



Géotéca
Géomatique - Télédétection - Cartographie



Data and Methods for Monitoring Hydrosystems in the Anthropocene Era

Wednesday 1st April 2026
(room 209 - Olympe de Gouges Building, Paris)

09h30 Welcome coffee

09h40 Introduction of the seminar by Paul Passy

09h50 Glacial Headwaters Response to Climate Change in the Subtropical Andes of Chile: The Tinguiririca River Catchment
(*Raphaël Bouchet, PhD student – University Paris Cité*)

10h10 Soil Erosion Dynamics in the Upper Indus Basin : A RUSLE-based Geospatial Analysis (*Dr Muhammad Ali, Department of Geology - University of Peshawar*)

10h30 A DPSIR Framework with SWOT-Based Simulations for Sediment Management in the Tarbela Reservoir, Upper Indus Basin (*Dr Nausheen Mazhar and Nimra Arshad, Department of Geography – Lahore College for Women University*)

10h50 Land to Sea Continuum of the Black Sea in the Face of Geopolitical Issues (*Louise Ginestet, Master 1 student – University Paris Cité*)

11h10 Hands-on session and live demonstration

- Continuous Change Detection in practice for monitoring vegetation and land cover change using Google Earth Engine
(*Poullou Baidy Ba, PhD student – University Paris Cité*)

- Discharge data exploration for large rivers and Remote sensing for monitoring the chlorophyll concentrations in marine zones
(*Louise Ginestet, Master 1 student – University Paris Cité*)

12h30 End of the meeting