Specification

| **Training specification** | **Explanation** |
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| Organizer | OMILAB NPO (Germany)  |
| Training Topic | Conceptual Modeling: Methods, Tools and Application |
| Training objectives | Introduction to the foundation of conceptual modelling and metamodeling as a realization paradigm |
| Method | * Modeling Tools
* Model Interoperability
* Modeling Tool Implementation and Customization
 |
| Target groups | Any interested party |
| Recommended composition | Mix of jobs, abilities, gender, work experience |
| Recommended size of groups | 10 |
| Training duration | 3 hours |
| Mode of tutoring | Presentation and Demonstration |
| Mode of provision | Presentation and Demonstration |
| Tools and resources to be used (technological-support tools) | Classroom |
| Recommended preparation | None |
| Modes of working in teams | N/A |
| Communication and cooperation mode | Informal communication |
| Necessary abilities to tackle the tasks of open problems | Creativity, Group working and collaborative skills |
| Knowledge prerequisites  | None |

Competence

| **Competence specification** | **Explanation** |
| --- | --- |
| Knowledge and skills | The students acquire and understand the concept and purpose of conceptual modelling methods, tools and the capabilities of metamodeling as a realization approach for domain-specific tools |
| Professional competence | Knowledge management and engineering as a SOTA aspect in conceptual modelling |
| General objective | Guide the development and formulate the vision of model-based domain-specific approaches |

| **Module specification** | **Explanation** |
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| Teacher Name | OMILAB Team Member |
| Training Topic | Conceptual Modeling: Methods, Tools and Application |
| Training Code | OMILAB\_05 |
| Module Name | Conceptual Modeling: Methods, Tools and Application |
| Module duration | 1 h  |
| Module objective | * Modeling Tools
* Model Interoperability
* Modeling Tool Implementation and Customization
 |
| Mode of provision | Classroom |
| Laboratory structure | Time (min) | Objective | Performed by? |
| 60 min | Explain and showcase how modelers are support with open modeling tools, selection of the tool is based on background and field of classroom | OMILAB Team |
| 60 min | Interoperability: discussion on the interoperable nature of modelling, explanation on how different systems can be connected and harmonized (e.g HTTP requests, RDF Export, Social Media) | OMILAB Team |
| 60 min | Modeling Tool Implementation and Customization aspects are covered in the form of an introductory session on metamodeling and metamodel design – development and deploymdent | OMILAB Team |