



# ICH PRESENTS THE 2022 COURSE PORTFOLIO

**ASIA**  
**02.03.2022**





# AGENDA

- **Introduction by Managing Director of ICH by Ms. Line A Hagen**
- **Presentation of ICH's International course portfolio by Head of Studies, Ms. Laura Bull**
- **Presentation of the Asian course portfolio by Ms. Laura Bull and Mr. Tom Solberg**
- **How to apply to ICH's courses by Line Amlund Hagen**
- **Q&A**



# Welcome to ICH!

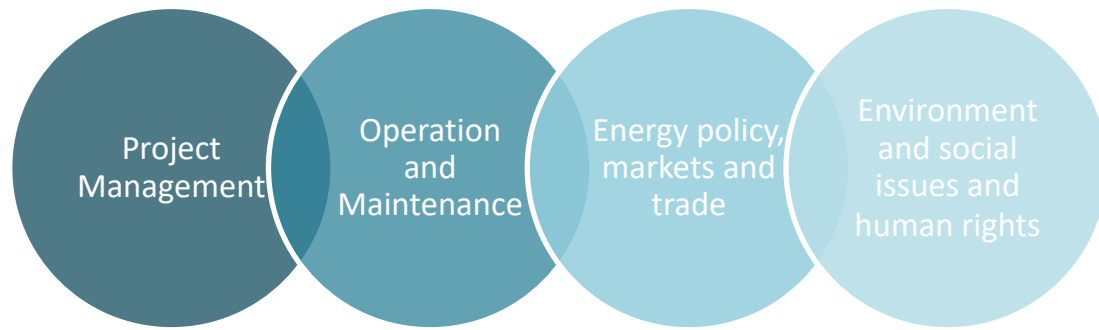
**70**  
countries

**30%**  
women

**3743**  
participants

in **150**  
courses

# The ICH Course Structure



- All ICH-courses belong to a thematic cluster
- The courses will be offered on an online, an on-site or a hybrid platform – also after the pandemic
- We expect attendance and diligently executed homework and group assignments
- In return you will receive an ICH course certificate
- Please respond to tests, evaluations and questionnaires diligently.

