

# ICH TECHNICAL STUDY TOUR

## 31th August -11th September 2024

Lillehammer, Norway



### COURSE DESCRIPTION

**This course comprehensively explores sustainable practices and strategies within the hydropower sector, emphasising the integration of efficient water management, knowledge forecasting, market dynamics, and innovative approaches.**

Participants will gain insights into addressing current challenges, aligning with climate change resilience goals, and fostering innovation and policy clarity

to ensure the long-term sustainability of hydropower projects. The course includes a technical site visits to various hydropower facilities, including new infrastructure, rehabilitated and modernised facilities, as well as sessions with water management associations and state-owned utility representatives.

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**Empowering tomorrow's hydropower innovators: ICH leading the way!**



## TARGET GROUP

Civil Engineers, Hydraulic Engineers, Mechanical Engineers, Geologists, Environmentalists, Sociologists, Communicators, environmental and Energy Regulatory Bodies, Developers, and Managers of Operations and Maintenance of Projects with public and private sector reservoirs, with a minimum of 3 years of experience in the hydroelectric sector.



## COURSE TOPICS

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### MODULE 1 Online Sustainability Course

ICH's Sustainability E-Learning will provide an overview of the HP Sector and its Importance in the Energy Matrix. The course leads all participants to a place of common understanding of the concepts of sustainability and the key factors influencing the success of the HP business case. This is compulsory and must be completed before the technical tour begins.

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### MODULE 3 In Person Workshop

Recap of key learnings and insights from the course and site visits. Open forum for questions, reflections, and further discussion with experts. Workshop will include the chance for participants to feed back on their experiences as well as action plans for the future in the form of an executive report

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### MODULE 2 Site Visits

Technical tour of different hydroelectric facilities, including:

- Flood location assessment
- Fish ladder observation
- Inspection of new hydropower infrastructure
- Rehabilitation of existing facilities
- Formal visits to state-owned utility facilities
- Sessions with water management associations Understanding the long-term impacts of reservoir operations
- Engage with representatives from NVE (Norwegian Water Resources and Energy Directorate) Policy recommendations to promote reservoir sustainability
- Collaborative approaches for industry stakeholders and policymakers.

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### MODULE 4 Participants Presentations

Action plan for implementing sustainable practices in participants' respective roles and organisations.

Conclusion and Discussion

## ADMISSION REQUIREMENTS

This course builds on the previous virtual training 2021- 2022, so those who have already completed the ICH Social and Environmental Monitoring training series, Modernization and Rehabilitation training series, and Integrated Water Management training series will be given priority.



- In general, a minimum of five years work experience is required.
- Please bear in mind the specific profile description for the target groups for each of the courses.
- Proficiency in English is compulsory for all courses in Norway. Applicants will be requested to provide a proficiency certificate in English Language. An English proficiency interview may be conducted.
- **Women are encouraged to apply.**
- The given seat is not transferable once the selection process has been completed.
- ICH courses do not accommodate the participation of spouses or companions.
- The ICH Code of Conduct Applies to all participants and lecturers.

**WOMEN ARE ENCOURAGED TO APPLY**



future **HYDROPOWER** transition nature  
 environmental **WATER** financial  
**PLANNING** infrastructure private public **rehabilitation**  
 efficiency SOCIAL CAPITAL  
 climate crisis **CLEAN**  
**Transformation**





## COURSE FEE IS 5000 USD

A limited number of sponsored seats are available for participants from developing countries, prioritised by the Norwegian Agency for Development.

**The course fee includes:** lectures, materials, accommodation, meals, and a social program if applicable.

*International travel expenses are not included.*

There is a reduced fee for ICH members.

Those who would like a guaranteed seat on the course should secure their own funding.



## REGISTRATION AND CONFIRMATION OF ATTENDANCE

Candidates must duly complete the application form found at

<https://form.ich.no/Course name-202401Technical Tour Norway 2024>

Notification Selection process:

**15th May 2024**

Final date to confirm participation: 7th June 2024 (if the selected candidate is confirmed on the indicated date, another participant will be given the option).

Our organisation's policies and academic committee require applicants to provide a complete description and relevant information about their job position. Please highlight why the selected training programme will apply to your job position.

## Application deadline

10th May 2024



## INFORMATION

More information on the course can also be found at [www.ich.no](http://www.ich.no) or by contacting ICH,

**Laura Bull**

Head of Studies, ICH  
Head of Latin America and the Caribbean  
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**Jo Pereira**

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## HOW TO APPLY

Only applications submitted online will be accepted. You can access the official ICH Application at [www.ich.no](http://www.ich.no). Please click on the 'application form for courses' icon and select the course of your interest.

- Please be diligent in filling in the form. Your background information is relevant to the selection process
- Information on travel, detailed course agenda and other relevant information will be sent to all participants in due course once they have formally confirmed their participation

### Disclaimer

*ICH reserves the right to accept or reject applicants based on their qualifications and experience.*