

# Detailed Program

## Day 1 (Modeling: Context, Processes, Principles, CIDOC CRM, Ontology Editors)

- 09:05 - 09:15, Registration
- 09:15 - 10:00, **Welcome (FORTH, CCI), Week program, Logistics, Moodle, Round table introductions, Individual/Collaborative Project(s)** *Yannis Tzitzikas and school chairs*
- 10:00 - 10:30, **Introduction to Ontologies and Knowledge Graphs**, *Yannis Tzitzikas*
- 10:30 - 11:00 Coffee Break & Group Photo
- 11:00 - 12:00, **The New Documentation**, *Dominic Oldman*
- 12:00 - 13:00, **The Context of the CIDOC CRM**, *Dominic Oldman*
- 13:00 - 14:00 Lunch Break
- 14:00 - 14:30, **Tutorial on Ontology Editors (Protégé)**, *Yannis Marketakis*
- 14:30 - 15:30, **Hands-on: Use an ontology editor to document something** *Yannis Marketakis (TAs: Elias Tzortzakakis, Eleni Tsouloucha)*
- 15:30 - 16:00 Coffee Break
- 16:30 - 17:30, **Hands-on: Use CIDOC CRM to document something**, *Elias Tzortzakakis, Eleni Tsouloucha*
- 17:45 Close of Day 1

## Day 2 (Extending CIDOC CRM, CIDOC CRM Family Models)

- 09:00 - 10:30, **Building Dynamic CIDOC CRM Systems - a ResearchSpace case study**, *Dominic Oldman*
- 10:30 - 11:00 Coffee Break
- 11:00 - 12:30, **CIDOC CRM modeling principles, Family Models Overview (LRMoo, CRMsci, CRMarchaeo, CRMinf)**, *Athina Kritsotaki*
- 12:30 - 13:15, **Managing Terminologies and Thesauri**, *Lida Charami*
- 13:15 - 13:45, **BBT (plus BBTALK)**, *Eleni Tsouloucha*
- 13:45 - 14:30 Lunch Break
- 14:30 - 15:00, **Hands-on Thesauri**, *Lida Charami*
- 15:00 - 15:30, **Hands-on BBTALK** *Eleni Tsouloucha*
- 15:30 - 16:00 Coffee Break
- 16:00 - 17:00, **Hands-on: Use the CIDOC CRMbase and describe certain properties of an object in conceptual graphs**, *Athina Kritsotaki, Lida Charami*
- 17:00 - 17:45, **Hands-on: Choose sentences from a historic text and represent these in conceptual graphs**, *Athina Kritsotaki, Lida Charami*
- 17:45 Close of Day 2
- 20:15 Social Dinner

## Day 3 (Access Services over CIDOC CRM, Queries, FCR, QA)

- 09:30 - 10:00, **The spectrum of access services over CIDOC CRM Data**, *Yannis Tzitzikas*
- 10:00 - 10:30, **Introduction to the query language SPARQL**, *Yannis Tzitzikas*
- 10:30 - 11:00 Coffee Break
- 11:00 - 11:30, **Introduction to the query language SPARQL (cont)**, *Yannis Tzitzikas*
- 11:30 - 12:00, **Hands-on: Querying DBpedia/Smithsonian KGs through SPARQL**, *Michalis Mountantonakis*
- 12:00 - 13:00, **Querying Semantic Networks: Fundamental Categories & Fundamental Relationships**, *Maria Theodoridou*
- 13:00 - 14:00: Lunch Break
- 14:00 - 14:45, **Hands-on: Using the A-QUB system (over FEPIB data)**, *Pavlos Fafalios*
- 14:45 - 15:30, **Querying SEALIT data through ResearchSpace**, *Anastasia Axaridou*
- 15:30 - 16:30 Coffee Break and Work for the individual projects
- 16:30 - 17:30, **Hands-on: Querying SEALIT data through ResearchSpace**, *Anastasia Axaridou*
- 17:30 Close of Day 3

## Day 4 (Data Transformation for CIDOC CRM: X3ML, and AI)

- 09:15 – 10:30, **Transforming Data to CIDOC CRM through X3ML**, *Maria Theodoridou, Yannis Marketakis*
- 10:30 – 11:00 **Coffee Break**
- 11:00 – 13:00, Hands-on session: **X3ML**, *Maria Theodoridou, Yannis Marketakis*
- 13:00 – 14:00 **Lunch Break**
- 14:00 – 14:15, **CIDOC CRM, Machine Learning and AI: Overview**, *Yannis Tzitzikas*
- 14:15 – 14:30, **1st Panhellenic Student Competition in Artificial Intelligence and 2nd International Olympiad in AI**, *George Angelakis*
- 14:30 – 15:00, **CIDOC CRM and AI for Queries**, *Michalis Mountantonakis*
- 15:00 – 15:30, Hands-on: **CIDOC CRM and AI for Queries**, *Michalis Mountantonakis*
- 15:30 – 16:00 **Coffee Break**
- 16:00 – 16:15, **CIDOC CRM, Text and AI**, *Michalis Mountantonakis*
- 16:15 – 16:30, Hands-on: **CIDOC CRM, Text and AI**, *Michalis Mountantonakis*
- 16:30 – 16:45, **The CIDOC CRM Data Portal**, *Michalis Mountantonakis*
- 16:45 – 17:15, **CIDOC CRM, X3ML mappings and AI**, *Yannis Marketakis*
- 17:30 Close of Day 4

## Day 5 (Case Studies of CIDOC CRM Use: National, EU and International projects, Discussion, Synergies)

- 09:15 – 10:00, **Deltos Transcriber (AI-driven extraction of information from old newspapers and publish them as CIDOC CRM descriptions)**, *Nikos Kontonasios*
- 10:00 – 10:30, **Synthesis (how CIDOC CRM can guide the creation of advanced information systems) and its applications in National Projects**, *Dimitris Angelakis*,
- 10:30 – 11:00 **Coffee Break**
- 11:00 – 1:00, **Related National/European Projects**
  - **Ricontrans (History of Art / ERC project) (15')**, *Pavlos Fafalios*
  - **Messara Museum (Documenting Museum Artefacts) (15')**, *Pavlos Fafalios*
  - **FEPIB (History of Feminism) (15')**, *Pavlos Fafalios*
  - **SeaLiT (Maritime History / ERC project) (20')**, *Pavlos Fafalios*
  - **Adiadne Plus (EU INFRA) (15')**, *Maria Theodoridou*
  - **ECHOES (EU INFRA) (15')**, *Maria Theodoridou*
- 13:00 – 14:00 **Lunch Break**
- 14:00 – 15:30, **Brainstorming session**
  - Time for reflecting on your individual projects, presentation of these projects, brainstorming for collaborative projects
- 15:30 – 16:00 **Coffee Break**
- 16:00 – 17:00, **Next Steps, Feedback**
- 17:00 Close of Day 5