to the	
		analysis of the	
		simulation process	
Is the training	X Yes		If the time is enough,
ready to be shared			provide some more
and used? If no,	☐ No		exercises
please specify the			
necessary changes			

External Evaluation

WP and task:	WP6 – T6.4
Training title:	Process-oriented topic: Fundamentals of Business Process
Training title.	Management (BPM)
Main author/editor:	Bialystok University of Technology, Poland
Evaluator:	Elena Legnani – Wittur

Training format: (Online/On-	On-site
site)	
Training nature:	Both
(Theoretical/Applicative/Both)	
Training planned durations	4 hours to 8 hours on the same day or on 2 separately
Training planned duration:	days
Thematic(s):	Business Process Management
Target group(s):	Professionals of the same or different companies
	Understanding the key aspects of BPM in the enterprise.
Summary and learning	Hands-on learning process design, acquiring knowledge
	and skills in the principles of analysis, modelling, and
objectives:	documentation processes. Developing creativity and
	contextual thinking.

1/ Content of the tra	ining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	□ No		
training the most			
appropriate			

the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training mature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the wind in the long runting in the papt of
Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training and the produced content of the partially relevant in the long run? Could the training and the produced content of the partially relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes There are some exercise Provide more exercise Provide more exercise Adjust contents based on student's knowledge on student's knowledge on student's knowledge on student's knowledge on BPMN Adjust contents based on student's knowledge on BPMN Adjust contents base
duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the
training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training mature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Maybe some concepts are too advanced for people who does not have knowledge on BPMN X Yes No advanced for people who does not have knowledge on BPMN X Yes S Yes Is the training sufficiently well realized to remain relevant in the long run? A Yes BPMN is the basis to process improvement and automatization A djust contents based on student's knowledge on BPMN A djust contents based on student's knowledge on BPMN A partially A Partially BPMN is the basis to process improvement and automatization
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content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the Adjust contents based on student's knowledge on BPMN Adjust contents based on student's knowledge on BPMN SYes who does not have knowledge on BPMN Adjust contents based on student's knowledge on BPMN SYes BPMN is the basis to process improvement and automatization SYes improvement and automatization
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etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the S Yes Maybe some concepts are too on student's knowledge on student's knowledge on spMN Adjust contents based on student's knowledge on BPMN Adjust contents based on student's knowledge
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advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Maybe some concepts are too advanced for people who does not have knowledge on BPMN Adjust contents based on student's knowledge on BPMN Adjust contents based on student's knowledge on BPMN Adjust contents based on student's knowledge on BPMN A Yes In No In Partially In No In No In Partially I
Seed to the aimed target group(s) of the training well concerned by the produced content?
Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Maybe some concepts are too advanced for people who does not have knowledge on BPMN X Yes Maybe some concepts are too advanced for people who does not have knowledge on BPMN X Yes Showledge on BPMN X Yes Showledge on BPMN Adjust contents based on student's knowledge on BPMN
target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the Concepts are too advanced for people who does not have knowledge on BPMN X Yes Partially AVES Partially AVES Partially Partially SOOD AVES BPMN is the basis to process improvement and automatization On student's knowledge on BPMN BPMN BPMN BPMN STONE AVES SIMPLE AND STONE SIMPLE AND SIMP
the training well concerned by the produced content? Is (Are) the subject matter(s)
concerned by the produced content? Is (Are) the subject Matter(s) No Appropriate Partially regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the Who does not have knowledge on BPMN X Yes Service Partially
Is (Are) the subject matter(s)
Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes No Partially Partially BPMN is the basis to process improvement and automatization X Partially A Good
matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the
appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the
regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Partially Partially BPMN is the basis to process improvement and automatization X Partially A Good
4.0 stakes and challenges? Is the training sufficiently well Partially relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the
challenges? Is the training
Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the
sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good Partially Partially BPMN is the basis to process improvement and automatization
realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the Partially BPMN is the basis to process improvement and automatization X Partially automatization
relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good BPMN is the basis to process improvement and automatization
run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good BPMN is the basis to process improvement and automatization
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nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good Do process improvement and automatization A varially automatization
as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good improvement and automatization
originality of the approach, covered topic(s)) Quality of the X Good
approach, covered topic(s)) Quality of the X Good
topic(s)) Quality of the X Good
Quality of the X Good
·
writing D Bad
□ Needed
changes
2/ Conclusions
Question Answer Comments Recommendations
Main positive points developed and Exhaustive
offered by the training explanation of BPMN
element and
applications

Main weaknesses of	the training	Few exercises/case studies	Provide student more exercise to practice with BPMN and understand how to map as is and to be processes
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes □ No		

WP and task:	WP6 – T6.4
Training title:	Process-oriented topic: Process performance monitoring
Main author/editor:	Bialystok University of Technology, Poland
Evaluator:	Elena Legnani – Wittur

Training format: (Online/Onsite)	On-site	
Training nature: (Theoretical/Applicative/Both)	Both	
Training planned duration:	2 hours to 8 hours on the same day or on 2 separately days – depending on a local needs	
Thematic(s):	KPI	
Target group(s):	Professionals of the same or different companies	
Summary and learning objectives:	Being able to define goals for a process on a basis of a strategy and stakeholder analysis. Defining KPIs on a basis of goals or using the APQC PCF. Designing a process performance monitoring system, defining roles and responsibilities. Planning changes.	

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	□ No		

materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes	Useful advices for	
target group(s) of	☐ No	professionals	
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			.
Question	Answer	Comments	Recommendations
Main positive points	•	Exhaustive	
offered by the training		explanation of KPI	
		,	
Main weaknesses of	the training	Few exercises/case	
		studies	
	T		
Is the training	X Yes		
ready to be shared	☐ No		
and used? If no,			
please specify the			
necessary changes			

Training format: (Online/Onsite)	On-site	
Training nature:	Both	
(Theoretical/Applicative/Both		
)		
Training planned duration:	2 hours to 8 hours on the same day or on 2 separately	
Training planned duration.	days – depending on a local needs	
Thematic(s):	Business process simulation	
Target group(s):	Professionals of the same or different companies	
	Extending BPMN diagrams with information about costs	
	and times.	
Summany and learning	Process frequencies, probabilities, variables.	
Summary and learning	Using simulation to compare AS IS and TO BE processes	
objectives:	and recommend changes	
	Change management and process improvement	
	Methods of process improvement	

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	,		

4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long	_ ,		
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	developed and	Basic knowledge on	
offered by the trainir	ng	business procees	
		simulation	
Main weaknesses of	the training		
Is the training	X Yes		
ready to be shared	☐ No		
and used? If no,			
please specify the			
necessary changes			

2.4 UNIBG trainings

Internal Evaluation

WP and task:	WP 6 – T6.4
Training title:	Business process analysis and re-engineering
Main author/editor:	UNIBG
Evaluator:	AFIL-Andrea Mazzoleni

Training format: (Online/On-	Online (due to Covid 19) / Online
site)	

Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	1 day
Thematic(s):	Business process analysis and re-engineering. The training aims at delivering process-oriented competences to the participants to be able to describe and analyze a business process. Re-engineering competences will be also provided
Target group(s):	Professional from different companies
Summary and learning objectives:	The participants will be able to model a business process, identify business weaknesses and define possible improvement actions.

1/ Project objectives and requirements				
Question	Answer	Comments	Recommendations	
Is the training	X Yes			
compliant with the	☐ No			
project	☐ Partially			
requirements?				
Is the training	X Yes			
compliant with the	☐ No			
WP objectives and	☐ Partially			
correctly dealing	_ ,			
with the application				
form expectations?				
2/ Content of the tra	ining			
Question	Answer	Comments	Recommendations	
Is the chosen	X Yes	The format is a good		
format of the	☐ No	balance among		
training the most		theoretical and		
appropriate notably		practical contents.		
regarding the				
target group(s)?				
Is the planned	X Yes			
duration of the	☐ No			
training the most				
appropriate?				
Does the training	X Yes			
content contain	☐ No			
materials (models				
etc.) to be offered				
to participants in				
advance e.g. via				
web page				
Is (Are) the aimed	X Yes			
target group(s) of				

the training well	☐ No		
concerned by the	☐ Partially		
produced content?	_ ,		
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	rarelany		
4.0 stakes and			
challenges?			
Is the training	X Yes	Practical content is	
sufficiently well	☐ No	well realized and	
realized to remain	☐ Partially	useful for the	
relevant in the long	rarelany	attendees which will	
run?		be able to acquire	
		competencies with	
		software dedicated	
		to discrete	
		simulations events.	
Could the training	☐ Yes	Topics and thematic	
nature be qualified	□ No	are in line with	
as innovative? (i.e.		context of Industry	
originality of the	X Partially	4.0 and the	
approach, covered		approach in useful	
topic(s))		to achieve the	
		learning objectives.	
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	•	Good Mix among	If it is possible, I would
offered by the training	g	theory and practice.	dedicate more time to
			exercises and practical
			examples.
Main weaknesses of the training			
	T		
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes			

WP and task:	WP 6 – T6.4
Training title:	Service Operations Management

Main author/editor:	UNIBG		
Evaluator:	AFIL-Andrea Mazzoleni		
Training format: (Online/On-	Online (due to Covid 19) / Online		
site)			
Training nature:	Both		
(Theoretical/Applicative/Both			
)			
Training planned duration:	1 day		
	The training allows the company's employees to		
Thomatic(s):	understand the main concept of service, analyze in the		
Thematic(s):	associated processes and get to know the main		
	techniques to classify and model them.		
Target group(s):	Students		
	Understating of the main service features		
Summary and learning	 Understating of how to design, describe and 		
objectives:	improve a service process		
	Understating on how to measure a service process		

