



# PROGRAMME

## MONDAY 16/3

**8:30 - 9:00**  
Registration, Welcome, Poster Set-up  
**Venue 1**

**9:00 - 9:45**  
Opening Speeches

- Prof. Konstantinos Karantzalos, General Secretary, Hellenic Ministry of Digital Governance & NTUA
- Prof. Matthaios Papavasiliou, Dean, School of Architecture, NTUA
- Prof. Vassilia Karathanassi, NTUA
- Asst. Prof. Ioannis Papoutsis, NTUA
- Dr. Nuno Carvalhais, Group Leader at Max Planck Institute for Biogeochemistry
- Dr. Conrad Philipp, Unit Coordinator, ELLIS Unit Jena

**Venue 1**

**9:45 - 10:30**  
Keynote

**“Early Warning of Complex Climate Risk - AI challenges and opportunities”**

Prof. Markus Reichstein  
Max Planck Institute for Biogeochemistry

**Venue 1**

**10:30 - 11:00**  
Coffee Break  
**Venue 1**

**11:00 - 11:45**  
Keynote

**“Building the Planetary Data Layer: AI and the Rise of the Observable Earth”**

Martin Langer  
CEO, OroraTech

**Venue 1**

**11:45 - 12:30**  
Group Work Intro  
**Venue 1**

**12:30 - 14:00**  
Lunch & Poster Session  
**Venue 1**

## TUESDAY 17/3

**8:30**  
Departure from Athens City Centre  
(Metro Omonoia)

**9:30 - 9:45**  
Arrival to Lavrion

**9:45 - 10:30**  
Beach Walk

**10:30 - 11:00**  
Coffee Break

**11:00 - 11:45**  
Keynote

**“AI for Earth at Scale: From Scientific Breakthroughs to Societal Impact”**

Sabrina Ricci  
AI Ecosystem Coordinator, ESA phi-lab

**11:45 - 12:30**  
Keynote

**“Foundation models and their adaptation to earth observation”**

Assistant Prof. Maria Vakalopoulou  
Universite Paris-Saclay

**12:30 - 12:45**  
Presentation

**“Building the future on the ruins of the past”**

Assimakis Chadoumellis  
LTCP Site Manager

**12:45 - 14:15**  
Lunch & Venue Tour

**14:15 - 15:00**  
Keynote

**“Predicting and projecting the global carbon cycle and ocean compound extremes”**

Dr. Hongmei Li  
Senior Research Scientist, Hamburg & Helmholtz Centre Hereon

## WEDNESDAY 18/3

**8:30 - 9:00**  
Attendance & Poster Set-up  
**Venue 1**

**9:00 - 9:45**  
Keynote

**“Beyond XAI: Causal Reasoning for Trustworthy Geoscience AI”**

Prof. Gustau Camp-Valls  
University of Valencia

**Venue 1**

**9:45 - 10:30**  
Keynote

**“Responsible AI in EO: Aligning Data, Models, and Principles”**

Prof. Pedram Ghamisi  
Helmholtz-Zentrum Dresden-Rossendorf

**Venue 1**

**10:30 - 11:00**  
Coffee Break  
**Venue 1**

**11:00 - 12:30**  
Zero2Hero Sessions

**“Datacubes”**

Dr. Mohanad Albughdadi  
ECMWF

**Venue 1**

**“Hybrid modeling and parameterization ocean models”**

Dr. Said Ouala  
Institut Mines-Télécom Atlantique

**Venue 2**

**12:30 - 14:00**  
Lunch & Poster Session  
**Venue 1**

## THURSDAY 19/3

**8:30 - 9:00**  
Attendance & Poster Set-up  
**Venue 1**

**9:00 - 9:45**  
Keynote

**“Learning from Variability: AI insights into Extreme events”**

Ramon Fuentes  
Researcher, SMHI

**Venue 1**

**9:45 - 10:30**  
Keynote

**“The contribution of satellite data and artificial intelligence for earthquake response with damage mapping at building level”**