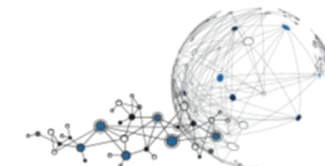


# ICH INTERNATIONAL 2022 COURSE PORTFOLIO





1



# Social and Environmental Monitoring II

23-25 March

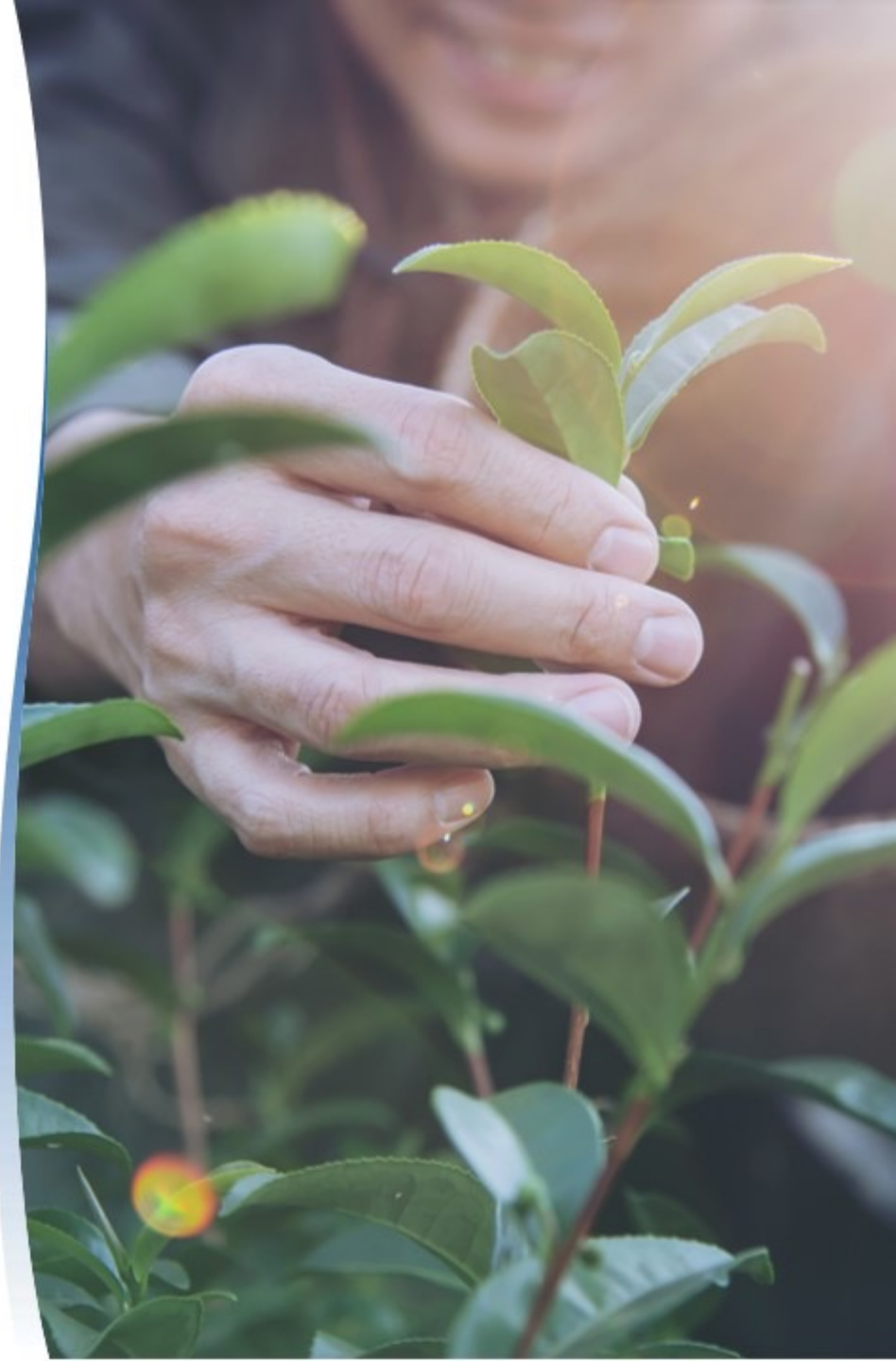
Cluster Affiliation:  
Environment & social  
issues and human rights

***ICH Value creation  
through Education!***

## Our Learning Goals

- To Provide tools for the planning and implementation of social and environmental monitoring programs that contribute to the fulfilment of environmental and social obligations and commitments
- Develop competence in the process of environmental and social monitoring.

Compliance as a quality improvement with the role of supervision. Dealing with the unexpected and corrective action plans within an integrated Environmental and Social Management System.

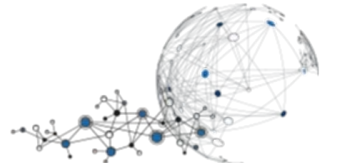




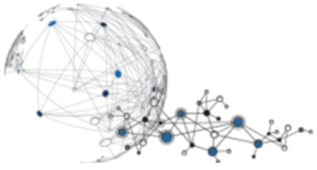
## Course Description

The online version has been designed to integrate knowledge with experience and promote interaction and collaboration.

- Virtual sessions streaming
- 3 hours online content.
- Total dedicated time 6 hours daily.
- Group assignments and Individual assignments will be required







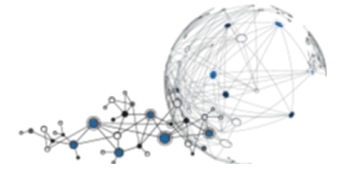
# Resettlement I

4 - 6 April

Cluster Affiliation:  
Environment & social issues  
and human rights

***ICH Developing opportunities  
through Education!***



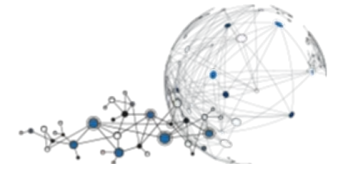


The online training aims to provide a framework for assessing resettlement risks and plan effective programs unique to each situation and Context.

