

INTERNATIONAL SUMMER SCHOOL

Data Management in Environmental & Earth Science INFRASTRUCTURES *Theory & Practice*



In recent years, one of the major challenges in the Environmental and Earth Science has been managing and searching larger volumes of data, collected across multiple disciplines. The ENVRiplus project investigated a collection of more than 20 representative environmental research infrastructures (RIs) from different areas. By examining these research infrastructures and their characteristics, a common data lifecycle was identified. The data lifecycle is structured in five phases: Data Acquisition, Data Curation, Data Publishing, Data Processing and Data Use.

Many different standards, approaches, and tools have been developed to support the Data Lifecycle. In particular, modern semantic technologies provide a promising way to properly describe and interrelate different data sources in ways that reduce barriers to data discovery, integration, and exchange among biodiversity and ecosystem resources and researchers.

The course is built as a five-day summer school providing a unique insight into the contemporary debate on Data Management in the environmental and earth sciences. Five leading scientists will address this topic from different angles, attempting to gather what we consider the most interesting perspectives of our time.

We offer a cutting edge and high-quality programme, aimed at fostering a rich and lively intellectual exchange.

The International Summer School on “**Data Management in Environmental and Earth Science Infrastructures: theory and practice**” is organized by ENVRiplus project in collaboration with LifeWatch e-Infrastructure.

WHO CAN APPLY

The school is mainly addressed to staff working in the relevant international research infrastructures. The school is also open to PhD students and Post-Docs. Master students about to start a Doctorate will be accepted. **(max 20 participants)**

WHEN & WHERE

9-13 July, 2018 University of Salento, Lecce, Italy

COURSE STRUCTURE

The school will be organized in front lessons (in the morning) and workshop sessions (in the afternoon). The main modules are:

- Day 1: Data Management in a nutshell
- Day 2: Data processing on e-Infrastructure
- Day 3: Identification and citation
- Day 4: Cataloguing and Provenance
- Day 5: Use cases

CONTACTS

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VENUE

The Summer School will take place in the city campus of University of Salento, in Building 6 of Studium 2000. Studium 2000 is located at walking distance from the old town and airport bus stop.

Address: Room 1/C1, Building 6, Studium 2000, corner V.le San Nicola, Via di Valesio, 73100 Lecce

REGISTRATION

The registration form is available on the Summer School website at this address: <http://www.servicecentrelifewatch.eu/envriplus-lifewatch-iss-data-management-registration-form>.

Please note, that accepted participants will be notified by mail.

TRAVEL

From Brindisi Airport:

Approximate distance: 50 km

By Bus: Take bus COTRAP (the bus stop is on the right of arrival area). The bus takes about 40 minutes and it stops to Lecce at the Foro Boario/City Terminal.

By Air-Shuttle: Shuttle service specialised in transporting passengers to and from Brindisi Airport and their Hotels with rates of 20 euros. You can book your transportation online at www.airshuttle.it.



From Bari Airport:

Approximate distance: 150 km

You should take the train from the airport to the central train station and then take the train to Lecce (please visit <http://www.trenitalia.it> to check the time schedule).

ACCOMMODATION

Special Room Rates University of Salento:

Grand Hotel Tiziano e dei Congressi: It is ideally located next to the airport bus stop and Summer School venue. The old town is at 10' walking distance.

To book at our special fares, please state "University of Salento" when you book: <http://www.grand-hoteltiziano.it/>

B&B located in the old town:

- 1) www.palazzorollo.it
- 2) www.maliabb.com
- 3) www.dimorebernardini.com
- 4) www.centrostoricolecce.it
- 5) www.bebpaisiello.it
- 6) www.lacortebeb.it
- 7) www.palazzodeidondoli.it

