

PROGRAMME

SWEEM² kick-off workshop: Sharing water through ecological, economical and mathematical models

Monday, 2 March 2026

13:30 – 14:00 • Welcoming of participants

14:00 – 14:45 **Hélène Celle, Carlotta Donadello & François Cochard** [UMLP, France] • Introductory Keynote

• Session – Models •

14:45 – 15:30 **Arnaud Mallard** • Visual Karsys
[ISSKA, Suisse, visio]

15:30 – 16:15 **Manon Dardonville & Olivier Théron** • Maelia
[INRAE, France]

16:15-16:45 • Coffee break

16:45 – 17:30 **Raphaël Couturier** • Role of AI in models
[UMLP, France]

17:30 – 18:15 **Jordan Labbe** • Modflow / Gardenia
[UMLP, France]

19:30 – 21:30 • Dinner in the city center > Les quatre saisons

Tuesday, 3 March 2026

08:45 – 09:00 • Welcoming of participants

• Session – Economy & Mathematics •

09:00 – 09:45 **Yigit Saglam** • When rivers meet markets: Supply-Side water trading
[Victoria University of Wellington, NZ, visio]

09:45 – 10:30 **Catarina Roseta Palma** • Water management: Economics and Nature
[ISCTE, Lisboa, Portugal]

10:30 – 11:00 • Coffee break

11:00 – 11:45 **Pieter van Oel** • Stakeholder participation in monitoring mapping, modeling, and managing water: lessons from Kenya and Brazil
[Wageningen University, the Netherlands, visio]

11:45 – 12:30 **David Kiragu** • Sustainability of Public Water Service Providers in Kenya: Dynamic Capability Pathways
[DeKUT, Kenya, visio]

12:30 – 13:30 • Lunch (lunch-box)

• Session – Economy & Mathematics •

13:30 – 14:15 **Annalisa Cesaroni** • Differential games with N players
[Università di Padova, Italy]

14:15 – 15:00 **Mauro Garavello** • Differential games for a SIR Model
[Università degli Studi di Milano-Bicocca, Italy]

15:00-15:30 • Coffee break

15:30 – 16:15 **Matteo Camporese** • Integrated Surface-Subsurface Hydrological Modeling for Sustainable Water Resources Management
[Università di Padova, Italy]

16:15 – 17:00 **Julia De Frutos Cachorro** • Dynamic investment strategies and groundwater sustainability in a changing climate
[Universitat de Barcelona, Spain]

20:00 – 22:00 • Dinner in the city center > La Grange

Wednesday, 4 March 2026

08:45 – 09:00 • Welcoming of participants

09:00 – 09:45 **Sylvain Béal** • The contribution of cooperative game theory to the regulation of a river's waters
[UMLP, France]

09:45 – 10:15 **Alexis Clermontel** • STRATEAU
[CEREMA, France, visio]

10:00 – 10:30 • Coffee break

10:30 – 12:00 • Discussion & Synthesis