1/ Project objectives and requirements				
Question	Answer	Comments	Recommendations	
Is the training	X Yes			
compliant with the	☐ No			
project	☐ Partially			
requirements?]			
Is the training	X Yes			
compliant with the	☐ No			
WP objectives and	☐ Partially			
correctly dealing	_ ,			
with the application				
form expectations?				
2/ Content of the training				
Question	Answer	Comments	Recommendations	
Is the chosen	X Yes			
format of the	X Yes □ No			
format of the training the most appropriate notably				
format of the training the most appropriate notably regarding the				
format of the training the most appropriate notably regarding the target group(s)?				
format of the training the most appropriate notably regarding the target group(s)?				
format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the	□ No			
format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most	□ No X Yes			
format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate?	□ No X Yes □ No			
format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most	□ No X Yes			

			-
materials (models	☐ No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	∐ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	_ ,		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	☐ Yes	Topics and thematic	
nature be qualified	☐ No	are in line with	
as innovative? (i.e.		context of Service	
originality of the	X Partially	Operations	
approach, covered		Management and	
topic(s))		the approach in	
		useful to achieve the	
0 -10 -11-	Y Coad	learning objectives.	
Quality of the	X Good		
writing	Bad		
	☐ Needed		
	changes		
2/Canalysians			
3/ Conclusions	Answer	Comments	Pasammandations
Question	1 11 11 01	Conditions	Recommendations
Main positive points offered by the training	•	Good theory	
Offered by the training	g		
Main weeknesses of t	the training	Practices could be	
Main weaknesses of t	ne training	improved	
		Improved	
to the extremely always and also	V V	1	
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes	i		

WP and task:	WP 6 – T6.4
Training title:	Product-service system engineering
Main author/editor:	UNIBG
Evaluator:	AFIL-Andrea Mazzoleni

Training format: (Online/Onsite)	Online (due to Covid 19) / Online
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	1 day
Thematic(s):	The training allows the company's employees to understand the main concept of product-service system, get to know the main methods to design and engineer them.
Target group(s):	Professional from different companies
Summary and learning objectives:	Through the utilization of theoretical and practical applications, deals with methods and tools to design and engineer product service systems starting from the analysis of customer needs.

1/ Project objectives and requirements				
Question	Answer	Comments	Recommendations	
Is the training	X Yes			
compliant with the	☐ No			
project	☐ Partially			
requirements?	,			
Is the training	X Yes			
compliant with the	☐ No			
WP objectives and	☐ Partially			
correctly dealing	_ ,			
with the application				
form expectations?				
2/ Content of the tra	ining			
Question	Answer	Comments	Recommendations	
Is the chosen	X Yes			
format of the	☐ No			
training the most				
appropriate notably				
regarding the				
target group(s)?				
Is the planned	X Yes			
duration of the	☐ No			

training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry	·		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes	The topic of PSS	
nature be qualified	☐ No	engineering is a new	
as innovative? (i.e.	□ Dowtielly	topic for scholars	
originality of the	☐ Partially		
approach, covered			
topic(s)) Quality of the	X Good		
writing	_		
Willing	□ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	developed and	Good Mix among	
offered by the trainin	•	theory and practice.	
,		, ,	
Main weaknesses of t	the training		
Is the training ready	X Yes		
to be shared and	□ No		
used? If no, please	·		

			•	•	
specify the					
necessary changes					
WP and task:		WP 6 – T6.4			
Training title:		Process S	Process Simulation in manufacturing		
Main author/editor:		UNIBG			
Evaluator:		AFIL-Andrea Mazzoleni			
Training format: (On site)	line/On-	Online (d	due to Covid 19) / Onlir	ne	
Training nature:		Both			
(Theoretical/Applicat	tive/Both				
)					
Training planned dur	ation:	8 hours			
		The stud	lent acquires the neces	sary elements and	
Thematic(s):		concepts	concepts related to simulation, specifically applied to		
mematic(s).		manufacturing processes. The student will get known of			
		the Flexi	im discrete event simul	ation software.	
1 m 9 c 9 c c m (c)		Students	S		
		Through	the utilization of theor	etical and practical	
Summary and learning	ng	applicati	ions, this course deals v	with process simulation.	
objectives:		_	s on discrete event sim	•	
		develop	what ifs analysis are pr	oposed.	
1/ Project objectives	and requir	ements			
Question	Answer		Comments	Recommendations	
Is the training	X Yes				
compliant with the	□ N	0			
project	☐ P:	artially			
requirements?)	a. c.a,			
Is the training	X Yes				
compliant with the	□ N	0			
WP objectives and	☐ P:	artially			
correctly dealing		1			
with the application					
form expectations?					
2/ Content of the tra	ining				
Question	Answer		Comments	Recommendations	

X Yes

□ No

Is the chosen format of the

training the most appropriate notably

		T	T
regarding the			
target group(s)?	X Yes		
Is the planned duration of the			
	☐ No		
training the most			
appropriate?	V Voc		
Does the training content contain	X Yes		
materials (models	☐ No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	X TCS		
the training well	☐ No		
concerned by the	☐ Partially		
produced content?	,		
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry	randany		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long	_ ,		
run?			
Could the training	☐ Yes	Simulation is not a	
nature be qualified	☐ No	new topic, but it is	
as innovative? (i.e.		interesting its	
originality of the	X Partially	application to I4.0	
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	developed and	Good Mix among	
offered by the trainin	g	theory and practice.	

Main weaknesses of the training		
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes □ No	

External Evaluation

WP and task:	WP 6 – T6.4
Training title:	Business process analysis and re-engineering
Main author/editor:	UNIBG
Evaluator:	Consorzio Intellimech – Valerio Pesenti

Training format: (Online/Onsite)	Online (due to Covid 19) / Online
Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	1 day
Thematic(s):	Vocational training on Business process analysis and reengineering. The training aims at delivering processoriented competences to the participants to be able to describe and analyze a business process. Re-engineering competences will be also provided
Target group(s):	Professional from different companies
Summary and learning objectives:	The participants will be able to model a business process, identify business weaknesses and define possible improvement actions.

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	Due to fact that	
format of the	☐ No	vocational training is	
training the most		dedicated to	
appropriate notably		practitioners, the	
regarding the		chosen format is	
target group(s)?		appropriate for the	
		good balance among	
		theory and practice.	

Is the planned	X Yes	8h is the right	
duration of the	☐ No	duration.	
training the most			
appropriate?			
Does the training	X Yes	I think yes, but	
content contain	☐ No	confidentiality issues	
materials (models		should be taken into	
etc.) to be offered		account.	
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes	Yes, the course can	
sufficiently well	☐ No	help attendees in	
realized to remain	☐ Partially	acquiring	
relevant in the long		competencies	
run?		concerning	
		simulation that can	
		remain relevant in the long run.	
Could the training	□ V	I think that the	
Could the training nature be qualified	☐ Yes	training is in line	
as innovative? (i.e.	☐ No	with I4.0 and that	
originality of the	X Partially	the learning content	
approach, covered	X Turdany	is structured to	
topic(s))		provide specific and	
τοριο(ο),		detailed knowledge	
		to attendees, useful	
		for their life-long	
		learning.	
Quality of the	X Good	J. J.	
writing	Bad		
	☐ Needed		
	changes		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations

Main positive points developed and offered by the training		Practical contents are well structured, with exercises and simulations carried out by a dedicated software.	
Main weaknesses of t	the training		
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes □ No		

WP and task:	WP 6 – T6.4
Training title:	Service Operations Management
Main author/editor:	UNIBG
Evaluator:	Valerio Pesenti – Intellimech Consortium

Training format: (Online/On-	Online (due to Covid 19) / Online	
site)		
Training nature:	Both	
(Theoretical/Applicative/Both		
)		
Training planned duration:	1 day	
	The training allows the company's employees to	
Thematic(s):	understand the main concept of service, analyze in the	
mematic(s).	associated processes and get to know the main	
	techniques to classify and model them.	
Target group(s):	Students	
Summary and learning objectives:	 Understating of the main service features Understating of how to design, describe and improve a service process 	
	Understating on how to measure a service process	

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate			
notably regarding			

the target group(s)?			
Is the planned	X Yes		
duration of the	□ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	□ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	□ No		
the training well	☐ Partially		
concerned by the	Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry	rantiany		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long	,		
run?			
Could the training	X Yes		
nature be qualified	—		
as innovative? (i.e.	☐ No		
originality of the	☐ Partially		
approach, covered	Faitially		
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions		Г.	Ι
Question	Answer	Comments	Recommendations
Main positive points	•	Provide knowledge	
offered by the training		on how to manage	
		service operations	
		management	

Main weaknesses of	the training	More practice is required	
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes		

WP and task:	WP 6 – T6.4
Training title:	Product-service system engineering
Main author/editor:	UNIBG
Evaluator:	Valerio Pesenti – Intellimech Consortium

Training format: (Online/Onsite)	Online (due to Covid 19) / Online
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	1 day
Thematic(s):	The training allows the company's employees to understand the main concept of product-service system, get to know the main methods to design and engineer them.
Target group(s):	Professional from different companies
Summary and learning objectives:	Through the utilization of theoretical and practical applications, deals with methods and tools to design and engineer product service systems starting from the analysis of customer needs.

