

EPOS Days 2025

17-20 March 2025 - Hotel Gio - Perugia – Italy

OPTIMIZATION AND EVOLUTION

Welcome Reception – Monday 17 March 19.30-22.00

An informal evening welcome event with food and drinks—a chance to (re)connect, network, and enjoy.

Day 1 – Tuesday 18 March

08.45-09.30 Welcome and registration

Introducing EPOS

This session is connected to EPOS ON activities in WP1 and WP6

Session Chairs:

G. Maracchia, F. Galeazzi

09.30-10.00 What is EPOS, and how does it work?

Lilli Freda

10.00-10.30 EPOS: a community perspective

Gaetano Festa

10.30-10.45 Getting involved with EPOS

Interactive presentation

10.45-11.30 Coffee break

Early Career Researchers

This session is connected to EPOS ON activities in WP4

Session Chairs:

K. Sigloch, F. Tanlongo

11.30-12.30 Challenges presented by Early Career Researchers


Flash presentations from ECR

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| • Castanhao Reservoir-Triggered Seismicity - a new EPISODE on EPOS EPISODES Platform | H. Ciechowska, TCS AH |
| • Seismic Hazard Assessment and GMPE Development for Natural and Anthropogenic Seismicity in Poland | S. Kanti Maiti, TCS AH |
| • The World Data Centre For Geomagnetism, Edinburgh | O. Chambers, TCS GEOM |
| • Application of the Magnetotelluric Method for Investigating Tectonic Structures and Hydrothermal Systems in the Sofia Basin | D. Hristova, TCS GEOM |
| • Magnetotelluric data helps in assessing geophysical risks for power grids | M. Kellinsalmi, TCS GEOM |
| • EPOS Platform, services and central database | P. Primerano, TCS GIM |
| • Evaluating the Performance of Java Application Caches in EPOS GNSS Data and Products Portals | V. Senra, TCS GNSS |
| • An automatic ML workflow for microseismicity characterization at the Irpinia Near Fault Observatory | F. Scotto di Uccio, TCS NFO |
| • Seismic monitoring with DAS at the Irpinia Near Fault Observatory | C. Strumia, TCS NFO |
| • 10 years of Sentinel-1 DInSAR coseismic products at a Global scale | F. Monterroso TCS SATD |
| • Further exploitation of EPOSAR InSAR data for ICS-D implementation | M. Occhipinti, TCS SATD |
| • Comparing the 2020 European Seismic Hazard Model (ESHM20) with ShakeMap Footprints: application in Greece | N. Anterriotis-Kalpakidis, TCS SEIS |
| • A workflow to analytically investigate seismogenic sources of historical earthquakes: new insights from Central Italy pre-instrumental seismicity | V. Gironelli, TCS-SEIS |
| • Multiscale, Multihazard assessment from field-based and remote sensing data | P. Marincioni, TCS SEIS |
| • Global Tsunami Model (GTM) Probabilistic Tsunami Hazard Assessment (PTHA) and the Relation with EPOS Services | H.B. Bayraktar, TCS TSU |
| • Agent-based Probabilistic Tsunami Evacuation Modeling and the potential future EPOS integration | S. Soltani, TCS-TSU |
| • Making Icelandic GNSS Data EPOS-Compliant: Challenges and Solutions | H. M. Fridriksdottir, TCS VO |
| • Integrating high-resolution, small scale imagery into EPOS | D. Jessop, TCS VO |
| • And yet it moves: Innovative field laboratories for landslide monitoring and modelling | G. Grechi, Ground Instability |

12.30-13.30 Works presented by Early Career Researchers

Posters & networking

>> day 1 afternoon programme on next page

 <https://events.epos-eu.org/event/21/> | communication@epos-eric.eu

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<< day 1 morning programme on first page

13.30-15.00 Lunch break

Thematic Core Services

This session is connected to EPOS ON activities in WP2 and WP3

Session Chairs:

O. Lange, A. Scala, G. Festa

15.00-16.00 Flash pitches from the TCS, focussing on TCS news, objectives for the next 12 months, and collaboration opportunities

- TCS Anthropogenic Hazards: the path to scientific excellence in AH research
- TCS Geomagnetic Observations: Looking into the future
- TCS Geological Information and Modelling: Recent Achievements and Perspectives
- TCS GNSS Data and Products: Activities and Ambitions
- TCS Multi-Scale Laboratories
- TCS Near Fault Observatories: HR Data and HL scientific products for Science
- TCS Satellite Data: Mission and Perspectives
- TCS Seismology
- One year of TCS Tsunami and outlook into the global perspective
- TCS Volcano Observations

Flash presentations from TCS

Anna Lesnodorska
Maxim Smirnov, Juliane Hubert
Marc Urvois
Rui Fernandes
Ronald Pinjeburg
Alexandru Marmureanu
Michele Manunta
Carlo Cauzzi
Marinos Charalampakis,
Stefano Lorito
Giuseppe Puglisi

