



ICH PRESENTS THE 2022 COURSE PORTFOLIO

AFRICA

17.02.2022



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 African course portfolio by Head of Africa, Ms. Carole Rosenlund**
- **How to apply to ICH's courses by Project Manager Ms. Monde Hamududu**
- **Q&A**

Welcome to ICH!

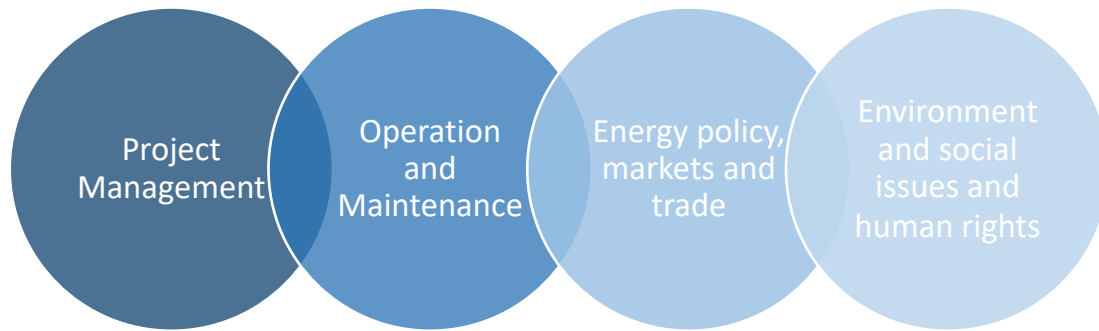
70
countries

30%
women

3743
participants

in **150**
courses

The ICH Course Structure



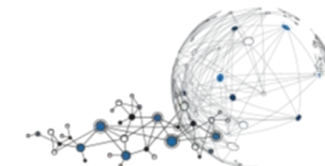
- All ICH-courses belong to a thematic cluster
- The courses will be offered on an online, an on-site or a hybrid platform – also after the pandemic
- We expect attendance and diligently executed homework and group assignments
- In return you will receive an ICH course certificate
- Please respond to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



ICH INTERNATIONAL 2022 COURSE PORTFOLIO



1



Social and Environmental Monitoring II

23-25 March

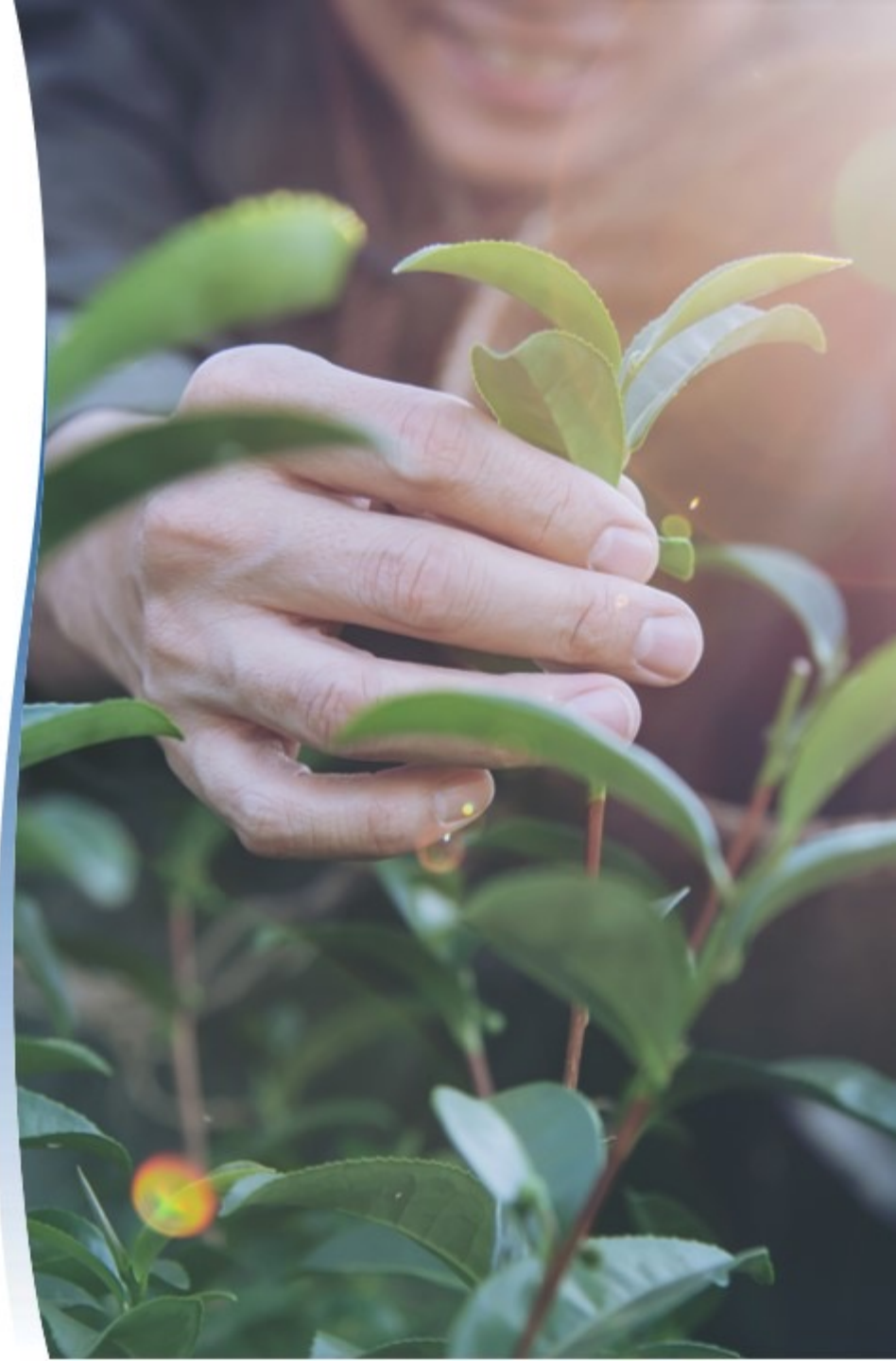
Cluster Affiliation:
Environment & social
issues and human rights