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain			

materials (models	☐ No		
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	_		
as innovative? (i.e.	☐ No		
originality of the	□ Dowtielly		
approach, covered	☐ Partially		
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
	0.10000		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	•	Provide knowledge	
offered by the training	ıg	on how to rethink	
		your service offering	
		also with a lot of	
		examples.	
Main weaknesses of	the training		
Is the training	X Yes		
ready to be shared			
and used? If no,	☐ No		
please specify the			
necessary changes			

WP and task:	WP 6 – T6.4	
Training title:	Process Simulation in manufacturing	
Main author/editor:	UNIBG	
Evaluator:	Valerio Pesenti – Intellimech Consortium	

Training format: (Online/Onsite)	Online (due to Covid 19) / Online
Training nature: (Theoretical/Applicative/Both	Both
)	
Training planned duration:	8 hours
Thematic(s):	The student acquires the necessary elements and concepts related to simulation, specifically applied to manufacturing processes. The student will get known of the Flexim discrete event simulation software.
Target group(s):	Students
Summary and learning objectives:	Through the utilization of theoretical and practical applications, this course deals with process simulation. Trainings on discrete event simulation techniques to develop what ifs analysis are proposed.

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page	VV-		
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			

Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.	□ INU		
originality of the	☐ Partially		
approach, covered	_ ,		
topic(s))	V C- ad		
Quality of the	X Good		
writing	Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	-	Provide knowledge	
offered by the training	ıg	on how to improve a	
		process thanks to	
		the adoption of	
		simulation	
Main weaknesses of the training		More practice is	
		required	
Is the training	1		
	X Yes		
ready to be shared			
and used? If no,	X Yes		
•			

2.5 CIRIDD trainings

Internal Evaluation

WP and task:	WP 6 – T6.4	
Training title:	Integration of the uses and the design in the company	
Training title:	business model	

Main author/editor:	CIRIDD
Evaluator:	AFIL-Andrea Mazzoleni
Training format: (Online/On-	On-site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	4 hours
Thematic(s):	Integration of the uses and design in the company
mematic(s).	business model
Target group(s):	all kind of companies, regardless of the size or the sector
Summary and learning	The objective is to bring companies to integrate the uses
objectives:	of the customer and the design in the company business
objectives.	model

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	☐ Yes	If I correctly	
compliant with the	□No	understood, the	
project		training is more	
requirements?	X Partially	related to aspect	
		concerning design	
		that are	
		complementary to	
		the technological /	
		methodological	
		aspects related to	
		FoF and Industry 4.0.	
Is the training	☐ Yes	The topics are	
compliant with the	□No	complementary to	
WP objectives and		the technological /	
correctly dealing	X Partially	methodological	
with the		aspects related to	
application form		FoF and Industry 4.0.	
expectations?			
2/ Content of the tra	ining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	I think that the	
format of the	☐ No	format is appropriate	
training the most		since it balances a	
appropriate		presentation by	
notably regarding		professionals and an	
the target		iterative process to	
group(s)?		involve users.	

		1	
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes	The material is quite	
content contain	☐ No	visual.	
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	☐ No		
concerned by the	☐ Partially		
produced content?	_ ,		
Is (Are) the subject	☐ Yes	Se above comments.	
matter(s)			
appropriate	□ No		
regarding Industry	X Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes	I think that the	
sufficiently well		training provide can	
realized to remain	□ No	be helpful to share to	
relevant in the long	☐ Partially	the participants some	
run?		principles and / or a	
Tuiti		methodology related	
		on how to design a	
		product.	
Could the training	☐ Yes	product.	
nature be qualified			
as innovative? (i.e.	☐ No		
originality of the	X Partially		
	A raidally		
approach, covered			
topic(s))	X Good		
Quality of the			
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answor	Comments	Pasammandations
	daysland and	Comments The mixed approach	Recommendations If it is possible, I would
Main positive points		The mixed approach	•
offered by the trainir	ıg	i.e. presentation of	add more text to the
		professionals and	presentation to help
		interaction.	attendees in fix the
			knowledge.

Main weaknesses of	the training	If it is possible, I would add more text to the presentation to help attendees in fix the knowledge.	
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes	Yes, but if possible, I would add more text to the presentation.	

External Evaluation

WP and task:	WP 6 – T6.4
Training title:	Integration of the uses and the design in the company business model
Main author/editor:	CIRIDD
Evaluator:	Consorzio Intellimech – Valerio Pesenti

Training format: (Online/Onsite)	On-site
Training nature:	Both
(Theoretical/Applicative/Both)	
Training planned duration:	4 hours
Thematic(s):	Integration of the uses and design in the company business model
Target group(s):	all kind of companies, regardless of the size or the sector
Summary and learning objectives:	The objective is to bring companies to integrate the uses of the customer and the design in the company business model

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training compliant with the project requirements?	☐ Yes ☐ No X Partially		I would suggest being complementary to the topics of Industry 4.0 by transferring knowledge that are related to stimulate the phase of design of a product considering I4.0 paradigm.

compliant with the WP objectives and correctly dealing with the application form expectations? 2/ Content of the training Question Answer Comments Recommendations S the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain X Yes S Yes In a complementary. Comment, I think it is complementary. Comments Recommendations Recommendations Recommendations Recommendations A Yes No The comments of the subject in No The training well concerned by the produced content? Is (Are) the subject in No X Partially Yes In a complementary Way. Yes Yes, because I think it is complementary in think it is complementary. The comments in the comment in the comment in think it is complementary. The comments in the comment in the comme	Is the training	☐ Yes	As previous	
WP objectives and correctly dealing with the application form expectations? 2/ Content of the training Question	compliant with the		comment, I think it is	
with the application form expectations? 2/ Content of the training Question Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain X Yes In a complementary way. Yes, because I think it structured in order to transfer some	WP objectives and		complementary.	
application form expectations? 2/ Content of the training Question	correctly dealing	X Partially		
Expectations?	with the			
Answer Comments Recommendations	application form			
Sthe chosen format of the training the most appropriate notably regarding the target group(s)? Sthe planned duration of the training the most appropriate? No No The training the most appropriate? No No The training the most appropriate? No The training the most appropriate? No The training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? No Partially No The training well concerned by the produced content? Start (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Start training sufficiently well realized to remain Partially No Structured in order to transfer some Structured in order to transfer some The training sufficiently well realized to remain Partially The training sufficiently well realized to remain The training	expectations?			
Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain X Yes No No No No No No X Partially Yes, because I think it is structured in order to transfer some	2/ Content of the tra	nining		
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appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain A Yes In a complementary way. Yes, because I think it is structured in order to transfer some	format of the	☐ No		
notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain X Yes X Yes In a complementary way. Yes, because I think it is structured in order to transfer some	training the most			
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Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain X Yes X Yes In a complementary way. Yes, because I think it is structured in order to transfer some	training the most			
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materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s)	Does the training	X Yes		
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to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain X Yes way. In a complementary way. X Partially Yes way. Yes, because I think it is structured in order to transfer some	materials (models			
advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain X Yes No D No	etc.) to be offered			
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concerned by the produced content? Is (Are) the subject matter(s)				
Is (Are) the subject matter(s)	•			
Is (Are) the subject matter(s)	=	☐ Partially		
matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain No X Partially Way. Yes, because I think it is structured in order to transfer some	•			
appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain X Partially X Partially Yes, because I think it is structured in order to transfer some	•	☐ Yes	In a complementary	
regarding Industry 4.0 stakes and challenges? Is the training X Yes Yes, because I think it is structured in order realized to remain Partially A Fattally Yes, because I think it is structured in order to transfer some	= =	☐ No	way.	
4.0 stakes and challenges? Is the training X Yes Yes, because I think it is structured in order realized to remain Partially Partially		X Partially		
challenges? Is the training		,		
Is the training X Yes Yes, because I think it is structured in order realized to remain Partially				
sufficiently well				
realized to remain Partially to transfer some			1	
Partially 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	☐ No		
relevant in the long		☐ Partially		
	relevant in the long			
run? be used in several	run?			
situations by the			•	
attendees.	Cauld the turning		attendees.	
Could the training Yes	_	<u> </u>		
nature be qualified No No No	-	∐ No		

		I	
originality of the	X Partially		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	Main positive points developed and		If possible, add some
offered by the trainir	ng	slide in order to make	industrial cases.
		them self-explained.	
Main weaknesses of	the training	See comment above	
		(Add more text to the	
		slide in order to make	
		them self-explained)	
Is the training	X Yes	, ,	Yes, but add more text
ready to be shared	☐ No		to the presentation and
and used? If no,			if possible, some
please specify the			industrial cases.
necessary changes			

2.6 ULBS trainings

Internal Evaluation

WP and task:	WP 6 – T6.4
Training title:	Workplace safety – Employees emotion recognition
Main author/editor:	ULBS, Romania
Evaluator:	UNIBG

Training format: (Online/On-	On-site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	12 hours
Thematic(s):	Understand how emotions affect risk perception and behaviour Understand, design, and implement a method to recognize human emotions from live video sequences
Target group(s):	Master students (Computer Science) Software engineers

This training is structured in 4 different laboratories, each having two hours per week. The training period if four weeks. In following describes the organisation of each separate module.		
1. Introduction to Python & OpenCV		
2. Face detection		
3. Supervised learning		
4. Recognizing facial emotions		

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the			
project	☐ No		
requirements?	☐ Partially		
Is the training	X Yes		
compliant with the			
WP objectives and	☐ No		
correctly dealing	☐ Partially		
with the application			
form expectations?			
2/ Content of the trai	ning		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	It contains a	
format of the	☐ No	snapshot and step	
training the most		by step explanation	
appropriate notably		of exercises	
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes	There are exercises	
content contain	☐ No	to share with	
materials (models		students	
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	∐ No		
concerned by the	☐ Partially		
produced content?			

