



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
- 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
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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,
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Amphitheater

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Bountos, Emiliano Díaz Salas-
Porras, Homer Durand
Venue 1

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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