DOME 4.0 First Hackathon

Dates: 18-19 January 2023
Meeting location: bi-rex, Via Paolo Nanni Costa 20, 40133 Bologna, Italy

Event organiser	Digital Open Marketplace Ecosystem (DOME) 4.0 Project, in partnership with SimDOME project
Type of Event	Hybrid (limited spaces for in-person meeting, save yours here)

Agenda Day 1 – Wednesday Jan 18th 2023

Item	Timing	Topic
		Session 1: Vocabularies, Taxonomies and Serialisation
1	09:00	Venue Open to Participants
2	09:15	Warm up session – introduction (CMCL and UCL)
3	10:15	Highlighting the role of semantics in data sharing (SINTEF)
	10:45	Coffee break
4	11:00	Interactive session on data management & digital marketplaces (UKRI)
5	11:30	Vocabularies, taxonomies, and serialisation for linked data (UKRI)
	12:15	Lunch break
		Session 2: TLO/MLOs and Industry Commons
6	13:15	Intro to TLO/MLO ontologies such as EMMO (UNIBO)
7	14:15	Guidelines for creating Ontologies (ENIT)
	14:45	Coffee break
8	15:00	Data FAIRness practice (UKRI, EPFL, ENIT)
9	16:10	Semantic enrichment: Connecting DCAT to EMMO (UNIBO, SINTEF and UCL)
10	16:40	Problem from Industry commons - data sharing and FAIRness (BOSCH)
11	17:00	End of day 1

Agenda Day 2 – Thursday Jan 19th 2023

Item	Timing	Topic
		Session 3: SimDOME – Materials and Manufacturing
1	08:45	Venue Open to Participants
2	09:00	Introduction to ontology-based frameworks via EMMC (GCL, SINTEF, UCL)
3	09:15	SimDOME Platform Overview (UNIBO)
4	09:30	SimPhoNy OSP Architecture + GUI (FRAUNHOFER)
5	10:00	SimDOME Architecture and APP Description (UNIBO)
6	10:20	SimDOME SDK (FRAUNHOFER)
	10:45	Coffee break
7	11:00	SimDOME APP Presentation and Run (FRAUNHOFER, UNIBO)
8	11:30	Exercise: YAML to CUDS to Wrappers to Engines (FRAUNHOFER, UNIBO)
	12:15	Lunch break
		Session 4: Data Sharing and Ontologies
9	13:15	OntoCommons tools to help out with DOME 4.0 (UPM)
10	13:45	Data sharing - Role of ontologies (SINTEF)
11	14:15	Cross-sector maritime air quality virtual sensor (CMCL)
	14:45	Coffee break
12	15:00	Use case from DOME 4.0 with Market4.0 (Netcompany-Intrasoft) - IDS overview - MARKET4.0 approach with IDS and DOME 4.0 integration - Use IDS to exchange data with a predefined IDS data source
13	17:00	Conclusions and end of Event