Is (Are) the subject	X Yes	;		
matter(s)				
appropriate		Ю		
regarding Industry	☐ P	artially		
4.0 stakes and				
challenges?				
Is the training	X Ye		It provides basics	
sufficiently well	□ N	Ю	knowledge on	
realized to remain	☐ P	artially	phyton and face	
relevant in the long			recognition	
run?	X Yes		algorithms	
Could the training nature be qualified		1-		
as innovative? (i.e.				
originality of the	∐ P	artially		
approach, covered				
topic(s))				
Quality of the	X Go	od		
writing		Bad		
	_	leeded		
		hanges		
		ges		
3/ Conclusions				
3/ Conclusions				
Question	Answer		Comments	Recommendations
Question Main positive points d	leveloped	and	It is combines	Recommendations
Question	leveloped	and	It is combines theory and exercise	Recommendations
Question Main positive points d offered by the training	leveloped 3		It is combines theory and exercise on the topics	Recommendations
Question Main positive points d	leveloped 3		It is combines theory and exercise on the topics Can be added some	Recommendations
Question Main positive points d offered by the training	leveloped g		It is combines theory and exercise on the topics Can be added some slide to explain the	Recommendations
Question Main positive points d offered by the training	leveloped g		It is combines theory and exercise on the topics Can be added some slide to explain the theoretical	Recommendations
Question Main positive points d offered by the training	leveloped g		It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead	Recommendations
Question Main positive points doffered by the training Main weaknesses of the	leveloped 3 he training	;	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical	
Question Main positive points of offered by the training Main weaknesses of the state of the s	leveloped B he training X Yes	5	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead	Include some slides
Question Main positive points of offered by the training Main weaknesses of the state of the training ready to be shared and	leveloped B he training X Yes	;	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead	Include some slides explaining the theoretical
Question Main positive points of offered by the training Main weaknesses of the state of the s	leveloped B he training X Yes	5	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead	Include some slides explaining the theoretical background to help
Question Main positive points of offered by the training Main weaknesses of the state of the s	leveloped B he training X Yes	5	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead	Include some slides explaining the theoretical background to help students follow the
Question Main positive points of offered by the training Main weaknesses of the state of the s	leveloped B he training X Yes	5	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead	Include some slides explaining the theoretical background to help
Question Main positive points of offered by the training Main weaknesses of the state of the s	leveloped B he training X Yes	5	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead	Include some slides explaining the theoretical background to help students follow the
Question Main positive points of offered by the training Main weaknesses of the state of the s	leveloped B he training X Yes	5	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead of text	Include some slides explaining the theoretical background to help students follow the
Question Main positive points of offered by the training. Main weaknesses of the standard of the training ready to be shared and used? If no, please specify the necessary changes. WP and task: Training title:	leveloped B he training X Yes	S Jo WP 6 – Te Sibiu – Sm	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead of text	Include some slides explaining the theoretical background to help students follow the
Question Main positive points of offered by the training offered by the training offered by the training of the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor:	leveloped B he training X Yes	WP 6 – TO Sibiu – Sm ULBS, Ror	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead of text	Include some slides explaining the theoretical background to help students follow the
Question Main positive points of offered by the training. Main weaknesses of the standard of the training ready to be shared and used? If no, please specify the necessary changes. WP and task: Training title:	leveloped B he training X Yes	S Jo WP 6 – Te Sibiu – Sm	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead of text	Include some slides explaining the theoretical background to help students follow the
Question Main positive points of offered by the training offered by the training offered by the training of the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor:	leveloped R he training	WP 6 – TO Sibiu – Sm ULBS, Ror	It is combines theory and exercise on the topics Can be added some slide to explain the theoretical background instead of text	Include some slides explaining the theoretical background to help students follow the

Training nature: (Theoretical/Applicative/Both	Both
<u> </u>	
Training planned duration:	8 hours
Thematic(s):	Smart City Modelling using ADOxx
Target group(s):	Vocational training: professional of system design
raiget group(s).	Master students
	Understand and apply a method for the design of smart
Summary and learning	city modelling
objectives:	Acquire operational skills on the use of ADOxx toolkits for
	Smart City modelling

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the			
project	☐ No		
requirements?	☐ Partially		
Is the training	X Yes		
compliant with the			
WP objectives and	☐ No		
correctly dealing	☐ Partially		
with the application			
form expectations?			
2/ Content of the train	ining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	It contains step by	
format of the	☐ No	step explanation of	
training the most		how to design a	
appropriate notably		smart city using	
regarding the target		adoxx platform	
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes	There are exercises	
content contain	☐ No	to share with	
materials (models		students	
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		

concerned by the produced content?	☐ Partially		
Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges?	X Yes No Partially		
Is the training sufficiently well realized to remain relevant in the long run?	X Yes No Partially	It is based on the Adoxx platform	
Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s))	X Yes No Partially		
Quality of the writing	X Good Bad Needed changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points offered by the training	•	It is very applicative	
Main weaknesses of t	he training	I would integrate some background on the adoxx (if students do not have previous knowledge)	
Is the training ready to be shared and used? If no, please specify the	☐ Yes X No		I would integrate some background on the adoxx (if students do not have

WP and task:	WP 6 – T6.4
Training title:	Petri Nets based automation of manufacturing systems
Main author/editor:	ULBS, Romania
Evaluator:	UNIBG

Training format: (Online/Onsite)	On-site
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	16 hours
Thematic(s):	Petri Nets based automation of manufacturing systems
Target group(s):	Master students
	Understand and apply a method for designing robust and
Summary and learning	deadlock free control solution for manufacturing systems
objectives:	Acquire operational skills on the use of Petri Nets tools for
	automation

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the			
project	☐ No		
requirements?	☐ Partially		
Is the training	X Yes		
compliant with the			
WP objectives and	□ No		
correctly dealing	☐ Partially		
with the			
application form			
expectations?			
2/ Content of the tra	nining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes	There are exercises	
content contain	☐ No	to share with	
materials (models		students	
etc.) to be offered			
to participants in			
advance e.g. via			
web page			

Is (Are) the aimed	X Yes		
target group(s) of	□ No		
the training well concerned by the	☐ Partially		
produced content?	Partially		
Is (Are) the subject	X Yes		
matter(s)	7. 1.00		
appropriate	☐ No		
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes	Yes, it provides	
sufficiently well realized to remain	□ No	knowledge on petri net and how to	
relevant in the long	☐ Partially	design robust and	
run?		deadlock free control	
Turi.		solution for	
		manufacturing	
		system	
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions	T .	T	
Question	Answer	Comments	Recommendations
Main positive points offered by the training	·	It is very applicative, there are a lot of	•
offered by the training		exercises	
Main weaknesses of the training		Theory part is limited	Add some slides for the
		in the document	theory that is applied on
le the training			the exercises
Is the training ready to be shared	☐ Yes		Add some slides for the theory that is applied on
and used? If no,	X No		the exercises
please specify the			and exercises
necessary changes			

External Evaluation

WP and task:	WP 6 – T6.4
Training title:	Workplace safety – Employees emotion recognition
Main author/editor:	ULBS, Romania
Evaluator:	Michele Ermidoro - AlSent

Training format: (Online/On-	On-site		
site)			
Training nature:	Both		
(Theoretical/Applicative/Both)			
Training planned duration:	12 hours		
Thematic(s):	Understand how emotions affect risk perception and behaviour Understand, design, and implement a method to recognize human emotions from live video sequences		
Target group(s):	Master students (Computer Science) Software engineers		
Summary and learning objectives:	This training is structured in 4 different laboratories, each having two hours per week. The training period if four weeks. In following describes the organisation of each separate module. 1. Introduction to Python & OpenCV 2. Face detection 3. Supervised learning 4. Recognizing facial emotions		

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	It provides code	
format of the	☐ No	and images to	
training the most		explain exercises	
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			

Main author/editor:

advance e.g. via				
web page				
Is (Are) the aimed	X Ye	S	Students need	
target group(s) of	Ι ,	N.	some knowledge	
the training well		No	on programming	
concerned by the		Partially		
produced content?				
Is (Are) the subject	X Ye	S		
matter(s)	,	No		
appropriate				
regarding Industry		Partially		
4.0 stakes and				
challenges?	V V-	_		
Is the training sufficiently well	X Ye			
realized to remain				
relevant in the long		Partially		
run?				
Could the training	X Yes		It is a relevant topic	
nature be qualified		No	in the factory of the	
as innovative? (i.e.	□ No		future	
originality of the	י ט	Partially	Turun e	
approach, covered				
topic(s))				
Quality of the	X Go	ood		
writing	D	3ad		
		Needed		
		changes		
	· ·			
2/ Conclusions	1			
Question	Answer		Comments	Recommendations
Main positive points	•	and	It explains topics	
offered by the trainin	g		using exercises	
Main weaknesses of t	the training	3		
to the a true in in a man all o	V V-			
Is the training ready to be shared and	X Yes			
used? If no, please	☐ No			
specify the				
necessary changes				
necessary changes	<u> </u>		1	<u> </u>
WP and task:		WP 6 – T	6.4	
Training title:			nart City Modelling	
. —				