The training will provide tools for the planning and implementing resettlement programs that contribute to fulfilling social obligations, commitments, and long-term development goals. Participants to bring their own experiences, concerns and lessons learned.

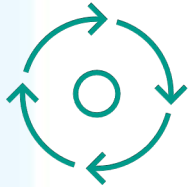






## Course requirements

Participants will be expected to have completed both parts of the PREMACA Virtual training as a cornerstone of the resettlement training programme.



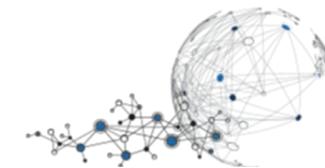
## Outcome level

Develop competence in the process of resettlement and its associated impacts.





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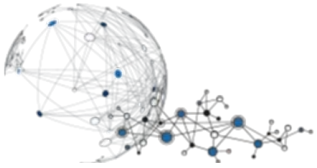
# Risk Management in Hydropower Development II

18-20 May

Cluster Affiliation: Project Management

***ICH driving  
sustainability efforts !***





Risk context addresses the individual and group attitudes and behaviors that affect how risk arises and managing it. The case studies delivered in the course will seek to understand the relationships that illustrate the complexity and critical thinking required to address risks.

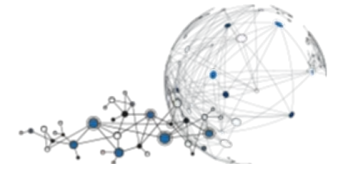
## Our Learning Goals

- Develop competence in the process and tools of analysis of economic, social and environmental impacts of risks related to hydropower that should be consider throughout the project cycle.
- Develop competence in critical thinking concerning multi-dimensional dynamic risk assessment.

Sustainable development is related to techno-economic development along with preserving the environment. A strong need for comprehensive risk management in hydropower projects arises to assure this equity and manage the critical risks more efficiently.





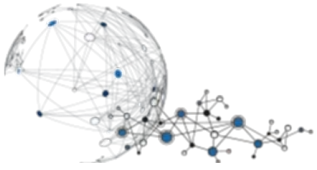


## Course requirements

Participants are expected to have completed Risk Management in Hydropower Development I Virtual training as a cornerstone of the risk management training programme series

Outcome level –Introduction of new practices, guidelines, regulations, or standards securing sustainable hydropower operation or development implemented nationally.





# Rehabilitation and Modernization HP Foundational training

8-10 June

Cluster Affiliation: Operation and Maintenance





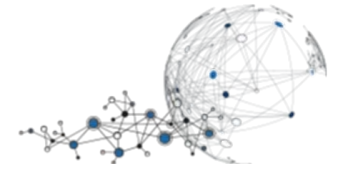
## Our Learning Goals

- Develop competence **in planning and implementing** rehabilitation and upgrading the Hydropower facilities cost-efficient with minimal downtime.
- Develop competence in critical thinking **multi-dimensional dynamic** risk assessment for rehabilitation planning.

This ICH training addresses the need to look at sustainable asset management over the long term, using a risk management and life-cycle analysis approach to optimize rehabilitation programs and justify the need for such capital to their management.

The course is web-based over three short working days and designed for dam owners' middle management and consultants to plan rehabilitation programs on their dams and hydropower assets.





