

*** CALL FOR APPLICATIONS ***

Summer school on uncertainty in energy and integrated assessment models of climate change

Organized by the University of Geneva, Renewable Energy Systems group, as part of the Horizon Europe project PRISMA and SNSF project Accuracy

Deadline to apply: **12th April 2026**

Uncertainty is inevitable when modeling and analyzing long-range energy and emissions trajectories to inform policy. To support uncertainty consideration in modeling, Renewable Energy Systems group of the University of Geneva is organizing a summer school on uncertainty in energy system models and integrated assessment models of climate change. The summer school targets advanced PhD students and early postdocs with modeling experience.

The school will take place in **Geneva, Switzerland, from 15th to 19th June 2026**. Please send your application to prisma-school@unige.ch after carefully reading the descriptions and instructions below.

The summer school is funded by the Swiss State Secretariat for Education, Research, and Innovation (SEFRI) and the European Union for the Horizon Europe project PRISMA "Net zero pathway research through integrated assessment model advancements" (project no. 101081604) and the Swiss National Science Foundation Eccellenza Grant for the project "Accuracy of long-range national energy projections" (grant no. 186834).

Objectives

The objective of the summer school is to create a community of young scholars who actively work with energy systems models and integrated assessment models of climate change, and to jointly explore conceptual topics, learn about and apply methods for tackling uncertainty. The week will offer:

- Lectures on various concepts of uncertainty, advanced methods for uncertainty analysis in modeling, and uncertainty communication;
- Presentations by the students on their research or relevant work for uncertainty;
- Hands-on modeling sessions and group work on applying the various uncertainty methods;
- Social events.

Accommodation will be arranged and covered for all participants from Sunday 14th to Friday 19th of June 2026. Tuition, all lunches, all coffee breaks, one dinner, and one social activity will be covered too. The participants are asked to cover travel expenses by their own means. All participants should bring an own computer.

Tentative program

| | Sunday (14th June) | Monday (15th June) | Tuesday (16th June) | Wednesday (17th June) | Thursday (18th June) | Friday (19th June) |
|-------|----------------------|--|---|---|---|--|
| 8:00 | | Breakfast at hotel | Breakfast at hotel | Breakfast at hotel | Breakfast at hotel | Breakfast at hotel |
| 8:30 | | Travel to school location | Travel to school location | Travel to school location | Travel to school location | Travel to school location |
| 9:00 | | 9:00-10:00 Welcome and introduction | 9:00-10:00 Global sensitivity analysis | 9:00-10:00 Decision making under uncertainty (II) | 9:00-10:00 Expert judgement and expert elicitation | 9:00-10:00 Uncertainty communication |
| 9:30 | | | | | | |
| 10:00 | | 10:00-11:00 Uncertainty and large scenario ensembles | 10:00-11:00 Decision making under uncertainty (I) | 10:00-11:00 Probabilistic methods | 10:00-11:00 Uncertainty vs. accuracy | 10:00-11:00 Group work |
| 10:30 | | | | | | |
| 11:00 | | Break | Break | Break | Break | Break |
| 11:30 | | 11:30-12:30 Introduction to the group work | 11:30-12:30 Hands-on workshop on scenario discovery | 11:30-12:30 Hands-on workshop on scenario discovery | 11:30-12:30 Hands-on workshop on expert elicitation | 11:30-12:30 Group work |
| 12:00 | | | | | | |
| 12:30 | | 12:30-13:30 Lunch | 12:30-13:30 Lunch | 12:30-13:30 Lunch | 12:30-13:30 Lunch | 12:30-13:30 Lunch |
| 13:00 | | | | | | |
| 13:30 | | 13:30-15:30 Presentations by the school participants | 13:30-17:00 Group work | 13:30-17:00 Group work | 13:30-17:00 Group work | 13:30-15:30 Group work presentations |
| 14:00 | | | | | | |
| 14:30 | | | | | | |
| 15:00 | | | | | | |
| 15:30 | | Break | Break | Break | Break | Break |
| 16:00 | | 16:00-17:30 Group work | 16:00-17:00 Group work | 16:00-17:30 Group work | 16:00-17:30 Group work | 16:00-17:00 Closing session and feedback |
| 16:30 | | | | | | |
| 17:00 | | | 17:00-19:00 Social event | | | |
| 17:30 | | | | | | |
| 18:00 | | | | | | |
| 18:30 | | | | | | |
| 19:00 | | 19:00 Social dinner | | | | |
| 19:30 | Arrival to the hotel | | | | | |

Faculty

- Prof. Dr. Evelina Trutnevyte, University of Geneva, Switzerland
- Dr. Céline Guivarch, CIRED, France
- Dr. Marc Jaxa-Rozen, European Commission's Joint Research Centre, Spain
- And more

Organizers

- Prof. Dr. Evelina Trutnevyte, University of Geneva, Switzerland
- Nik Zielonka, University of Geneva, Switzerland
- Ricardo Flores, University of Geneva, Switzerland

Target audience

Advanced PhD students (from second year onwards) and early career scientists (e.g., early post-docs) from any university, research institute, or other organization (private company, government agency, NGO) in any country are eligible as far as their work is focused on using computational modeling to study energy and climate related issues (for instance, energy system models, climate models, macroeconomic models).

Requirements

Good programming knowledge in at least one of these languages is necessary: Python, Julia, R, Matlab, C++, GAMS.

Number of students

Participation will be open to a maximum of 20 individuals.

How to apply?

Applicants are kindly requested to send their application to prisma-school@unige.ch, including:

- Curriculum Vitae;
- Letter of motivation for joining the summer school (max. 1 page);
- A letter of reference from his/her supervisor (with original signature);
- A published paper or a draft of scientific work as first author (no length constraint; the paper will only be used for selecting applicants).

Important dates

Application deadline: **12th April 2026**

Announcement of accepted applicants: **27th April 2026**

Upon acceptance, participants will be required to confirm their participations: **10th May 2026**

Summer school dates: **15th to 19th June 2026**