ULBS, Romania

Evaluator:	Michele Ermidoro - AlSent		
Training format: (Online/On-	On-site		
site)			
Training nature:	Both		
(Theoretical/Applicative/Both			
)			
Training planned duration:	8 hours		
Thematic(s):	Smart City Modelling using ADOxx		
Target group(s):	Vocational training: professional of system design		
rarget group(s).	Master students		
	Understand and apply a method for the design of smart		
Summary and learning	city modelling		
objectives:	Acquire operational skills on the use of ADOxx toolkits for		
	Smart City modelling		

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes	Training is done	
format of the	☐ No	using the software,	
training the most		and the document	
appropriate notably		can guide students	
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page	V Voc		
Is (Are) the aimed	X Yes		
target group(s) of the training well	□No		
concerned by the	☐ Partially		
produced content?	Faitially		
Is (Are) the subject	X Yes		
matter(s)	Λ 103		
appropriate	☐ No		
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			

Is the training sufficiently well realized to remain	X Yes □ No	Smart cities are	
realized to remain			
		becoming more	
	☐ Partially	and more relevant	
relevant in the long	_ ,		
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the	,		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	□ Bad		
	□ Needed		
	changes		
2/ Conclusions			
		0	5
4	nswer	Comments	Recommendations
Main positive points dev	eloped and	It is based on a case	•
offered by the training		study to be	
		developed by	
		students	
Main weaknesses of the	training		Add some contextual
			information
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes			

WP and task:	WP 6 – T6.4
Training title:	Petri Nets based automation of manufacturing systems
Main author/editor:	ULBS, Romania
Evaluator:	Michele Ermidoro - AlSent

Training format: (Online/Onsite)	On-site	
Training nature:	Both	
(Theoretical/Applicative/Both		
)		
Training planned duration:	16 hours	
Thematic(s):	Petri Nets based automation of manufacturing systems	
Target group(s):	Master students	
Summary and learning	Understand and apply a method for designing robust and	
objectives:	deadlock free control solution for manufacturing systems	

Acquire operational skills on the use of Petri Nets tools for
automation

Sthe chosen format of the training the most appropriate notably regarding the target group(s)? Sthe planned duration of the training the most appropriate? No training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? No regarding Industry 4.0 stake	1/ Content of the training					
format of the training the most appropriate notably regarding the target group(s)? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed target group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the No No No Partially A Yes No Partially No Partially A Yes No Partially A Yes No Partially A Yes A Y	Question	Answer	Comments	Recommendations		
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appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate? Does the training content contain materials (models etc.) to be offered to participants in advance e.g. via web page Is (Are) the aimed arget group(s) of the training well concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training X Yes Tyes Safficiently well realized to remain relevant in the long run? Could the training X Yes A Yes Safficiently well realized to remain relevant in the long run? Could the training Sufficiently well realized to remain relevant in the long run? Could the training Sufficiently well realized to remain relevant in the long run? Could the training Sufficiently well Partially Partially Partially run? Could the training Sufficiently well Partially Partially Partially Partially Partially Partially Sufficiently well Sufficiently well Partially Partially Sufficiently well Sufficiently well Partially Partially Sufficiently well Sufficientl	format of the	☐ No				
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concerned by the produced content? Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the Partially Partially A Yes Partially Partially Partially Partially Partially A Yes A Good		□ No				
Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes No Partially X Yes No Partially Partially X Yes Partially X Yes A Good	_					
Is (Are) the subject matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Partially X Yes No Partially Partially X Yes Partially X Yes Partially	•	Partially				
matter(s) appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good No Partially Partially Partially Partially X Yes Partially A Yes Partially	•	V Voc				
appropriate regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the		X 162				
regarding Industry 4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Partially No Partially Partially Partially Partially X Yes Partially A Good		□ No				
4.0 stakes and challenges? Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the		— □ Partially				
challenges? Is the training		randany				
Is the training sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Partially No Partially Partially X Yes Partially X Yes A Ye						
sufficiently well realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Partially Partially OR O		X Yes				
realized to remain relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Yes Partially Partially Partially Partially X Yes Partially V A Good	_	_				
relevant in the long run? Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good	· ·					
Could the training nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good	relevant in the long	Faitially				
nature be qualified as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good	run?					
as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good	Could the training	X Yes				
as innovative? (i.e. originality of the approach, covered topic(s)) Quality of the X Good	nature be qualified	☐ No				
originality of the approach, covered topic(s)) Quality of the X Good						
topic(s)) Quality of the X Good	originality of the	arciany				
Quality of the X Good	approach, covered					
writing Bad		X Good				
	writing	☐ Bad				

	☐ Needed changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points developed and offered by the training		It explains topics using exercises	
Main weaknesses of	the training	There are only exercises	I would suggest adding some theory
Is the training ready to be shared and used? If no, please specify the necessary changes	X Yes		I would suggest to add some slides for theory (exercises are fine)

2.7 UNIBIAL trainings

Internal Evaluation

WP and task:	WP 6 – T6.4
Training title:	Business model canvas for FoF strategy creation
Main author/editor:	Alicja E. Gudanowska Bialystok University of Technology,
iviain author/editor.	Poland
Evaluator:	UNIBG

Training format: (Online/Onsite)	On-site
Training nature:	Both
(Theoretical/Applicative/Both)	
Training planned duration:	1 day (6 hours)
Thematic(s):	Improving the ability to create and develop business models; improving skills of identifying weaknesses of current solutions, seeking opportunities for the development, planning, visualization; improvement of skills of teamwork and presentation of prepared solutions.
Target group(s):	Professionals of the same or different companies
Summary and learning objectives:	Presentation of basic theoretical content and example case study, division of teams, clarification of the subject matter of each team – 45 minutes;

		discussion of a given ral creation – 9 x 30 min	
	summar	y and presentation – 45	5 minutes
1/ Project objectives	and requirements		
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the			
project	☐ No		
requirements?	☐ Partially		
Is the training	X Yes		
compliant with the			
WP objectives and	☐ No		
correctly dealing	☐ Partially		
with the application			
form expectations?			
2/ Content of the trai	ning	1	
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	V 162		
the training well	☐ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
	1		1
matter(s)			

☐ Partially

regarding Industry

4.0 stakes and				
challenges?				
Is the training	X Ye	S		
sufficiently well		10		
realized to remain	□ F	artially		
relevant in the long		,		
run?				
Could the training	X Yes			
nature be qualified		١o		
as innovative? (i.e.	□F	artially		
originality of the		,		
approach, covered				
topic(s))				
Quality of the	X Go	od		
writing		Bad		
		leeded		
	C	hanges		
3/ Conclusions			T _	
Question	Answer		Comments	Recommendations
Main positive points of	•	and	The theoretical part	
offered by the training	8		is well structured	
Main weaknesses of t	ha training		It explains topics	
Main weaknesses of the training		•	without many	
			examples	
Is the training ready	X Ye	<u> </u>	Схаттртез	
to be shared and	_	-		
used? If no, please	יו ט	Ю		
specify the				
necessary changes				
necessary changes				
WP and task:		WP 6 – T6	5.4	
WP and task: Training title:			5.4 nking for product and	service design
		Design thi Alicja E. G	nking for product and	service design University of Technology,
Training title: Main author/editor:		Design thi Alicja E. G Poland	nking for product and	
Training title:		Design thi Alicja E. G	nking for product and	
Training title: Main author/editor: Evaluator:	ine/On-	Design thi Alicja E. G Poland UNIBG	nking for product and	
Training title: Main author/editor:	ine/On-	Design thi Alicja E. G Poland	nking for product and	
Training title: Main author/editor: Evaluator: Training format: (Onli	ine/On-	Design thi Alicja E. G Poland UNIBG	nking for product and	
Training title: Main author/editor: Evaluator: Training format: (Onlisite)		Design thi Alicja E. G Poland UNIBG On-site	nking for product and	
Training title: Main author/editor: Evaluator: Training format: (Onlisite) Training nature:		Design thi Alicja E. G Poland UNIBG On-site	nking for product and	

Thematic(s):	Improving the skills of designing new products, creating innovative solutions, planning their implementation in practice; solving problems; basic analysis of selected elements of the organization's environment; improving the skills of teamwork, communication and presentation of prepared solutions	
Target group(s):	Professionals of the same or different companies	
Summary and learning objectives:	Presentation of basic theoretical content, division of teams, clarification of the design challenge – 1 hour and 30 minutes; implementation of the individual steps of the design thinking process – 3 hours; presentation of results – 1 hour; evaluation round and ideas for improvement – 30 minutes	

