

## EUDAT & Research Data Management Summer School

3 - 7 July 2017, Heraklion, Crete, Greece

### OVERVIEW

EUDAT offers common data services, supporting multiple research communities as well as individuals, through a geographically distributed, resilient network of 35 European organisations. These shared services and storage resources are distributed across 15 European nations and data is stored alongside some of Europe's most powerful supercomputers. The EUDAT services address the full lifecycle of research data, from deposit to access, including informal data sharing, long-term archiving and access for computation. They enable data identification and discovery and apply to big-data as well as long-tail collections.

From 3-7 July 2017, EUDAT is organizing a Summer School to introduce early-career researchers to the principles and tools needed for careers in data intensive science and data management. The course is applicable to those working with big data, as well as researchers from less data-intensive communities. In collaboration with other pan European e-Infrastructures, this intense training course will provide attendees with a better understanding of the European e-Infrastructure landscape, the different tools and services offered by them, and how they can be used to improve the quality of your research outputs.

### SUMMER SCHOOL VENUE

The EUDAT Summer School is kindly hosted by the [Information Systems Laboratory \(ISL\)](#) and **Institute of Computer Science (ICS) of the Foundation for Research and Technology - Hellas (FORTH)**, in Heraklion, Crete.

#### How to get there:

The venue is located at Nikolaou Plastira 100, Vassilika Vouton GR - 711 10, Heraklion, Crete, Greece



#### About FORTH:

The Foundation for Research & Technology - Hellas (FORTH) is a research centre supervised by the Ministry for Education through its General Secretariat for Research and Technology. Although its seven research institutes are located in various cities of Greece, its headquarters, as well as the central administration offices, are located in Heraklion, Crete.

For further information visit [FORTH's website](#).

## WHAT ARE THE GOALS AND LEARNING OBJECTIVES?

The focus of this Summer School is on Data Management and using EUDAT data services. We will demonstrate how these services, as well as services provided by other e-infrastructures, can be used throughout the Data Lifecycle. We will illustrate established research processes from different communities and how they are enabled with these services. Attendees will understand how the international e-infrastructures, which originate in different fields of research, are building blocks to allow a more integrated solution to meet their needs. Attendees are expected to actively explore data services; we will provide some individual guidance.

Attendees at the summer school will be able to answer the following questions by the end of the course:

- *“I am a researcher and would like to know which services could help me during different phases of my research, and under which conditions I can use the services.”*
- *“As a scientist on a data intensive project, I need to understand how to make use of e-infrastructures for the analysis, curation and provenance of my results, and how to publish the data to make it accessible for other researchers.”*
- *“There are so many data services around; how can I set up and carry out my data management?”*

The topics covered by the Summer School are:

- The Research Data Lifecycle
- The FAIR Data Concept
- Writing a Data Management Plan
- The EUDAT Service Suite Overview
- High Performance Computing (HPC) Programming Models
- Using the EGI Federated Cloud for Data Analysis
- Linking HPC to Data Management
- Open Data and Cross-disciplinary Research
- Long Term Data Curation

### WHO SHOULD APPLY?

The target audience is primarily early-career researchers from any research community, interested in furthering their careers in the fields of data management, data science or digital preservation. Data managers interested in the integration of EUDAT solutions are also invited to apply.

## APPLICATION & EVALUATION CRITERIA FOR ATTENDING THE SUMMER SCHOOL

The applicants should satisfy the following criteria:

- Currently engaged in Masters, PhD or Post Doc studies with a strong focus on data management, data science and/or data preservation
- Affiliation or project is based in Europe
- Proficient oral and spoken English, to actively participate in the Summer School: all lectures and sessions will be in the English language
- A good understanding of the UNIX command line interface (mandatory)
- Experience of programming (mandatory), preferably in python (recommended) - note the programming elements of the school will be taught in python.

Applicants should also explain the relevance of their work in reference to the EUDAT research data management services activities, as expressed by the applicant in answer to the questions related to current and future benefits and follow-up activities. Applications will be evaluated by the EUDAT Training team and

a group of external experts according to the following criteria:

- Area of interest (as broad a coverage of data management as possible)
- Alignment of current research to EUDAT vision (see below) - 40%
- Impact of possible adoption of EUDAT services within research field - 30%
- Alignment of Research Field with Horizon 2020 Vision - 25% (the applicant does not need to provide details; this will be judged by the evaluation panel)
- Letter of Recommendation - 5%
- Geographical balance (to establish a good European representation in the selection)
- Gender balance (to establish a good gender balance in the selection)

Each criterion will be given a score between 1 and 5 and the score will then be weighted according to the above percentages. In cases where applicants have equal scores, gender and geographical balance will be taken into account. The Horizon 2020 vision can be found at <http://2020visionnetwork.eu/horizon2020/>.

### FINANCIAL CONTRIBUTION

A total of 40 attendees will be accepted and two different scholarships are being offered:

1. **FULL SCHOLARSHIP** – COVERS TRANSPORT / TRAVEL, ACCOMMODATION AND OTHER COSTS (AS DETAILED BELOW) COSTS FOR THE **10** HIGHEST SCORING APPLICANTS
  2. **PARTIAL SCHOLARSHIP** – COVERS ACCOMMODATION AND OTHER COSTS (AS DETAILED BELOW) – TRAVEL COSTS ARE TO BE BORNE DIRECTLY BY TRAINEE
- Hotel accommodation: accommodation costs including breakfast and dinner will be covered for a maximum of 6 nights at the Summer School chosen hotel.
  - Other costs: all coffee breaks and lunches for all days of the training course and 2 social events will be paid by EUDAT.
  - Transport (For full scholarships only):
    - Air / Train – Return economy fares; where possible please make use of lower cost and/or special offers.
    - Public Transport – Wherever possible we recommend using public transport; costs for travelling in taxi can be compensated in special cases which must be clarified beforehand.
    - In accordance with reimbursement rules you will be expected to pay transport costs in advance and submit a reimbursement claim including all original documentation immediately after the event.
  - No other expenses will be reimbursed. It is recommended that attendees purchase their own insurance, i.e. a health insurance.

**Note: in all cases attendees will be required to pay the costs in advance and will be reimbursed by Trust-IT Services Ltd. (EUDAT Communications Manager) upon receipt of all documentation. Specific reimbursement guidelines and templates will be provided.**

### HOW TO APPLY?

Fill in the online form here: <https://eudat.eu/eudat-rdm-summer-school-application-form>

**Deadline for submissions: Monday April 17<sup>th</sup> 2017, 23:59 CEST.**