Specification

| **Training specification** | **Explanation** |
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| Organizer | OMILAB NPO (Germany) |
| Training Topic | The Value of Conceptual Models |
| Training objectives | Introduce the value of conceptual modelling and purpose in an academic/research as well industrial context |
| Method | * Conceptual Modelling Aspects * Benefits of Modelling in Research/Academia: Observations * Benefits of Modelling in Industry: Observations |
| Target groups | Any interested party |
| Recommended composition | Mix of jobs, abilities, gender, work experience |
| Recommended size of groups | 10 |
| Training duration | 1 hours |
| Mode of tutoring | Presentation |
| Mode of provision | Presentation |
| 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 |
| 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 | The Value of Conceptual Models | | |
| Training Code | OMILAB\_04 | | |
| Module Name | The Value of Conceptual Models | | |
| Module duration | 1 h | | |
| Module objective | * Understand Conceptual Modelling and its Purpose * Discuss examples from academia/research and industrial application | | |
| Mode of provision | Classroom | | |
| Laboratory structure | Time (min) | Objective | Performed by? |
| 30 min | Introduction to the Conceptual Modelling | OMILAB Team |
| 30min | Observation in Academia and Research/Industry and Outlook/Research challenges | OMILAB Team |