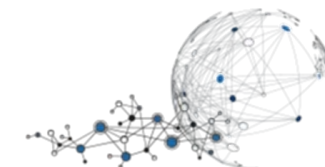
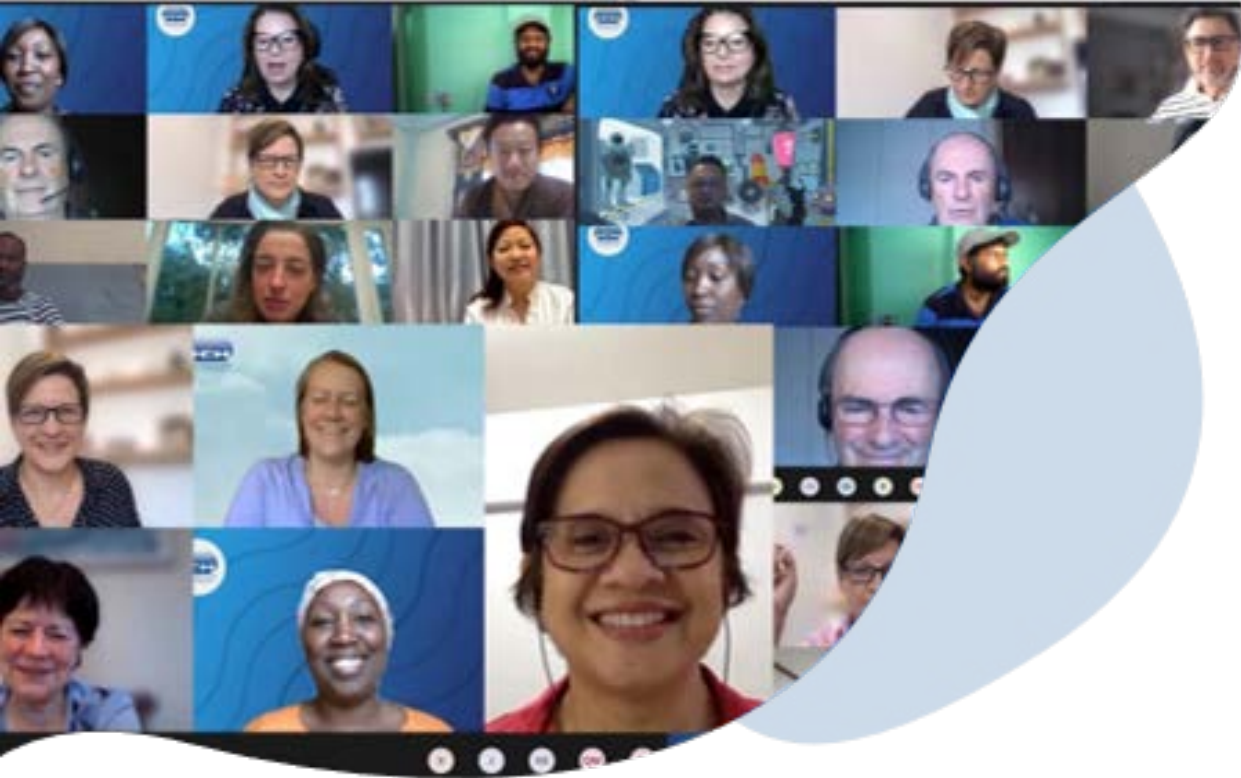
## All Course Description

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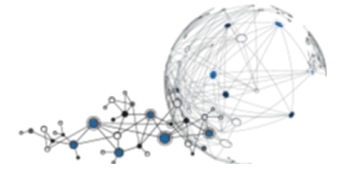


# E-Learning – Sustainability for the hydropower sector

## Objective

To present the different concepts related to sustainability in a real-world format which will standardize the language among the participants.

This online training will be a pre-requisite to apply for all training and education programmes offered by ICH.

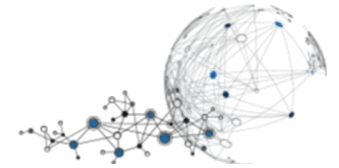


# Target

The course is aimed at personnel from ICH member organizations, as well as to the different stakeholders related to hydropower project planning, development and supervision.







# Methodology

- This is a one-week on-line course that will be available in ICH's virtual training room; it will be mandatory and available to the candidates before they apply to the different programs of ICH's course portfolio.
- Each topic has been selected considering the relevance for sustainability and governance for the industry within a regional and global context.
- The topics will be developed by specialists in different fields, with vast experience in the hydropower and renewable energy sectors.
- Once completed, participants will receive a certificate that enables them to apply for the different courses offered by ICH.



