



Università  
Ca' Foscari  
Venezia

**ESA\_Labs Annual Event - May 8-9, 2023  
"Space Data Management Workshop"**

**FINAL PROGRAM**

**DAY 1 - MAY 8, 2023 - Aula Magna Ca' Dolfin, Calle Larga Foscari, Dorsoduro 3859a, Venezia, Italy**

**08.30 – 9.00 Registration of Participants**

**09.00 – 09.30 Welcome Greetings**

- Caterina Carpinato (prorector at the third mission, Ca' Foscari University of Venice)
- Agostino Cortesi (ESA\_Lab@Ca' Foscari University of Venice)
- Elisabeth Sourgens (ESA - European Space Agency)

**09.30– 11.00 Session 1**

Marco Ferrazzani (Senior Legal Counsel at ESA):  
**Legal regimes for Space data**

Katarzyna Malinowska (Kozminski University):  
**Regulating space data management**

Simon Jackman (University of Oxford):  
**High Performance Computing, AI, the Metaverse and quantum computing to transform space data management**

**11.00 – 11.30 Coffee/Tea break**

**11.30 – 13.00 Session 2**

Marlon Nuske (German Research Center for Artificial Intelligence):  
**AI applications of Space Data**

Giovanni Sylos Labini (ESA BIC DTA Puglia/ Planetek Italia):  
**Blockchain-enabled Satellite Onboard Computing for Smart Contract: Benefits for Multi-sided Markets and IoT Applications**

Adam Abdin (CentraleSupélec, France):  
**On the use of available space monitoring data for improving the risk of collision avoidance**

**13.00 – 13.45 Lunch Buffet**

**13.45 – 14.30 Ca'Dolfin History & Art Tour**

**14.30 – 16.00 Session 3**

Pascal Legai (Senior Security Advisor to ESA DG - Paris)  
**Optimising collection, transmission and transformation of space data to take up security challenges**

Maikel Lázaro Pérez Gort (Ca' Foscari University of Venice):  
**A Fragile Watermarking Approach for Earth Observation Data Integrity Protection**

Marek Kraft (Poznań University of Technology):  
**Deepness: Deep Neural Remote Sensing QGIS Plugin**

**16.00 – 16.30 Coffee/Tea break**

**16.30 – 18.00 Session 4**

Klaus Schilling (Zentrum für Telematik):

**Earth Observation Data Transfer at Limitations of Small Satellite Missions**

Joao Pinelo (Atlantic International Research Centre):

**Earth Observation Data Management and Offer: the experience of the ARIC**

Bruno Merin (ESA/ESAC, data science and archives, Spain):

**ESA Space Science Data Handling at the ESAC Science Data Centre**

**20.00 – 22.00 Networking Dinner (offered by ESA)**

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**DAY 2 - MAY 9, 2023 - Ca' Bottacin, Calle Crosera, Dorsoduro 3911, Venezia, Italy**

**09.00 – 10.30 Session 5**

Alfredo Grieco (Politecnico di Bari):

**Integration of Terrestrial and Non-Terrestrial Networks: challenges and perspectives within the RESTAR project**

Niccolo' Maffezzoli (CNR-ISP and Ca' Foscari University of Venice):

**Estimate the ice volume of Earth's glaciers with deep learning and remote sensing**

Achille Giacometti (Universita' Ca' Foscari Venezia):

**Can life exist without water? A data driven approach**

**10.30 – 11.00 Coffee/Tea break**

**11.00 – 12.00 Session 6**

Vicente Navarro (ESA Datalabs):

**Digital Innovation in Space Science**

Michel Praet (ESA, Head of the EU Relations Office, Brussels):

**Space data for Culture**

**12.00 – 12.30 Final Discussion and Concluding Remarks (Roberta Gregori - ESA)**

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**WIFI CONNECTION**

Username: wifi02118

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**GMEET LINK FOR REMOTE ATTENDANCE:**

<https://meet.google.com/stn-sffr-hng>

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**Organization:**

Agostino Cortesi, Pietro Ferrara, Samuela Franceschini (Ca' Foscari University of Venice)

Elisabeth Sourgens, Roberta Gregori (European Space Agency)