Mounia El Baz  
EO Digital Innovation Engineer, ESA phi-Lab

**Venue 1**

**10:30 - 11:00**  
Coffee Break  
**Venue 1**

**11:00 - 12:30**  
Zero2Hero Sessions

**“Practical exercise with Causme platform”**

Dr. Homer Durand  
University of Valencia

**Venue 1**

**“Machine learning for earth system science from the beginning or on a special aspect”**

Dr. Christian Reimers  
Max Planck Institute for Biogeochemistry

**Venue 2**

**12:30 - 14:00**  
Lunch & Poster Session  
**Venue 1**

## FRIDAY 20/3

**8:30 - 9:00**  
Attendance & Poster Set-up  
**Venue 1**

**9:00 - 9:45**  
Keynote

**“Uncertainty Quantification in Geospatial Machine Learning Applications”**

Alexander Brenning  
Head of Chair “GIScience Group”,  
University of Jena

**Venue 1**

**9:45 - 10:30**  
Keynote

**“Ethical use of Artificial Intelligence in Earth Observation: Issues and Insights from the EU AI Act”**

Prof. Mrinalini Kochupillai  
Hanken School of Economics

**Venue 1**

**10:30 - 12:30**  
Coffee Break  
**Venue 1**

**11:00 - 11:45**  
Keynote

**“Extremes in a changing climate – what we know and where we struggle”**

Dr. Dominik Schumacher  
ETH

**Venue 1**

**11:45 - 12:00**  
Presentation

**Topic TBA**  
Chrysa Oikonomou, Evangelos Kalamaras  
ICEYE



# PROGRAMME

## MONDAY 16/3

14:00 – 14:45  
Keynote

**“Operational tools and European Projects related to new technologies, science and AI in Hellenic Fire Service”**

Zisoula Ntasiou  
Fire Colonel, Hellenic Fire Service  
**Venue 1**

14:45 – 17:45  
Challenges – Group Work

Mikhail Ivanov, Arianna Olivelli,  
Marta Sapena, Vitus Benson, Said  
Ouala, Angelos Zavras  
**Amphitheater**

Fangfei “Fei” Lan, Aishwarya  
Venkataramanan, Mohanad  
Albughdadi, Nikolaos-Ioannis  
Bountos, Emiliano Díaz Salas-Porras,  
Homer Durand  
**Venue 1**

Nathan Mankovich, Reda El Ghawi,  
Sujan Koirala, Alexander Winkler,  
Nikolas Papadopoulos, Xu Shan  
**Venue 2**

17:45 – 18:00  
Challenges – Group Work  
Reflection

18:00 – 20:00  
Cocktail Ice Breaker

## TUESDAY 17/3

15:00 – 15:45  
Career Panel

- Prof. Gustau Camp-Valls, University of Valencia
- Sabrina Ricci, AI Ecosystem Coordinator, ESA phi-lab
- Dr. Nuno Carvalhais, Group Leader at Max Planck Institute for Biogeochemistry
- Assistant Prof. Maria Vakalopoulou, University Paris-Saclay
- Assistant Prof. Nico Lang, University of Copenhagen
- Dr. Dominik Schumacher, ETH
- Dr. Fangfei “Fei” Lan, University of Lausanne
- Anastasia Sarelli, OroraTech
- Dr. Christina Karakizi, Ministry of Digital Governance & Hellenic Space Center (Moderator)
- Dimitrios Bliziotis, Ministry of Digital Governance & Hellenic Space Center (Moderator)

15:45 – 16:30  
Career Workshop

16:30 – 17:15  
Coffee Break

17:15 – 17:30  
Reflection

17:30 – 20:00  
Greek Music Night

Please note that all Tuesday proceedings will take place in Lavrion

## WEDNESDAY 18/3

14:00 – 14:45  
Keynote

**“Learning representations for global ecosystem modelling”**

Assistant Prof. Nico Lang  
University of Copenhagen  
**Venue 1**

14:45 – 17:45  
Challenges – Group Work

Mikhail Ivanov, Arianna Olivelli,  
Marta Sapena, Vitus Benson, Said  
Ouala, Angelos Zavras  
**Amphitheater**

Fangfei “Fei” Lan, Aishwarya  
Venkataramanan, Mohanad  
Albughdadi, Nikolaos-Ioannis  
Bountos, Emiliano Díaz Salas-  
Porras, Homer Durand  
**Venue 1**

Nathan Mankovich, Reda El Ghawi,  
Sujan Koirala, Alexander Winkler,  
Nikolas Papadopoulos, Xu Shan  
**Venue 2**

17:45 – 18:00  
Challenges – Group Work  
Reflection

18:00 – 20:00  
Stargazing at the National  
Observatory of Athens

## THURSDAY 19/3

14:00 – 14:45  
Keynote

**“Breaking Silos. Building Systems. Science-Based, Stakeholder Co-Designed, Transformation Pathways”**

Prof. Phoebe Koundouri  
AUEB, Cambridge University,  
AthenaRC, UN SDSN Global Climate  
Hub  
**Venue 1**

14:45 – 17:45  
Challenges – Group Work

Mikhail Ivanov, Arianna Olivelli,  
Marta Sapena, Vitus Benson, Said  
Ouala, Angelos Zavras  
**Amphitheater**

Fangfei “Fei” Lan, Aishwarya  
Venkataramanan, Mohanad  
Albughdadi, Nikolaos-Ioannis  
Bountos, Emiliano Díaz Salas-  
Porras, Homer Durand  
**Venue 1**

Nathan Mankovich, Reda El Ghawi,  
Sujan Koirala, Alexander Winkler,  
Nikolas Papadopoulos, Xu Shan  
**Venue 2**

17:45 – 18:00  
Challenges – Group Work  
Reflection

18:00 – 20:00  
Bar Hopping & Athens Tour

## FRIDAY 20/3

12:00 – 12:30  
ESA Workshop

**“The New Architectures of Earth Observation”**

Mounia El Baz  
EO Digital Innovation Engineer, ESA  
phi-Lab  
**Venue 1**

12:30 – 14:00  
Lunch & Poster Session  
**Venue 1**

14:00 – 16:15  
Challenges – Group Presentations  
**Venue 1**

16:15 – 17:45  
Awards & Closing Remarks  
**Venue 1**