1/ Project objectives and requirements				
Question	Answer	Comments	Recommendations	
Is the training	X Yes			
compliant with the	—			
project	□ No			
requirements?	☐ Partially			
Is the training	X Yes			
compliant with the	□ No			
WP objectives and	_			
correctly dealing	☐ Partially			
with the application				
form expectations? 2/ Content of the trai	ning			
		1		
Ougetion	Anguar	Commonte	Docommondations	
Question	Answer	Comments	Recommendations	
Is the chosen	X Yes	Comments	Recommendations	
Is the chosen format of the		Comments	Recommendations	
Is the chosen format of the training the most	X Yes	Comments	Recommendations	
Is the chosen format of the training the most appropriate notably	X Yes	Comments	Recommendations	
Is the chosen format of the training the most appropriate notably regarding the target	X Yes	Comments	Recommendations	
Is the chosen format of the training the most appropriate notably regarding the target group(s)?	X Yes No	Comments	Recommendations	
Is the chosen format of the training the most appropriate notably regarding the target	X Yes No	Comments	Recommendations	
Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the	X Yes No	Comments	Recommendations	
Is the chosen format of the training the most appropriate notably regarding the target group(s)?	X Yes No	Comments	Recommendations	
Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most	X Yes No	Comments	Recommendations	
Is the chosen format of the training the most appropriate notably regarding the target group(s)? Is the planned duration of the training the most appropriate?	X Yes No X Yes No	Comments	Recommendations	

materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	□ No		
the training well			
concerned by the produced content?	☐ Partially		
•	V Voc		
Is (Are) the subject matter(s)	X Yes		
appropriate	□ No		
regarding Industry	☐ Partially		
4.0 stakes and	rantiany		
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain	☐ Partially		
relevant in the long	Fartially		
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the	,		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/0			
3/ Conclusions		0	D detiene
Question	Answer	Comments	Recommendations
Main positive points of	•	The theoretical and	
offered by the training	3	practical parts are well structured	
Main weaknesses of t	ha training	Well Structureu	
Main weaknesses of t	ne training		
Is the training ready	X Yes		
to be shared and	□ No		
used? If no, please			
specify the			
necessary changes			

WP and task:	WP 6 – T6.4
Training title:	Cloud manufacturing for modelling virtualized resources
Main author/editor:	Julia Siderska- Bialystok University of Technology, Poland
Evaluator:	UNIBG

Training format: (Online/On-	On-site
Training nature: (Theoretical/Applicative/Both	Both
Training planned duration:	1 day (6 hours)
Thematic(s):	Acquainting participants with knowledge regarding fundamentals of cloud manufacturing paradigm; defining the vision, conceptual framework and service models for cloud manufacturing; shaping the ability of identification of data sources and data acquisition; indicating resources and capabilities enabled to be virtualized and shared 'on demand'
Target group(s):	Professionals of the same or different companies
Summary and learning objectives:	Presentation of fundamental theoretical contents – 4 hours examples of data acquisition and data sources identifications, identifying data sources; data acquisition – 1/2 hour identifying virtualizable resources and capabilities – 1 hour discussion and summary – 1/2 hour

1/ Project objectives and requirements				
Question	Answer	Comments	Recommendations	
Is the training compliant with the project requirements?	X Yes No Partially			
Is the training compliant with the WP objectives and correctly dealing	X Yes No Partially			

with the application					
form expectations?					
2/ Content of the training					
Question	Answer	Comments	Recommendations		
Is the chosen	X Yes				
format of the	☐ No				
training the most					
appropriate notably					
regarding the target					
group(s)?					
Is the planned	X Yes				
duration of the	☐ No				
training the most					
appropriate?					
Does the training	X Yes				
content contain	☐ No				
materials (models					
etc.) to be offered					
to participants in					
advance e.g. via					
web page					
Is (Are) the aimed	X Yes				
target group(s) of	□ No				
the training well					
concerned by the	☐ Partially				
produced content?	V V				
Is (Are) the subject	X Yes				
matter(s)	□ No				
appropriate regarding Industry	☐ Partially				
4.0 stakes and	raitially				
challenges?					
Is the training	X Yes				
sufficiently well	□ No				
realized to remain	<u></u>				
relevant in the long	☐ Partially				
run?					
Could the training	X Yes				
nature be qualified	□ No				
as innovative? (i.e.	☐ Partially				
originality of the	rantially				
approach, covered					
topic(s))					
Quality of the	X Good				
writing	☐ Bad				
	☐ Needed				
	changes				

3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	leveloped and	The theoretical part	
offered by the training	g	is well structured as	
		well as the	
		exercises provided	
Main weaknesses of t	he training		
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes			

WP and task:	WP 6 – T6.4
Training title:	Artificial intelligence tools for Industry 4.0 transformation
Main author/editor:	Julia Siderska Bialystok University of Technology, Poland
Evaluator:	UNIBG

Training format: (Online/On-	On-site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	1 day (6 hours)
	Acquainting participants with knowledge about fundamentals of Industry 4.0 technologies and trends;
	introducing the basics of artificial intelligence tools
Thematic(s):	enabling industrial transformation; shaping the ability of
	modelling and simulations with the use of chosen artificial
	intelligence tools; developing the skills of designing expert
	systems and neural models
Target group(s):	Professionals of the same or different companies
	Presentation of basic theoretical content – 2 hours
	grouping participants into teams, explaining the
Summary and learning objectives:	assumptions of the designed expert systems – 1/2 hour
·	working in groups – 2 and 1/2 hours
	presentation of the results – 1 hour

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the			
project	□ No		
requirements?	☐ Partially		
Is the training	X Yes		
compliant with the			
WP objectives and	□ No		
correctly dealing	☐ Partially		
with the application			
form expectations?			
2/ Content of the trai			I
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target group(s)?			
Is the planned	X Yes		
duration of the	□ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	□ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	☐ Partially		
regarding Industry 4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	No No		
realized to remain			
	☐ Partially		

relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
- /			
3/ Conclusions			
Question	Answer	Comments	Recommendations
	7 0 0	Comments exercises are the	Recommendations
Question	leveloped and		Recommendations
Question Main positive points of	leveloped and	exercises are the	Recommendations
Question Main positive points of	developed and	exercises are the added value of the	Recommendations
Question Main positive points offered by the training	developed and	exercises are the added value of the	Recommendations
Question Main positive points offered by the training	developed and	exercises are the added value of the	Recommendations
Question Main positive points of offered by the training Main weaknesses of t	developed and	exercises are the added value of the	Recommendations
Question Main positive points offered by the training	developed and g	exercises are the added value of the	Recommendations
Question Main positive points of offered by the training Main weaknesses of the straining ready	developed and g he training X Yes	exercises are the added value of the	Recommendations
Question Main positive points of offered by the training of the training ready to be shared and	developed and g he training X Yes	exercises are the added value of the	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard ready to be shared and used? If no, please	developed and g he training X Yes	exercises are the added value of the	Recommendations
Question Main positive points of offered by the training Main weaknesses of the standard of the training ready to be shared and used? If no, please specify the	developed and g he training X Yes	exercises are the added value of the	Recommendations

WP and task:	WP 6 – T6.4
Training title:	Fundamentals of Business Process Management (BPM)
Main author/editor:	Arkadiusz Jurczuk - Bialystok University of Technology, Poland
Evaluator:	UNIBG

Training format: (Online/On-	On-site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	1 day (6 hours)
	Understanding the key aspects of process management in
Thematic(s):	the enterprise. Hands-on learning process understanding
mematic(s).	and knowledge of the principles of analysis, designing and
	documentation processes. Understanding of modern IT

	systems supporting the process management and digitalization. Developing creativity and contextual thinking.
Target group(s):	Professionals of the same or different companies
Summary and learning objectives:	lecture - presentation of basic theoretical content – 4h working in groups, case study and discussion – 1 1/2h discussion and summary – 1/2h

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the			
project	□ No		
requirements?	☐ Partially		
Is the training	X Yes		
compliant with the			
WP objectives and	☐ No		
correctly dealing	☐ Partially		
with the application			
form expectations?			
2/ Content of the trai	ning		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	☐ No		

concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)			
appropriate	□ No		
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long run?			
Could the training	X Yes		
nature be qualified	No □ No		
as innovative? (i.e.			
originality of the	☐ Partially		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions		T _	T
Question	Answer	Comments	Recommendations
Main positive points of	•		
offered by the training	g		
Main weaknesses of t	he training		
Widin weakinesses of t	ne training		
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes			

External Evaluation

WP and task:	WP 6 – T6.4
Training title:	Business model canvas for FoF strategy creation

Main author/editor:	Alicja E. Gudanowska Bialystok University of Technology, Poland
Evaluator:	Paolo Gaiardelli – University of Bergamo

Training format: (Online/Onsite)	On-site
Training nature:	Both
(Theoretical/Applicative/Both	
Training planned duration:	1 day (6 hours)
Thematic(s):	Improving the ability to create and develop business models; improving skills of identifying weaknesses of current solutions, seeking opportunities for the development, planning, visualization; improvement of skills of teamwork and presentation of prepared solutions.
Target group(s):	Professionals of the same or different companies
Summary and learning objectives:	Presentation of basic theoretical content and example case study, division of teams, clarification of the subject matter of each team – 45 minutes; 9 blocks: discussion of a given model element and its individual creation – 9 x 30 minutes;
	summary and presentation – 45 minutes

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			

Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate			
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?	V Voc		
Is the training	X Yes		
sufficiently well realized to remain	□ No		
	☐ Partially		
relevant in the long run?			
Could the training	X Yes		
nature be qualified	□ No		
as innovative? (i.e.			
originality of the	☐ Partially		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
	Main positive points developed and		
offered by the training		tipic is of extreme	
oncica by the trailing	•	interest to the	
	g		
Main weaknesses of t	g	interest to the	
	g	interest to the	
Main weaknesses of t	he training	interest to the	
Main weaknesses of t	he training X Yes	interest to the	
Main weaknesses of to be shared and	he training	interest to the	
Main weaknesses of to be shared and used? If no, please	he training X Yes	interest to the	
Is the training ready to be shared and used? If no, please specify the	he training X Yes	interest to the	
Main weaknesses of to be shared and used? If no, please	he training X Yes	interest to the	

WP and task:	WP 6 – T6.4	
Training title:	Design thinking for product and service design	
Main author/editor:	Alicja E. Gudanowska - Bialystok University of Technology, Poland	
Evaluator:	Paolo Gaiardelli – University of Bergamo	

