

Water Resource Management

From Rock to Remediation

📅 29th June > 13th July

Hydro 2024: Rocking Your Future!

Co-organised by the **Faculty of Science and Technology** of the **University of Lille** (largest French university and in the top 100 European most innovative universities of the Times Higher Education ranking) and the International Academy (summer university for international students in Hauts-de-France), the research-oriented summer school **Hydro 2024 is a strong 60-hour training programme focusing on the fundamental of hydrogeology and water treatment in line with top-tier research centres and leading experts in the field**. Particular emphasis will be laid on the quantification of groundwater flow (distribution, velocity and flux of groundwater), its impact on surface water quality and the processes that affect groundwater geochemistry (water pollution in particular). There will be example applications for water resources, environmental impact, industrial wastewater treatment process and social development.

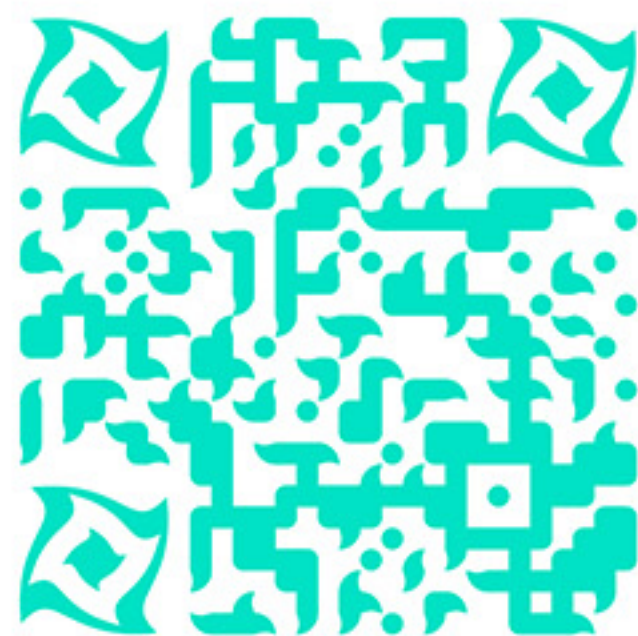
Student projects will cover the socio-economical and environmental aspect of water management, and explore how water is becoming an essential element in urban development projects or in the management of rural areas.

Midway between Paris, London and Brussels, at the heart of a high-performance academic and economic hub that makes innovation a priority, Hydro 2024 will provide high-standard English-taught classes, scientific immersion in the field, as well as an introduction to research through a supervised project.

A smart opportunity to broaden your international experience under enjoyable conditions with fellow students worldwide.

Coordinator of the scientific programme: Prof. Arnaud GAUTHIER, Civil Engineering and Geo-Environment Laboratory, **LGCgE**.
Coorganisation: Laboratory of Spectroscopy for Interactions, Reactivity and Environment, **LASIRE**.

#Keywords: hydrogeology, groundwater modelling, hydrogeochemistry, wastewater treatment, rainwater management, water resource policy, pollution.



<https://www.international-academy.fr/hydro>

— ADMISSION CRITERIA

- Excellent bachelor students (3rd year undergraduate) & Master students – PhD & professionals accepted.
- Excellent academic results and in-depth knowledge in hydrology & chemistry, basic knowledge of geology.
- Advanced English.

— FULL WELCOME SERVICES

- Pick-up at Roissy-CDG airport or train station in Lille to the hall of residence and campus tour.
- Accommodation on the campus.
- Meals: all breakfasts and lunches (dinners also included for students who have been granted a full scholarship).
- Local transportation pass for the public transport network in the Metropole of Lille.
- Access to university facilities (Lilliad library...).
- Student support (before arrival and during the stay).

— ECTS CREDITS

5 **European Credit Transfer and Accumulation System** (ECTS) credits pertaining to the completed assessments and a personalised Certificate of Completion will be awarded to the students to authenticate their participation.

— FEES

- Participation to the programme — Standard Fee: 1,250 €
- Participation to the programme — Early Bird (students applying before February 28th): 900 €
- Participation to the programme — Student from a partner higher education institution: 900 €
- Comfort pack (accommodation, transportation in Lille, meals): 460 €

— APPLICATION PROCESS & DEADLINE

- The online application form will be available soon.
- Deadline for submitting applications: March 15th 2024.

Contact us

We are at your disposal should you need any more information.



Any question? Please email us:
hydro@international-academy.fr



For urgent matters:
+33 601 713 546