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# DATA SCIENCE



## EuADS Summer School 2023 Data Science for Explainable and Trustworthy AI

**EuADS Symposium -  
Federating Trust in Science**

**Quantinar – a P2P knowledge  
Platform for data sciences**



**Hybrid public event**  
Tuesday, June 6th 2023  
STATEC - Kirchberg, Luxembourg

**Summer School**



Wednesday June 7th  
to Friday June 9th 2023  
Chamber of Commerce Kirchberg,  
Luxembourg

**EuADS**  
European Association  
for Data Science

# EuADS Symposium - Federating Trust in Science

Tuesday, 06.06.2023

- 13h00-14h00 **Registration and Coffee**
- 14h00-15h00 **Opening and Welcome**  
**Serge Allegrezza** | STATEC Director  
**Eyke Hüllermeier** | EuADS President
- 15h00-16h30 **Sabine Krolak-Schwerdt Public Lecture**  
**Quantinar** - a P2P knowledge Platform for data sciences  
**Wolfgang Härdle** | Humboldt University Berlin, Germany
- 16h30 **Welcome Reception**

## EuADS Summer School 2023 - Data Science for Explainable and Trustworthy AI

Wednesday, 07.06.2023

- 09h30-13h00 **Responsible AI: from principles to action**  
**Virginia Dignum** | Umeå University, Sweden
- 13h00-14h30 **Lunch Break**
- 14h30-18h00 **Explainable & Reproducible Data Science: Introduction to Data visualisation and dynamic reporting**  
**Osama Mahmoud** | University of Essex, United Kingdom

Thursday, 08.06.2023

- 09h30-13h00 **A hands-on tutorial on explainable methods for machine learning with Python: applications to gender bias**  
**Aurora Ramirez** | University of Cordoba, Spain
- 13h00-14h30 **Lunch Break**
- 14h30-18h00 **Explanation is a process: a hands-on tutorial on the Interactive Explanatory Model Analysis with examples for classification models**  
**Przemysław Biecek** | Warsaw University of Technology

Friday, 09.06.2023

- 09h30-10h30 **European AI Act and forbidding the bad part but making the good part of AI not impossible**  
**Marc Salomon** | Amsterdam Business School, Netherlands
- 10h30-11h30 **Counterfactual explanations**  
**Ilker Birbil** | University of Amsterdam, Netherlands
- 11h30-12h30 **HandsOn Session**  
**Tabea Röber** | Amsterdam Business School, Netherlands
- 13h00 **Vin d'honneur**



As the number of applications of artificial intelligence (AI) grows, the public needs to establish a well-founded trust in AI systems. A major obstacle for building trust in AI systems is currently a lack of understanding of the inner workings of some of the models applied in AI, even among AI experts. Explainable AI (XAI) is designed to be able to explain how decisions and actions are taken by the machine in a way that is understandable to humans. Its goal is to make AI more transparent and increase trust in the technology and to ensure that it is used ethically. In this line, trustworthy AI becomes important to ensure an ethical, transparent, and accountable use of AI systems. AI should be aligned with the values and interests of society, and concerned with ensuring that the use of AI does not lead to unfair or discriminatory outcomes. Data science can play a major role in increasing transparency and establishing trust in AI systems. In the EuADS Summer School 2023, we will browse these areas of great growth with interventions by prominent members of the community and hands-on sessions on the use of the latest techniques.

Please refer to [euads.org](https://euads.org) for eventual updates and changes.



The Summer School is primarily aimed at advanced PhD students, postdoctoral and early-career researchers with an interest and basic grounding in data science, machine learning, and/or statistics.

### Fees and Registration

The Symposium (hybrid public event) on Tuesday is free, but registration is required: [euads.org](https://euads.org)

For EuADS members the fee for participating in the Summer School is 100€. For non-members the fee is 200 € and includes a one-year EuADS membership, participation in the social event, all lunches, coffee breaks and cocktails.

To ensure an interactive experience the number of participants is limited to 60 persons, so early registration is strongly recommended. Please register by:

1. Sending an email with your personal details to [contact@euads.org](mailto:contact@euads.org), with reference to EuADS Summer School 2023 on Data Science for Explainable and Trustworthy AI.
2. Transferring the amount of the participation fee to the Banque et Caisse d'Épargne de l'État, Luxembourg (BIC/SWIFT: BCEELULL - IBAN: LU47 0019 4655 6967 1000).

Once the personal details and registration fee have been received, you will receive an email confirming your participation.

You can cancel your participation in the Summer School and get your amount of the participation fee to refunded until May 31, 2023. Just send an email to [contact@euads.org](mailto:contact@euads.org).



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Or visit us on [euads.org](https://euads.org)