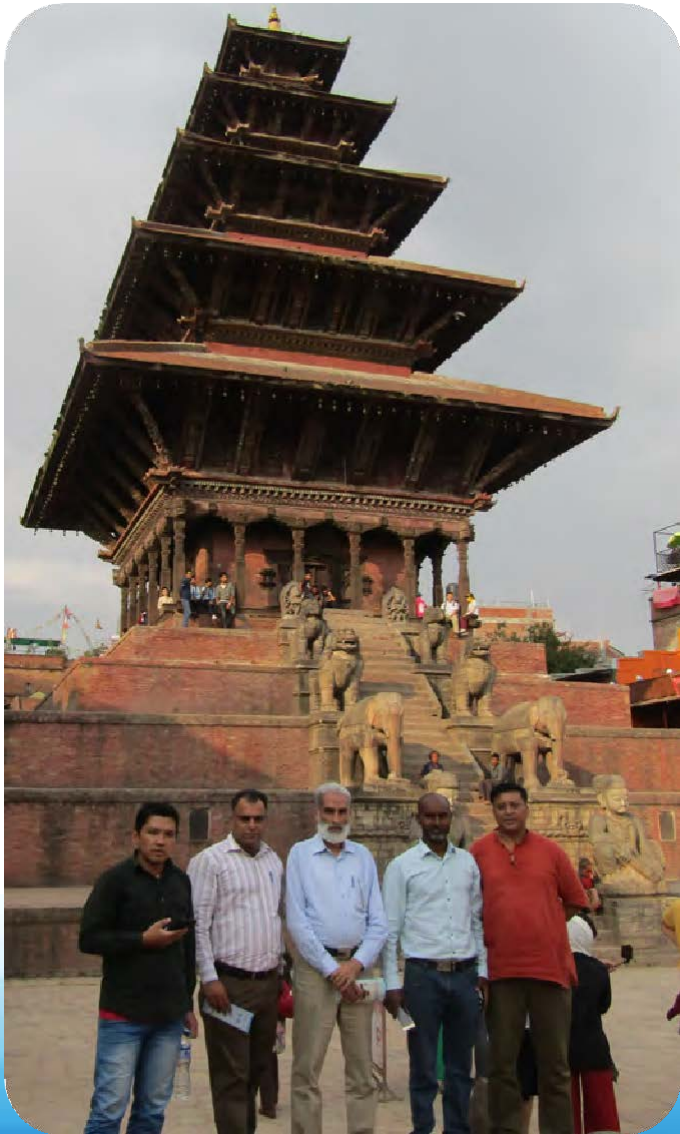
# Thank you so much!

ICH building capacity for a new generation of hydropower practitioners.

For detailed information please contact:  
Laura C. Bull  
Head of Studies ICH  
[laura@ich.no](mailto:laura@ich.no)







## Planned courses:

- **Financial Modelling - *Module II***
- **Sediment Workshop**
- **Turbine Testing Lab mini course**
- **Project Development**
- **Revenue Protection & Smart Metering**
- **Operation and Maintenance – *Module II***
- **Dam Safety Management**

## OBJECTIVES

Advanced level program requiring good knowledge of Financial Modelling processes and some experience. To build institutional capacity for testing scenarios useful for predicting potential financial outcomes.

## TARGET GROUP – 2020/2021 Module-I Participants

Energy investors, Executives, Economists, Financial Analysts, Legal Advisors, and those who are involved in the sector financial forecasting models and PPAs. Priority for qualified participants in 2020/2021 programs from Bhutan, Nepal and Cambodia.

Tentatively in Nepal – Tentative dates – November 2022





# Sediment Workshop - *Nepal*



## OBJECTIVES

The focus on this workshop will be “Planning & Design of Headworks in Sediment Loaded Rivers”.