Training format: (Online/Onsite)	On-site
Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	1 day (6 hours)
Thematic(s):	Improving the skills of designing new products, creating innovative solutions, planning their implementation in practice; solving problems; basic analysis of selected elements of the organization's environment; improving the skills of teamwork, communication and presentation of prepared solutions
Target group(s):	Professionals of the same or different companies
	Presentation of basic theoretical content, division of teams, clarification of the design challenge – 1 hour and 30 minutes;
Summary and learning objectives:	implementation of the individual steps of the design thinking process – 3 hours;
	presentation of results – 1 hour;
	evaluation round and ideas for improvement – 30 minutes

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			

	T	1	T
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	—		
appropriate	☐ No		
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the	,		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	•	very interactive	
offered by the training	g	lesson	
Main weaknesses of the training			
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes			

WP and task:	WP 6 – T6.4	
Training title:	Cloud manufacturing for modelling virtualized resources	
Main author/editor:	Julia Siderska- Bialystok University of Technology, Poland	
Evaluator:	Valerio Pesenti – Intellimech Consortium	

Training format: (Online/Onsite)	On-site
Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	1 day (6 hours)
Thematic(s):	Acquainting participants with knowledge regarding fundamentals of cloud manufacturing paradigm; defining the vision, conceptual framework and service models for cloud manufacturing; shaping the ability of identification of data sources and data acquisition; indicating resources and capabilities enabled to be virtualized and shared 'on demand'
Target group(s):	Professionals of the same or different companies
Summary and learning objectives:	Presentation of fundamental theoretical contents – 4 hours examples of data acquisition and data sources identifications, identifying data sources; data acquisition – 1/2 hour identifying virtualizable resources and capabilities – 1 hour
	discussion and summary – 1/2 hour

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			

advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	□ No		
the training well			
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate			
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long	,		
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the	,		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	developed and	Exercises are the	
offered by the training	g .	most interesting	
,		part of the course	
Main weaknesses of the training			
j			
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes			

WP and task:	WP 6 – T6.4	
Training title:	Artificial intelligence tools for Industry 4.0 transformation	
Main author/editor:	Julia Siderska- Bialystok University of Technology, Poland	

Evaluator:	Valerio Pesenti – Intellimech Consortium		
Training format: (Online/On-	On-site		
site)			
Training nature:	Both		
(Theoretical/Applicative/Both			
)			
Training planned duration:	1 day (6 hours)		
	Acquainting participants with knowledge about		
	fundamentals of Industry 4.0 technologies and trends;		
	introducing the basics of artificial intelligence tools		
Thematic(s):	enabling industrial transformation; shaping the ability of		
	modelling and simulations with the use of chosen artificial		
	intelligence tools; developing the skills of designing expert		
	systems and neural models		
Target group(s):	Professionals of the same or different companies		
	Presentation of basic theoretical content – 2 hours		
	grouping participants into teams, explaining the		
Summary and learning	assumptions of the designed expert systems – 1/2 hour		
objectives:	1		
	working in groups – 2 and 1/2 hours		
	presentation of the results – 1 hour		

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			

Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	_		
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?	X Yes		
Could the training			
nature be qualified as innovative? (i.e.	□ No		
originality of the	☐ Partially		
approach, covered			
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	developed and	Appreciable the	
offered by the training	g	part with Exercises	
		for participants	
Main weaknesses of t	he training		
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
		1	1
necessary changes			

WP and task:	WP 6 – T6.4	
Training title:	Fundamentals of Business Process Management (BPM)	
Main author/editor:	Arkadiusz Jurczuk - Bialystok University of Technology,	
	Poland	
Evaluator:	Valerio Pesenti – Intellimech Consortium	

Training format: (Online/Onsite)	On-site
Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	1 day (6 hours)
Thematic(s):	Understanding the key aspects of process management in the enterprise. Hands-on learning process understanding and knowledge of the principles of analysis, designing and documentation processes. Understanding of modern IT systems supporting the process management and digitalization. Developing creativity and contextual thinking.
Target group(s):	Professionals of the same or different companies
Summary and learning objectives:	lecture - presentation of basic theoretical content – 4h working in groups, case study and discussion – 1 1/2h discussion and summary – 1/2h

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			

Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate regarding Industry	☐ Partially		
4.0 stakes and	Faitially		
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the approach, covered			
topic(s))			
Quality of the	X Good		
writing	Bad		
	☐ Needed		
	changes		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	•	good theretical	
offered by the training	g	introduction to	
NA=:	la a tina in in a	BPM	
Main weaknesses of t	ne training		
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes			

2.8 CONTI trainings

Internal Evaluation

WP and task:	WP6 – T6.4
Training title: Cobots - installing and programming information a rapid implementation of Cobots in industrial er	
Main author/editor:	CONTI
Evaluator:	UNIBG

Training format: (Online/Onsite)	On-site		
Training nature: (Theoretical/Applicative/Both)	Both		
Training planned duration:	5 days, 8 hours / day		
Thematic(s):	The course offers basic knowledge regarding the concept, installation, exploitation and maintenance of Cobots in industrial environment		
Target group(s):	Student, Automation Engineer, Researcher on technical topics		
Summary and learning objectives:	-measure time to establish frequency and timing for AGV movements -design routes for AGVs in 3D simulation software -programming script for Fleet Manager -integration of object recognition to avoid obstacles -sensor maintenance/replacement - programming Cobot to communicate with industrial environment (sliding doors, industrial equipment, other Cobots etc.)		

1/ Project objectives and requirements			
Question	Answer	Comments	Recommendations
Is the training	X Yes		
compliant with the	☐ No		
project	☐ Partially		
requirements?			
Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing	_ , ,		
with the			
application form			
expectations?			
2/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the			

training the most	□ No		
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the	□ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	□ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	□ No		
the training well			
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate			
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	□ No		
realized to remain			
relevant in the long	☐ Partially		
run?			
Could the training	X Yes	It provides	
nature be qualified	□ No	knowledge on	
as innovative? (i.e.	☐ Partially	industrial cobot and	
originality of the	Partially	how to configure	
approach, covered		and design them	
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points	developed and	Exhaustive step by	
offered by the training	g	step procedure to	
		configure cobot	

Main weaknesses of t	he training	
Is the training ready to be shared	X Yes	
and used? If no, please specify the	☐ No	
necessary changes		

WP and task:	WP6 – T6.4
Training title:	AGV for modern Logistics in industrial companies
Main author/editor:	CONTI
Evaluator:	UNIBG

Training format: (Online/Onsite)	On-site
Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	3 days, 8 hours / day
Thematic(s):	basic knowledge regarding the exploitation and maintenance of AGVs in the logistic field of the industrial environment
Target group(s):	Student, Automation Engineer, Researcher on technical topics
Summary and learning objectives:	-measure time to establish frequency and timing for AGV movements -design routes for AGVs in 3D simulation software -programming script for Fleet Manager -integration of object recognition to avoid obstacles -sensor maintenance/replacement

1/ Project objectives and requirements				
Question	Answer	Comments	Recommendations	

Is the training	X Yes		
compliant with the	☐ No		
project	☐ Partially		
requirements?	·		
Is the training	X Yes		
compliant with the	☐ No		
WP objectives and	☐ Partially		
correctly dealing	_ ,		
with the			
application form			
expectations?			
2/ Content of the tra	ining		
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate			
notably regarding			
the target			
group(s)?			
Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the			
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			

Could the training	X Yes	It provides	
nature be qualified	☐ No	knowledge on	
as innovative? (i.e.	☐ Partially	industrial AGV and	
originality of the	,	how to configure	
approach, covered		and design them	
topic(s))			
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
	0		
3/ Conclusions			
- 7			
Question	Answer	Comments	Recommendations
_		Comments Exhaustive step by	Recommendations
Question	developed and		Recommendations
Question Main positive points of	developed and	Exhaustive step by	Recommendations
Question Main positive points of	developed and g	Exhaustive step by step procedure to	Recommendations
Question Main positive points offered by the training	developed and g	Exhaustive step by step procedure to	Recommendations
Question Main positive points offered by the training	developed and g	Exhaustive step by step procedure to	Recommendations
Question Main positive points offered by the training	developed and g	Exhaustive step by step procedure to	Recommendations
Question Main positive points of offered by the training Main weaknesses of the second seco	developed and g the training	Exhaustive step by step procedure to	Recommendations
Question Main positive points of offered by the training Main weaknesses of the straining of the training of the training of the straining o	developed and g the training	Exhaustive step by step procedure to	Recommendations
Question Main positive points of offered by the training Main weaknesses of the straining ready to be shared	developed and g the training X Yes	Exhaustive step by step procedure to	Recommendations

External Evaluation

WP and task:	WP6 – T6.4
Training title:	Cobots - installing and programming information needed for a rapid implementation of Cobots in industrial environment
Main author/editor:	CONTI
Evaluator:	Valerio Pesenti – Intellimech Consortium

Training format: (Online/On-	On-site
site)	
Training nature:	Both
(Theoretical/Applicative/Both	
)	
Training planned duration:	5 days, 8 hours / day
	The course offers basic knowledge regarding the concept,
Thematic(s):	installation, exploitation and maintenance of Cobots in
	industrial environment

Target group(s):	Student, Automation Engineer, Researcher on technical topics
Summary and learning objectives:	-design, install and configure Cobots cells/applications -provide maintenance services for Cobots and accessories -synchronize Cobots with production equipment -learn/know communication protocols -use controllers and interfaces with equipment -able to program the Cobot -design grippers using CAD software

