

***** CALL FOR APPLICATIONS *****

Summer School on Integrated Assessment Models organized by RFF-CMCC European Institute on Economics and the Environment

Deadline to apply: **1st March, 2023**

As climate policymaking becomes increasingly informed by model simulations, it becomes crucial for researchers to better understand how climate-energy-economy models work, how they are used, and how to inform policymaking through their output. The NAVIGATE and ENGAGE projects, funded by the European Union's Horizon 2020 research and innovation programme, are therefore launching a Summer School aimed at providing advanced training for young international scholars, advanced PhD students and early postdoc fellows, working on integrated assessment models.

The NAVIGATE-ENGAGE Summer School will be organized by the [RFF-CMCC European Institute on Economics and the Environment \(EIEE\)](#) and will take place at Lake Como, [Villa del Grumello](#), from 3rd to 7th July 2023.

Objectives

The objective of the summer school is to create a community of young scholars from a broad range of disciplines (climate, ecology, economy, energy, political science) actively working on modelling human activities and the earth system in an integrated framework commonly referred to as Integrated Assessment Modeling.

Structure of the week

- 8 lectures about IAMs, including an introductory presentation on IAMs and their role as input to global stock stake and policy analysis.
- Interactive poster sessions where the student will be invited to present their work.
- Hands-on session on the IAMs scenarios (data analysis and visualization).
- Group work on model development/analysis.

On Monday 3rd July, a welcome reception/dinner will be offered at 19:30. A social dinner will also be organized during the week (on Thursday 6th July).



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	8:15 - 9:00 Welcome breakfast and Opening	8:15 - 9:00 Welcome breakfast and Networking	8:15 - 9:00 Welcome breakfast and Networking	8:15 - 9:00 Welcome breakfast and Networking	8:15 - 9:00 Welcome breakfast and Networking	
	9:00 - 10:30 Lightning round of Poster presentations	9:00 - 10:30 Lecture 1 -	9:00 - 10:30 Lecture 3 -	9:00 - 10:30 Lecture 4 -	9:00 - 10:30 Lecture 6 -	Social Activity
	10:30 - 11:00 Break	10:30 - 11:00 Break	10:30 - 11:00 Break	10:30 - 11:00 Break	10:30 - 11:00 Break	
	11:00 - 12:30 Lightning round of Poster presentations	11:00 - 12:30 Lecture 2 -	11:00 - 12:30 Hands on session	11:00 - 12:30 Lecture 5 -	11:00 - 12:30 Lecture 7 -	
	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	12:30 - 13:30 Lunch
	14:00 - 16:00 Opening Lecture - IAM History and role in Climate Negotiations (e.g. Global stock take)	14:00 - 16:00 Hands on session	Free disposal / Group work	14:00 - 16:00 Group Work	14:00 - 16:00 Group Work	
	16:00 - 16:30 Break	16:00 - 16:30 Break		16:00 - 16:30 Break	16:00 - 16:30 Break	
	16:30 - 17:30 Definition of Groups and Group Work	16:30 - 17:30 Group Work		16:30 - 17:30 Group Work	16:30 - 17:30 Group Work	
19:30 - 22:00 Dinner at Pizzeria for those who are already here	17:30 - 18:00 Groups kick off	17:30 - 18:00 Groups touch base		17:30 - 18:00 Groups touch base	17:30 - 18:00 Groups Work Presentation	
	19:30 Welcome Cocktail			19:30 Social Dinner	18:00 - 18:30 Closing Session and Feedback	

Lecture topics

- Opening lecture on IAM history and role in Climate Negotiation
- Macroeconomics
- Energy Systems
- Modelling SDGs
- Social Sciences
- Uncertainty
- Scenarios retrieval, analysis, and visualization

Faculty (Provisional list)

- Dr. Nico BAUER
Potsdam Institute for Climate Impact Research (PIK)
- Dr. Valentina BOSETTI
Bocconi University and RFF-CMCC European Institute on Economics and the Environment (EIEE)
- Dr. Daniel HUPPMANN
International Institute for Applied Systems Analysis (IIASA)
- Dr. Keywan RIAHI
International Institute for Applied Systems Analysis (IIASA)
- Dr. Zoi VRONTISI
E3 Modelling (E3M)
- Dr. Detlef Van VUUREN
PBL/UU
- Dr. Roberto SCHAEFFER
Federal University of Rio de Janeiro (UFRJ)

Local Organizers

- Dr. Laurent DROUET (ENGAGE)
RFF-CMCC European Institute on Economics and the Environment (EIEE)
- Dr. Johannes EMMERLING (NAVIGATE)
RFF-CMCC European Institute on Economics and the Environment (EIEE)



Target audience

Advanced doctoral students (e.g., from 2nd year onwards) and early career scientists (e.g., early post-docs) from any university, research institute, or other organization (private companies, government agencies, NGOs) whose research is focused on using computational methods to study environmental and climate related issues (for instance, energy system models, climate models, ecological models, epidemiological models, macroeconomic models).

Requirement: good programming knowledge in at least one of these languages: Python, GAMS, Julia, R, Matlab, C++.

Number of students

Participation will be open to a maximum of 25 individuals (Both EU and non-EU participants).

How to apply?

Applicants are kindly requested to fill in the application form available from [here](#) and send - immediately after - to the Summer School Secretariat (iam-summer-school@eiee.org) a single PDF file containing the following documents:

- Curriculum Vitae
- Letter of motivation for joining the summer school (max. 1 page)
- A letter of reference from his/her supervisor (with original signature)
- The draft of the paper the researcher will present (no length constraint).

Costs

Transportation to and from the summer school venue, non-event dinners, and local transportation will be at the expense of the participant. All covered costs include: accommodation, lunches, coffee breaks, the welcome reception/dinner (on Monday) and one social dinner (on Thursday) are provided without charge for all participants of the school.

Scholarships

Up to 5 scholarships are available to applicants from low and lower income countries (World bank classification). The scholarships will cover travel expenses.

Important dates

Application deadline: **1st March 2023**

Announcement of accepted applicants: **15th April 2023**

Upon acceptance, participants will be required to confirm their participations: **30th April 2023**

Summer school dates: **3rd to 7th July 2023**

