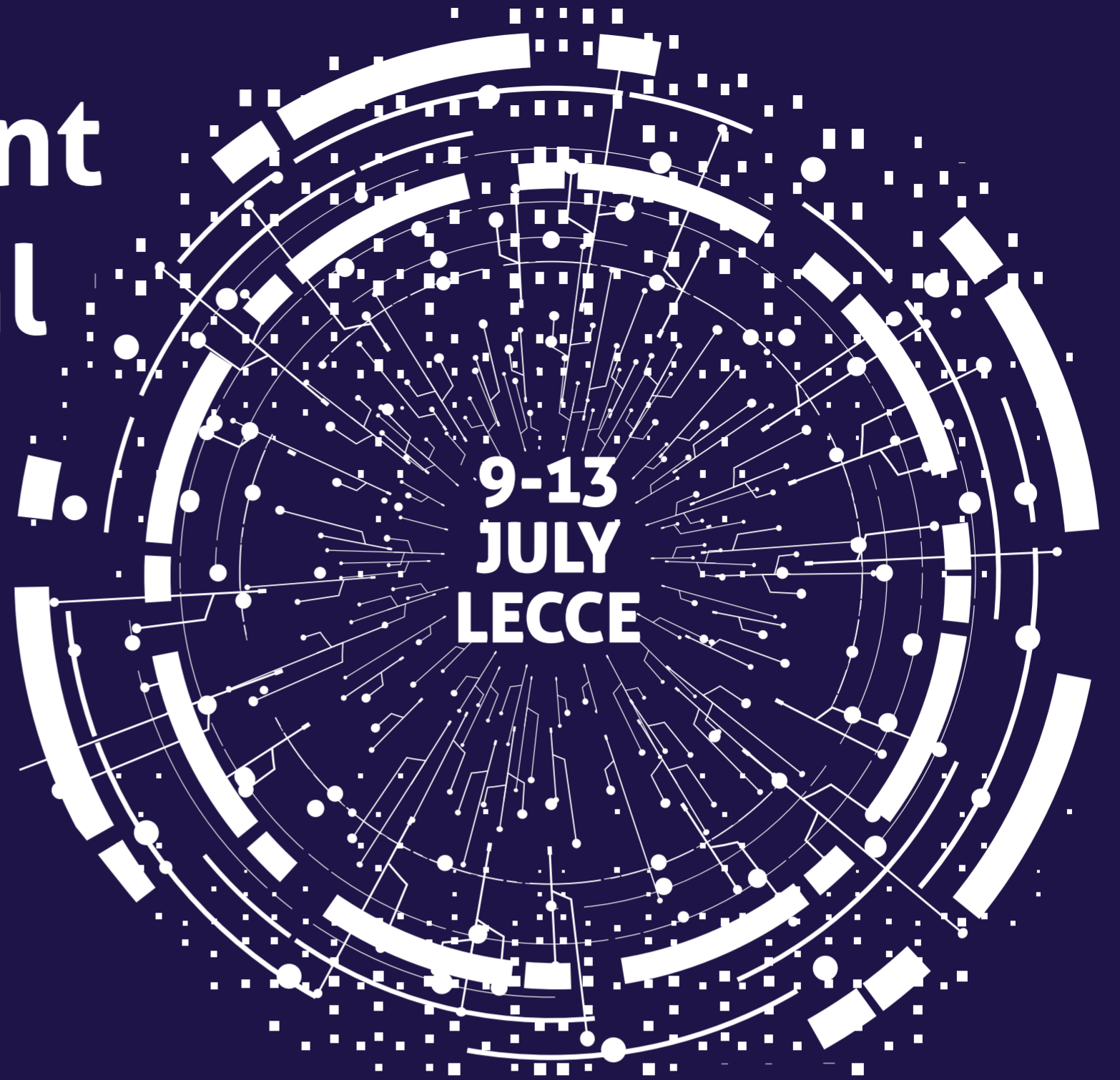


# INTERNATIONAL SUMMER SCHOOL

## Data Management in Environmental & Earth Science Infrastructures



### Lecce, Studium 2000, BUILDING 6, Room 1/C1

#### Monday, 9 July 2018

*Data Management in a nutshell:  
Reference models for environmental sci-  
ence research infrastructures,  
and research metadata semantics*

11:00-11:15 Welcome address  
11:15-12:45 Data management introduction  
and ENVRI reference model - Zhao  
12:45-14:00 Light lunch  
14:00-15:30 Semantics and semantic tech-  
nologies for research infrastructure - Martin  
15:30-16:00 Coffee break  
16:00-18:00 Practical session - Zhao, Martin

#### Thursday, 12 July 2018

*Cataloguing and Provenance*

09:00-10:30 How to make research data  
searchable and findable - Martens  
10:30-11:00 Coffee break  
11:00-11:45 Basic aspects on data prove-  
nance - Magagna  
11:45- 12:30 Hands-on Provenance with  
Jupyter, Python & Semantic Technologies -  
Stocker  
12:30-14:00 Lunch  
14:00-15:30 Practical session 1 - Martens,  
Tagliolato, Oggioni  
15:30-16:00 Coffee break  
16:00-17:30 Practical session 2 - Stocker

#### Tuesday, 10 July 2018

*Data processing on e-Infrastructure*

09:00-09:50 Virtual infrastructure for data  
science - Zhao  
09:50-10:30 - Cloud services on European  
e-Infrastructures & introduction of Jupyter -  
La Rocca  
10:30-11:00 Coffee break  
11:00-11:45 Introduction to R - Toma  
11:45- 12:30 Introduction to Virtual Lab &  
Workflow - Fiore  
12:30-14:00 Lunch  
14:00-15:30 Practical session 1 - La Rocca,  
Koulouzis  
15:30-16:00 Coffee break  
16:00-17:30 Practical session 2 - Fiore,  
Tagliolato, Manca, Stanca

#### Friday, 13 July 2018

*Use case: Data Management  
in LifeWatch Italy*

09:00-10:30 LifeWatch Italy Data Portal: data  
acquisition, quality control, data annotation  
and metadata creation through thesauri -  
Rosati, Bergami  
10:30-11:00 Coffee break  
11:00-12:30 LifeWatch Italy core ontology -  
Fiore

#### Wednesday, 11 July 2018

*Data identification*

09:00-10:30 - Identification and citation  
across the research data lifecycle 1 -  
Hellström  
10:30-11:00 Coffee break  
11:00-12:30 Identification and citation  
across the research data lifecycle 2 -  
Hellström  
12:30-14:00 Lunch  
14:00-15:30 Practical session 1 - Hellström  
15:30-16:00 Coffee break  
16:00-17:30 Practical session 2 - Hellström



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