***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.

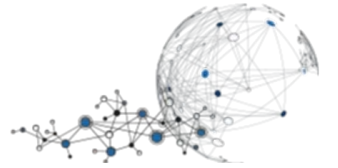
Compliance as a quality improvement with the role of supervision. Dealing with the unexpected and corrective action plans within an integrated Environmental and Social Management System.

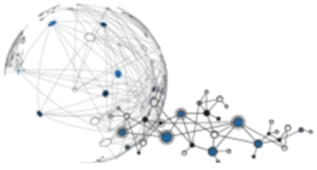


Course Description

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





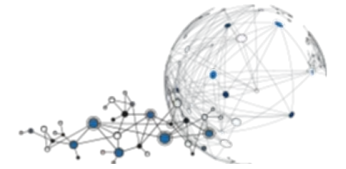
Resettlement I

4 - 6 April

Cluster Affiliation:
Environment & social issues
and human rights

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

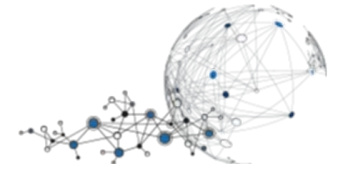




The online training aims to provide a framework for assessing resettlement risks and plan effective programs unique to each situation and Context.

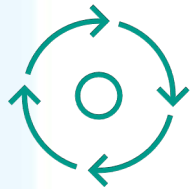
The training will provide tools for the planning and implementing resettlement programs that contribute to fulfilling social obligations, commitments, and long-term development goals. Participants to bring their own experiences, concerns and lessons learned.





Course requirements

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

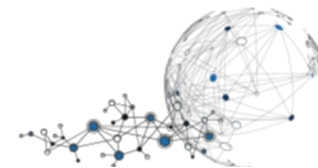


Outcome level

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



3

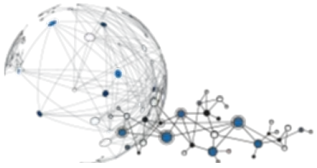


Risk Management in Hydropower Development II

18-20 May

Cluster Affiliation: Project Management

*ICH driving
sustainability efforts !*



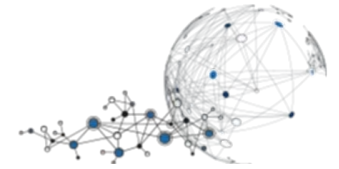
Risk context addresses the individual and group attitudes and behaviors that affect how risk arises and managing it. The case studies delivered in the course will seek to understand the relationships that illustrate the complexity and critical thinking required to address risks.

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.



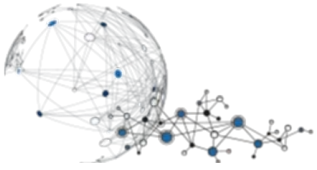


Course requirements

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



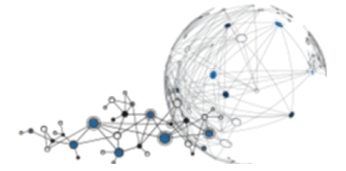
Our Learning Goals

- 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.