## TARGET GROUP

Engineers and Hydropower professionals from private and public sectors in the South Asian region, involved in the planning and construction of hydropower projects.

NEPAL – 18–24 September 2022 ( 1 week)

# Turbine Testing Lab mini course (Kathmandu University)

## OBJECTIVES

To get a better understanding of the effects of sediments on the operation and maintenance of hydropower turbines, measures that can be taken to minimise the damage and the way forward through new research and technology development.

## TARGET GROUP

Staff of Kathmandu University and other invited Engineers and Hydropower professionals from private and public sectors in the South Asian region.

NEPAL – September 2022 (1 day)





# Project Development (Bhutan)

## OBJECTIVES

Improved management of projects and work to reduce risks through internal enhancement and sharing of knowledge.

## TARGET GROUP

Selected participants working with Hydropower Development in Bhutan, DGPC and DHPS, but other government agencies and private developers will also be invited to take part.

ONLINE + BHUTAN – Tentative – September (1 day) +  
October 2022 ( 1 week)





## OBJECTIVES

Strengthen participants capacity to:

- Identify revenue losses in the Revenue Management Cycle
- Use Smart metering system to understand energy losses and analyze data
- Conduct security assessments and handle challenges shaping the security needs of utility infrastructure – Physical/Cyber Threats and Vulnerabilities
- Develop and apply best practices in Revenue Protection and Infrastructure Security.

## TARGET GROUP

Customer service managers and call centre, utility investigators, security personnel in power generation, transmission, and distribution utilities, government ministries, educational & research institutions, NGOs, security wings and other suitably qualified personnel dealing with revenue and vandalism issues.

CAMBODIA – Tentative October 2022 ( 1 week)







## OBJECTIVES

Focusing on both theoretical and practical issues, the participants should be able to contribute more effectively to the development and management of the water and energy resources in Indonesia.

## TARGET GROUP – 2021 Module-I Participants

Participants from Tamaris Hydro and Bung Hatta University and officials from state-owned power utilities that are involved in the topic, hereunder technical staff, plant owners, management and those engaged in planning, implementation, and follow-up on maintenance activities in existing power plants.

ONLINE + INDONESIA – Tentative October/November 2022

( 1 day + 1 week)

## OBJECTIVES

Participants will be enabled to improve management of projects and work to reduce risks through internal enhancement and sharing of knowledge.

## TARGET GROUP

Participants from Ministry of Mines and Energy and Electricité de Cambodge and other governmental agencies that have an interest in the topic. Participants from the 2021 virtual training program on the same topic will have priority for this event.

CAMBODIA – November 2022 ( 1 week)





# CONTACT

For more information please contact  
Tom Solberg, Project Director

E-mail: [tom@ich.no](mailto:tom@ich.no)



# How to apply?

## Course portal

- **Account registration:** Needs a valid email address & password. Minimum 6 characters & at least 1 alphabet & 1 number.
  - Recommend to use a permanent email address that would not need to be changed in the event of employment change.
  - Changing email addresses implies having multiple accounts
- **Account activation:** After registration, check your mailbox (even spam folder) for email with verification link. Please click the link to active your account.
- **Reset password:** Please click “Forgot password?” link in login page. Fill in your email address & a reset confirmation email will be sent to you. Follow the link in the email to reset password.

ICH International Centre for Hydropower

Welcome to ICH Online Course site

To update personal information and apply for courses please use the login form below.

Epost: \*

Your e-mail address

Password:

Login

[Not registered?](#)

[Forgot password?](#)

