INODE EOSC Workshop

Meeting Date: June 1, 2022 10:00-12:15 CET

Meeting Location: Online in Zoom

Registration link: https://www.eventbrite.com/e/inode-eosc-workshop-tickets-331805809107

"Intelligent Open Data Exploration" (INODE) is an EU project, funded under Horizon 2020 (http://www.inode-project.eu/). The mission of INODE is to develop a unified, effective platform that provides extensive access to open datasets through natural language queries for a wide range of users from larger scientific communities to the public. The INODE solution is demonstrated in three significant use cases in the fields of Cancer Biomarker Research, Research and Innovation Policy Making, and Astrophysics.

Motivation: This workshop aims at bringing EOSC members to provide an insight into the INODE system, while integration and exploitation of INODE services will be promoted by EOSC-Future.

Structure of the workshop: The workshop will provide a comprehensive view on the current research status of INODE and how the INODE consortium is getting ready for the challenges ahead, till the completion of the INODE project in April 2023. Short presentations from the INODE use case providers will be intertwined with short demos from technical teams.

Program

10:00 - 10:05	Welcome to INODE (Kurt Stockinger, ZHAW, INODE Project Manager)
10:05 - 10:20	**INODE Use Cases**:
	• *Astrophysics* (Srividya Subramanian, Max Fabricius, MPI)
	• *Cancer Research* (Frederic Bastian, Tarcisio Mendes de Farias, SIB)
	• *Policy Making* (Guillem Rull, SIRIS)
10:20 - 10:40	Demos: **Data Exploration and Explanation in Natural Language** (NL):
	• *NL-to-SQL* (Kate Kosten, Yi Zhang, ZHAW)
	• *SQL-to-NL* (Stavroula Eleftheraki, George Katsogiannis, Athena)
10:40 - 11:20	Demos: **Interactive Data Exploration:**
	• *Query Builder* (Antonis Mandamadiotis, Athena)
	• *Multi Table Viewer* (Hendrik Lücke-Tieke, Fraunhofer)
	• *Query Recommendation* (Katerina Xagorari, Athena)
	• *Pipeline Operators* (Sihem Amer-Yahia, CNRS)
11:20 - 11:30	Q&A Session 1
11:30 - 12:00	Demos: **Data Integration and Knowledge Graphs:**
	• *Knowledge Graphs for Data Access* (Davide Lanti, Diego Calvanese, UNIBZ)
	• *Information Extraction, Database Enrichment and NL-to-Cypher* (Ellery Smith, ZHAW)
	• *Knowledge Graph Enrichment and Decision Support* (Dimitris Giagkos, Infili)
12:00 - 12:15	Q&A Session 2

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