1/ Content of the training				
Question	Answer	Comments	Recommendations	
Is the chosen	X Yes			
format of the	☐ No			
training the most				
appropriate notably				
regarding the target				
group(s)?				
Is the planned	X Yes			
duration of the	☐ No			
training the most				
appropriate?				
Does the training	X Yes			
content contain	☐ No			
materials (models				
etc.) to be offered				
to participants in				
advance e.g. via				
web page				
Is (Are) the aimed	X Yes			
target group(s) of	□ Na			
the training well	□ No			
concerned by the	☐ Partially			
produced content?				
Is (Are) the subject	X Yes			
matter(s)				

appropriate		No		
regarding Industry		Partially		
4.0 stakes and challenges?				
Is the training	X Ye	es		
sufficiently well		No		
realized to remain		Partially		
relevant in the long]	r ar crarry		
run?				
Could the training	X Yes			
nature be qualified		No		
as innovative? (i.e. originality of the		Partially		
approach, covered				
topic(s))				
Quality of the	ΧG	ood		
writing		Bad		
		Needed		
		changes		
2/ Conclusions				
Question	Answer		Comments	Recommendations
Main positive points developed and				
Main positive points of	ieveloped	and	Very detailed	
Main positive points of offered by the training	-	and	description of	
1	-	d and	description of cobot and how to	
offered by the training	B		description of	
1	B		description of cobot and how to	
offered by the training	B		description of cobot and how to	
offered by the training	B	ng	description of cobot and how to	
offered by the training Main weaknesses of t	he trainin	ng	description of cobot and how to	
offered by the training Main weaknesses of the standard of the training ready to be shared and used? If no, please	he trainin	ng es	description of cobot and how to	
offered by the training Main weaknesses of the standard ready to be shared and used? If no, please specify the	he trainin	ng es	description of cobot and how to	
offered by the training Main weaknesses of the standard of the training ready to be shared and used? If no, please	he trainin	ng es	description of cobot and how to	
offered by the training Main weaknesses of the standard ready to be shared and used? If no, please specify the	he trainin	ng es	description of cobot and how to	
offered by the training Main weaknesses of the standard ready to be shared and used? If no, please specify the	he trainin	ng es	description of cobot and how to	
offered by the training Main weaknesses of the standard ready to be shared and used? If no, please specify the	he trainin	ng es	description of cobot and how to design them	
offered by the training Main weaknesses of the straining ready to be shared and used? If no, please specify the necessary changes WP and task:	he trainin	es No	description of cobot and how to design them	
offered by the training Main weaknesses of the straining ready to be shared and used? If no, please specify the necessary changes	he trainin	es No WP6 – T6.4	description of cobot and how to design them	strial companies
offered by the training Main weaknesses of t Is the training ready to be shared and used? If no, please specify the necessary changes WP and task: Training title:	he trainin	es No WP6 – T6.4	description of cobot and how to design them	strial companies
offered by the training Main weaknesses of the straining ready to be shared and used? If no, please specify the necessary changes WP and task:	he trainin	es No WP6 – T6.4 AGV for mo	description of cobot and how to design them	•
offered by the training Main weaknesses of the standard of the shared and used? If no, please specify the necessary changes WP and task: Training title: Main author/editor:	he trainin	es No WP6 – T6.4 AGV for mo	description of cobot and how to design them	•

Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	3 days, 8 hours / day
Thematic(s):	basic knowledge regarding the exploitation and maintenance of AGVs in the logistic field of the industrial environment
Target group(s):	Student, Automation Engineer, Researcher on technical topics
Summary and learning objectives:	-measure time to establish frequency and timing for AGV movements -design routes for AGVs in 3D simulation software -programming script for Fleet Manager -integration of object recognition to avoid obstacles -sensor maintenance/replacement

1/ Content of the training				
Question	Answer	Comments	Recommendations	
Is the chosen	X Yes			
format of the	☐ No			
training the most				
appropriate notably				
regarding the target				
group(s)?				
Is the planned	X Yes			
duration of the	☐ No			
training the most				
appropriate?				
Does the training	X Yes			
content contain	☐ No			
materials (models				
etc.) to be offered				
to participants in				
advance e.g. via				
web page				
Is (Are) the aimed	X Yes			
target group(s) of				
the training well	☐ No			

concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate	_		
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?			
Could the training	X Yes		
nature be qualified	☐ No		
as innovative? (i.e.	☐ Partially		
originality of the			
approach, covered			
topic(s))	V. Caral		
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of	developed and	Very detailed	
offered by the trainin	g	description of AGV	
	-	and how to design	
		them	
Main weaknesses of t	he training		
Is the training ready	X Yes		
to be shared and	□ No		
used? If no, please			
specify the			
necessary changes			

2.9 UNIOULU trainings

Internal Evaluation

WP and task:	WP6 – T6.4
Training title:	Robotics application in Virtual Laboratory

Main author/editor:

format of the

the target group(s)?

training the most appropriate notably regarding

☐ No

Evaluator:	l	UNIBG			
Training format: (Online/Onsite)		On-site			
Training nature: (Theoretical/Applica	tive/Both	Both			
Training planned dui	ration:	2 days			
Thematic(s):		The course offers knowledge on robots			
Thematic(s).		Vocational training: professionals on automation			
Target group(s):				Computing Systems)	
Summary and learning objectives:		 Have knowledge of robotics process conceptual modelling based on ADOxx platform Be capable of implementing some hands-on tools (adopting Bee-up) to design the models Get the basic ideas how robots cooperate in the real settings Cultivate more sense of robotics 			
1/ Project objectives	· -	ements			
Question	Answer		Comments	Recommendations	
Is the training compliant with the project requirements?	X Yes	o artially			
Is the training compliant with the WP objectives and correctly dealing with the application form	X Yes	o artially			
expectations?					
2/ Content of the training					
Question	Answer		Comments	Recommendations	
Is the chosen	X Yes				

UNIOULU, Finland

Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of	☐ No		
the training well	☐ Partially		
concerned by the	•		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	☐ No		
appropriate	☐ Partially		
regarding Industry			
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?	.,,,		
Could the training	X Yes	It provides	
nature be qualified	☐ No	knowledge on robot,	
as innovative? (i.e.	☐ Partially	how to program and	
originality of the		model them	
approach, covered			
topic(s))	Y Const		
Quality of the	X Good		
writing	☐ Bad		
	☐ Needed		
	changes		
3/ Conclusions			
Question	Answor	Comments	Recommendations
Main positive points	Answer	High detail level on	Recommendations
offered by the training	•	robotics and how to	
offered by the training	ıg .		
		nrogram tham	
Main weaknesses of	the training	program them	
Main weaknesses of	the training	Slide should be	
Main weaknesses of	the training		

s the training	X Yes
ready to be shared and used? If no,	☐ No
please specify the	
necessary changes	

External Evaluation

WP and task:	WP6 – T6.4	
Training title:	Robotics application in Virtual Laboratory	
Main author/editor:	or/editor: UNIOULU, Finland	
Evaluator:	Valerio Pesenti – Intellimech Consortium	

Training format: (Online/Onsite)	On-site
Training nature: (Theoretical/Applicative/Both)	Both
Training planned duration:	2 days
Thematic(s):	The course offers knowledge on robots
Target group(s):	Vocational training: professionals on automation Master students (Advanced Computing Systems)
Summary and learning objectives:	 Have knowledge of robotics process conceptual modelling based on ADOxx platform Be capable of implementing some hands-on tools (adopting Bee-up) to design the models Get the basic ideas how robots cooperate in the real settings Cultivate more sense of robotics

1/ Content of the training			
Question	Answer	Comments	Recommendations
Is the chosen	X Yes		
format of the	☐ No		
training the most			
appropriate notably			
regarding the target			
group(s)?			

Is the planned	X Yes		
duration of the	☐ No		
training the most			
appropriate?			
Does the training	X Yes		
content contain	☐ No		
materials (models			
etc.) to be offered			
to participants in			
advance e.g. via			
web page			
Is (Are) the aimed	X Yes		
target group(s) of			
the training well	□ No		
concerned by the	☐ Partially		
produced content?			
Is (Are) the subject	X Yes		
matter(s)	□ No		
appropriate			
regarding Industry	☐ Partially		
4.0 stakes and			
challenges?			
Is the training	X Yes		
sufficiently well	☐ No		
realized to remain	☐ Partially		
relevant in the long			
run?	V Voc		
Could the training	X Yes		
nature be qualified as innovative? (i.e.	□ No		
originality of the	☐ Partially		
approach, covered			
topic(s))	X Good		
Quality of the writing			
writing	Bad		
	☐ Needed		
	changes		
2/ Conclusions			
Question	Answer	Comments	Recommendations
Main positive points of		Very detailed	Neconimic nations
	heveloned and		
loffered by the training	•	1	
offered by the training	•	description on	
,	g	1	
Main weaknesses of t	g	description on	
,	g	description on	

		1	
Is the training ready	X Yes		
to be shared and	☐ No		
used? If no, please			
specify the			
necessary changes			

3 Conclusion

In this deliverable in total 33 training materials have been assessed by a project partner (as internal evaluator) and by an external evaluator.

In general feedback on the training is positive with some minor recommendations provided to improve the trainings, mainly related to adding some details, some information, or some more exercises to help students to practice on the topic.

In general, the materials provide is appropriate in terms of format, content, target group. The topics addressed are considered innovative, mainly dealing with industry 4.0 stales and challenges, and well realized to remain in the long run.