16.00-17.30 TCS Meet & Greet

Interactive session with drinks and refreshments

17.30-18.00 Brief reports by rapporteurs

Flash presentations

Day 2 – Wednesday 19 March

International Collaboration

*Session Chairs: C. Bruyninx,
J. Fonseca, H. Glaves*

This session is connected to EPOS ON activities in WP5

09.00-09.05	Setting the scene	Helen Glaves
09.05-09.20	EarthScope Consortium	Rebecca Bendick
09.20-09.35	AuScope's Downward Looking Telescope and some thoughts on an Earth Science GRI from down-under	Tim Rawling
09.35-09.50	GNS Science Te Pū Ao and its GeoNet programme: a multi-peril, multi-domain open data infrastructure	Elisabetta D'Anastasio
09.50-10.05	EU LAC RESINFRA PLUS – A sustainable bi-regional collaboration in Research Infrastructures	Sabina Guaylupo
10.05-10.20	EPOS-Africa Cooperation on Geo-Hazard Risk	Gatkuoth Kai
10.20-10.30	Q&A	Interactive session

10.30-11.15 Coffee Break

New services and communities

Session Chairs:

This session is connected to EPOS ON activities in WP2 and WP3

F. Romano, J. Michalek

11.15-11.25	WP2 and 3: overview of new communities and services in EPOS ON	Fabrizio Romano
11.25-11.40	EuroGeographics: Connecting you to maps, geospatial and land information for Europe	Carol Agius
11.40-11.55	Muography: Non-conventional joint measurements for groundwater monitoring at the LSBB	Ignacio Lázaro Roche
11.55-12.10	Big is beautiful - Geo-Energy Test Beds	Susanne Laumann
12.10-12.25	Natural Field Laboratories as a tool for ground instabilities' AI-Twins	Salvatore Martino
12.25-12.40	Gravimetry	Sébastien Merlet
12.40-12.55	Built Environment Data: progress & updates	Rui Pinho
12.55-13.30	Discussion and Q&A	Discussion and Q&A

13.30-15.00 Lunch break

EPOS in the national landscapes

*Session Chairs: L. Freda,
D. Mercurio, M. I. Fredella*

This session is connected to EPOS ON activities in WP6

15.00-16.00 Presentations (Case Histories)

EPOS-FI – a path to the Finnish Research Infrastructure (FIRI)	Annakaisa Korja
Roadmap for the Solid Earth Sciences	
EPOS-eNLarge: building further on the Dutch infrastructure for solid Earth sciences	André Niemeijer
EPOS-SI consortium and Slovenian Research and Innovation Agency	Stanka Sebelja
EPOS-PL: research infrastructure, achievements and prospects	Marek Lewandowski
France: the EPOS-FR node	Karin Sigloch
Romania: a Multi-disciplinary National Research Infrastructure	Alexandru Marmureanu
Advancing FAIRness and National Collaboration in Geosciences: The Role of EPOS-Spain in Open Science	Adelina Greyer Traver

16.00-16.45 Panel discussion

Cross-Countries Collaboration Meet & Greet

This session is connected to EPOS ON activities in WP5 and WP6

16.45-18.30	Meet & Greet with national nodes and consortia and international Research Infrastructures	Interactive session with drinks and refreshments
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Day 3 – Thursday 20 March

Technical challenges, opportunities and solutions

This session is connected to EPOS ON activities in WP2 and WP3

09.00-11.00		Navigating the ICS-D Landscape	<i>Session Chairs: D. Bailo, J. Michalek</i>
09.00-09.25	Introduction of ICS-D architecture		Daniele Bailo
09.25-09.40	Report from recent Sponsored Research Activity		Luca Trani
09.40-10.10	Examples of cross-disciplinary community notebooks Presentations and demonstrations		Fatemeh Jalayer, Jan Michalek
10.10-10.45	New prototypes of ICS-D: Processing Service Simulation Data Lake Workflows HPC usage ICS-D developments within the EPOS ON project		Francesco Martinelli L. Lampariello, D. Crisante Marco Salvi Stefano Lorito Joanna Kocot
10.45-11.30 Coffee break			

11.30-13.00		New developments in ICS-TCS	<i>Session Chairs: R. Paciello, J. Michalek</i>
11.30-12.00	Backoffice tool – with interactive demo		Daniel Warren
12.00-12.20	Summary of development topics		Jan Michalek
12.20-13.00	Challenges ahead		Discussion
13.00-14.30 Lunch break			

Service Coordination Committee Open Session

This session is connected to EPOS ON activities in WP4 and WP6

		<i>Session Chair: G. Festa</i>	
14.30-14.40	Insights from the User Feedback collected in training sessions	Jan Michalek	
14.40-14.50	Early Career Researchers use cases: challenges and solutions gathering from the ECR's presentations during Day 1	Helena Ciechowska	
14.50-16.00	Cross-TCS collaboration ideas: presenting and prioritising ideas for potential collaborations between two or more TCS, gathering from discussions during the TCS Meet & Greet	Andrey Babeyko, Fatemeh Jalayer	
16.00 - 16.30	Open discussion and wrap up	Gaetano Festa, Otto Lange	
16.30-17.00 Coffee break			
17.00-19.00	Service Coordination Committee Meeting	(Closed session)	