

2nd EPOS Summer School

28 June - 4 July 2026 | Espai Cràter | Olot, Spain

DAY 0 - Sunday 28 June

Travel Day | Arrival to Olot

DAY 1 - Monday 29 June

9.30-10.30 Community Standards and Ice Breaker

10.30-11.30 Coffee break: Digital Café + Networking

11.30-16.00 Foundations of Data / Open Science and FAIR Principles / Data Regulation

11.30-12.15 The research data lifecycle: phases and actors; introducing FAIR and Open Science key concepts

12.15-13.00 Stories about metadata: introduction, types, role, elements

13.00-14.00 Lunch break

14.00-15.00 The role of (domain) repositories for Open Science and how can they help you in making your data FAIR

15.00-16.00 The rules of data sharing introduction to research data sharing regulations in Europe (and elsewhere)

16.00-16.30 Coffee break

16.30-19.15 Foundations of Data / Open Archives + Data Portals / Ethical, Legal, & Social Issues

16.30-17.15 Data, repositories, portals: interactive session on search strategies

17.15-17.45 Data standards and formats in the geoscience community

17.45-18.30 Understanding the Ethical dimension of producing, using and openly distributing geoscientific data: guided discussion

18.30-19.15 Understanding and applying the CARE principles

DAY 2 - Tues 30 June

9.30-11.30 EPOS: The Research Infrastructure

9.30-10.00 Differential SAR Interferometry: Principles, Techniques and Applications.

10.00-10.30 Ground Displacement monitoring of Volcanoes and Earthquakes via Spaceborne DInSAR systems to support Civil protection Activities

10.30-11.00 Introducing EPOS: Europe's unique Research Infrastructure for solid Earth science

11.00-11.30 Coffee break

11.30-16.30 EPOS: The Research Infrastructure / Using Research Infrastructures for Geoscience

11.30-12.15 The Data Lifecycle in EPOS

12.15-13.00 Getting Started with the EPOS Platform: Navigation & Core Workflows

13.00-14.00 Lunch break

14.00-15.00 EPOS Data Supply: The Community Model, Its Gaps and Constraints

15.00-15.30 Introduction to the EPOS Platform

15.30-16.30 Exercise using EPOS Platform: Hands On Training

16.30-17.00 Coffee break

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DAY 2 - Tues 30 June *cont.*

- 17.00-18.00 Group Work: Using Research Infrastructures for Geoscience – The EPOS Platform
- 18.00-18.30 Technical part of Workshop EPOSAR Services
- 18.30-19.00 Visualization and data discovery using AI

DAY 3 - Wed 1 July

9.00-16.00 *Data Analysis and Automation*

- 9.00-9.30 Analysis of multidisciplinary data using Jupyter Notebooks - scientific use case
- 9.30-10.30 Interacting with EPOS Data and Services: Basic Workflows in JupyterLab

10.30-11.00 Coffee break

- 11.00-11.30 Linking EPOS platform with different distributed Research Infrastructures to investigate Climate–Seismicity interactions in a changing climate

- 11.30-12.30 Group Work on Data Analysis and Automation

12.30-14.00 Group photo + Headshots + Lunch at 13:00

- 14.00-15.00 Introduction to Machine Learning

- 15.00-16.00 Machine Learning techniques applied to Earth Science

16.00-18.30 Volcanic Excursion + Museum Guided Tour

20.30-22.00 Group dinner

DAY 4 - Thurs 2 July

9.30-19.30 *Group Work on Creating Use Cases*

- 9.30-11.00 Students will break-off into groups to work together for their final group presentation

11.00-11.30 Coffee break

- 11.30-13.00 Students will break-off into groups to work together for their final group presentation

13.00-14.00 Lunch break

- 14.00-16.30 Students will break-off into groups to work together for their final group presentation

16.30-17.00 Coffee break

- 17.00-19.30 Students will break-off into groups to work together for their final group presentation

DAY 5 - Fri 3 July

9.30-19.30 *Group Work on Creating Presentation & Scripts of Use Cases, Presenting, & Discussion*

- 9.30-11.00 Students will break-off into groups to work together building pptx and script their final group presentation

11.00-11.30 Coffee break



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DAY 5 - Fri 3 July cont.

11.30-13.00 Students will break-off into groups to work together building pptx and script their final group presentation

13.00-14.00 Lunch break

14.00-16.30 Presentation of Use Cases and Discussion

16.30-17.00 Coffee break

17.00-19.30 Presentation of Use Cases and Discussion

DAY 6 - Sat 4 July

9.00-11.00 *Closing Session*

9.00-11.00 Closing Session / Final Items

11.00 *Depart Olot*

OPTIMIZATION AND EVOLUTION



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