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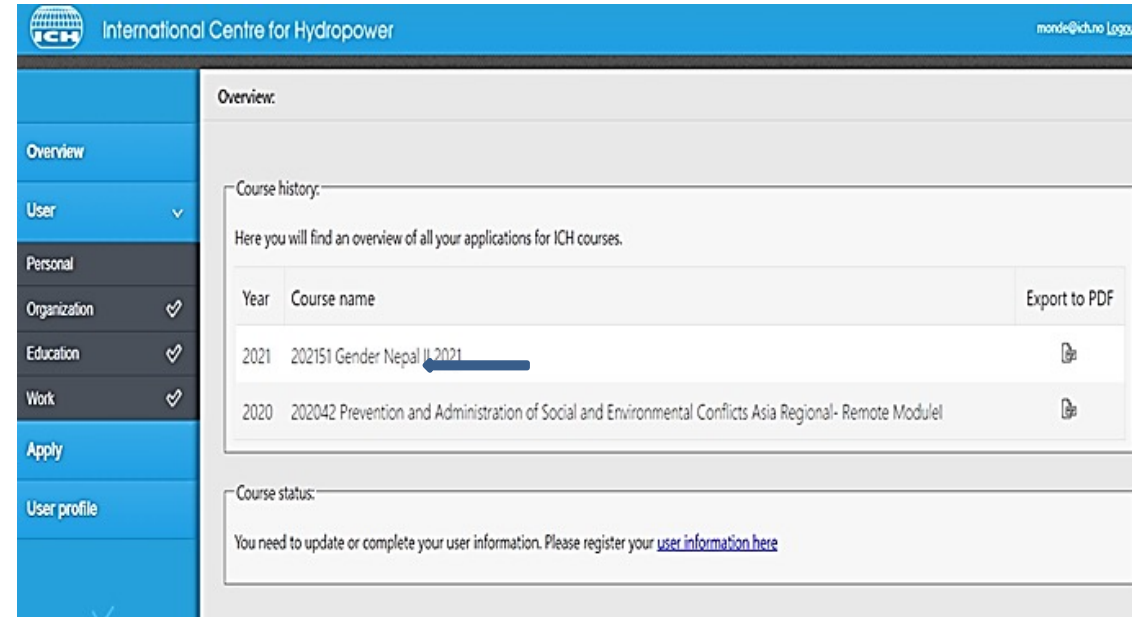
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# How to apply?

## Applying for a course


- Comprehensive information requested is very important
  - In our selection process
  - After the courses during reporting to our partners & funders
- Kindly ensure to diligently fill in all required information
  - When you log in, update your profile by going to “Course Status”
  - Or when you click on Apply, follow the process of updating that comes when you click on “User Information”



The screenshot shows the user dashboard for the International Centre for Hydropower. The header includes the ICH logo and the text 'International Centre for Hydropower' with a user email 'monde@ich.no' and a 'Logout' link. A left sidebar contains navigation options: Overview, User (with a dropdown arrow), Personal, Organization (with a checkmark), Education (with a checkmark), Work (with a checkmark), Apply, and User profile. The main content area is titled 'Overview' and contains a 'Course history' section. Below this heading, it says 'Here you will find an overview of all your applications for ICH courses.' A table lists two courses:

Year	Course name	Export to PDF
2021	202151 Gender Nepal II 2021	
2020	202042 Prevention and Administration of Social and Environmental Conflicts Asia Regional- Remote Module1	

Below the table, there is a 'Course status' section with the text: 'You need to update or complete your user information. Please register your [user information here](#)'.



The screenshot shows the user dashboard for the International Centre for Hydropower. The header includes the ICH logo and the text 'International Centre for Hydropower'. A left sidebar contains navigation options: Overview, User (with a dropdown arrow), Personal, Organization (with a checkmark), Education (with a checkmark), Work (with a checkmark), Apply, and User profile. The main content area is titled 'Apply for a course' and contains the message: 'You have not completed the user registration. Please go back and fill out your [user information](#)'. A blue arrow points upwards from the 'Apply for a course' title towards the top of the page.

# How to apply?

When ICH portal pages are not opening and you get error responses, please get in touch for assistance before you open new accounts.

It could help to check your internet/browser settings and permissions. Opening from another computer with different settings has worked for some people before.

**WE'RE LOOKING FORWARD TO RECEIVING YOUR APPLICATIONS!! 😊**





**Q & A**



**Energy connects us,  
ICH keeps us together!**



International Centre  
for Hydropower

**Thank You!**