

GENAI-X KICK-OFF EVENT



AI Generalizability in Non-stationary Environmental Regimes:
The Case of Hydro-climatic Extremes



Speakers:

Dr. Thomas Nitzsche (City of Jena, Lord Mayor)
Prof. Dr. Andreas Marx (FSU Jena, President)
Prof. Dr. Joachim Denzler (FSU Jena, ELLIS Unit Director)
Prof. Dr. Alexander Brenning (FSU Jena, GENAI-X Coordinator)
Prof. Dr. Markus Reichstein (MPI-BGC & ELLIS Unit Director)
Prof. Dr. Christine Römermann (FSU Jena & SIP Director & iDiv)
Prof. Dr. Michael Habeck (JUH, Microscopic Image Analysis)
Dr. Monique Kuglitsch (Fraunhofer HHI, Innovation Manager)
Prof. Dr. Alexander Binder (Leipzig University, Chair Multimodal Machine Learning)
Dr. Aishwarya Venkataramanan (FSU Jena, Postdoctoral Researcher)
Dr. Shijie Jiang (MPI-BGC, CZS Junior Research Group Leader)

Dates and Venues:

22 June 2026, 16:00–20:00:
Public Opening and Networking

Rosensäle, Fürstengraben 27,
07743 Jena

23 June 2026, 13:00–17:00:
Internal Workshop for Team and Vision Building

Haus auf der Mauer,
Johannisplatz 26, 07743 Jena

GENAI-X addresses a fundamental AI challenge: achieving robust model generalizability in non-stationary environmental systems, where conditions vary across space and evolve unpredictably. Focusing on hydro-climatic extremes (floods, landslides, droughts and late-frost events) and their impacts, we advance AI methods that adapt to shifting data patterns and uncertainties. We integrate hybrid modeling, causal modeling, equation discovery, dimension reduction and uncertainty quantification to improve environmental understanding and prediction. Beyond theory, we develop AI-driven tools for assessing risks, interpreting environmental changes, and supporting decisions.

Programme Public Opening and Networking

22 June 2026, 16:00 - 20:00

Rosensäle, Fürstengraben 27, 07743 Jena

Registration (required): go.uni-jena.de/KFRRG5



16:00 - 16:10 | Welcome Addresses

Prof. Dr. Andreas Marx (Friedrich Schiller University Jena, President)

Dr. Thomas Nitzsche (City of Jena, Lord Mayor)

16:10 - 16:25 | GENAI-X Project

Prof. Dr. Alexander Brenning (Friedrich Schiller University Jena, GENAI-X Coordinator)

16:25 - 16:35 | ELLIS Unit Jena

Prof. Dr. Joachim Denzler (Friedrich Schiller University Jena, ELLIS Unit Director)

16:35 - 16:50 | Principal Investigator Talks

16:35 – 16:40 | Prof. Dr. Markus Reichstein (Max Planck Institute for Biogeochemistry, Director & ELLIS Unit, Director)

16:40 – 16:45 | Prof. Dr. Christine Römermann (Friedrich Schiller University Jena & Senckenberg Institute for Plant Form and Function, Director & German Centre for Integrative Biodiversity Research)

16:45 – 16:50 | Prof. Dr. Michael Habeck (Jena University Hospital, Microscopic Image Analysis Group)

16:50 – 18:00 | Keynote Speeches

16:50 – 17:10 | Dr. Monique Kuglitsch (Fraunhofer Heinrich-Hertz-Institute, Innovation Manager)

17:10 – 17:30 | Prof. Dr. Alexander Binder (Leipzig University, Chair Multimodal Machine Learning)

17:30 – 17:45 | Dr. Aishwarya Venkataramanan (Friedrich Schiller University Jena, Computer Vision Group, Postdoctoral Researcher)

17:45 – 18:00 | Dr. Shijie Jiang (Max Planck Institute for Biogeochemistry, CZS Junior Research Group Leader)

18:00 - 20:00 | Networking and Refreshments

CONTACT  Bettina Böhm (Research Project Manager)

 bettina.boehm@uni-jena.de

 +49 3641 9-48860

 www.genai-x.uni-jena.de