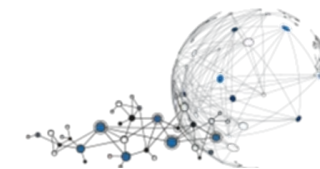
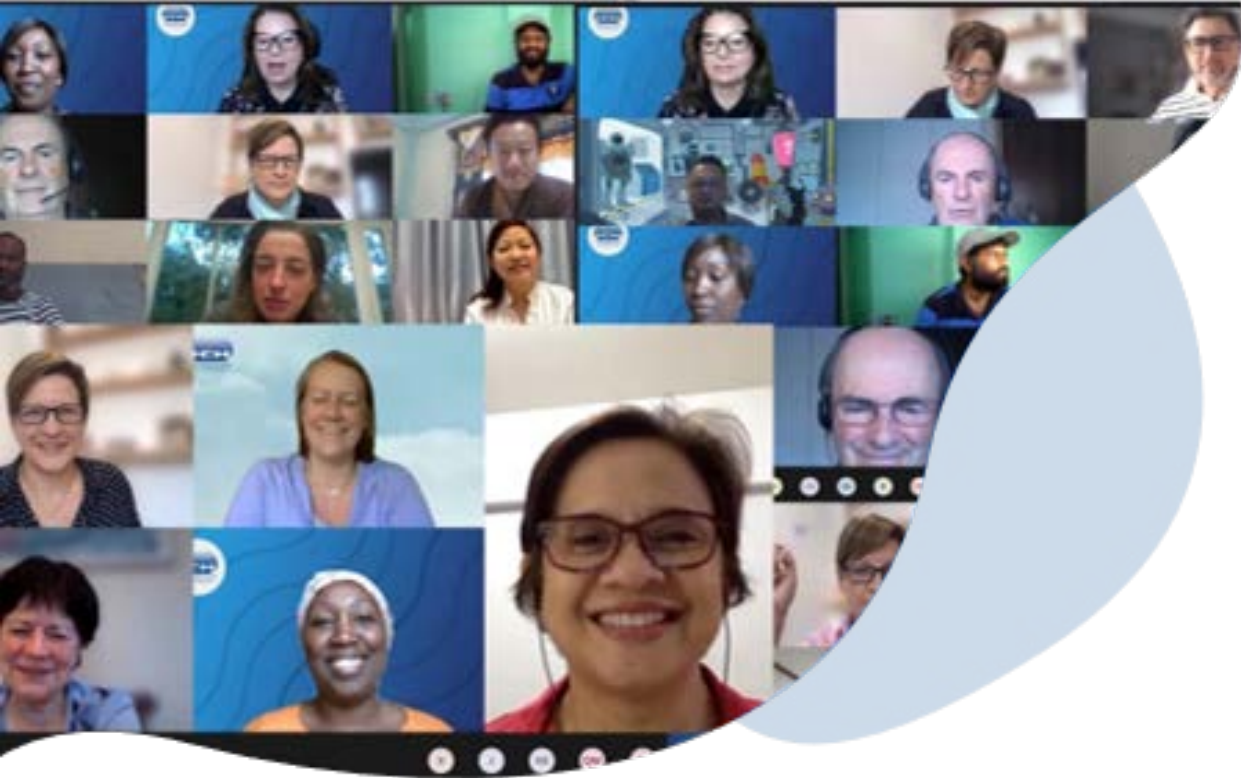


All Course Description

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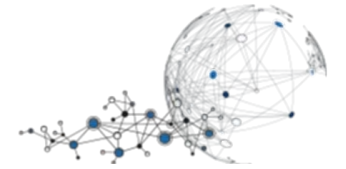


E-Learning – Sustainability for the hydropower sector

Objective

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

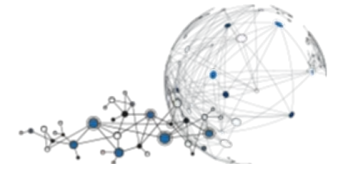
This online training will be a pre-requisite to apply for all training and education programmes offered by ICH.



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



Planned courses:

- Health, Safety, Security and Environment
- Revenue Protection, Infrastructure & Security Metering - *Module II*
- Financial Modelling - *Module II*
- Reservoir Sediment Management - *Module II*
- Dam safety Management - *Module II*
- Operation and Maintenance – *Module II*
- ESIA, Compliance & Risk Management in Hydropower - *Module II*
- Regional Power Market – *Grid & Market Integration*

HSSE (Health, Safety, Security & Environment)

OBJECTIVES

- Enhance participants HSSE management skills
- Establish and maintain safe and secure working conditions
- Support the implementation of effective maintenance programme

COURSE OVERVIEW

A comprehensive in-depth training addressing key HSSE challenges of working with hydropower facilities whilst offering vital tools and strategies that will support the development and continued improvement of a fully sound, health-promoting, safe work environment.

Sharing experience will be an important part of the course and the course format will alternate between dissemination of knowledge, dialogue, group work, practical exercises and homework.

TARGET GROUP

Plant operators, Project Managers, Technical personnel, HSE Officers and Trainers, O & M service providers

ONLINE COURSE – May 2022 (9th -13th)





OBJECTIVES

Strengthen participants capacity to:

- Identify revenue losses in the Revenue Management Cycle
- Use Smart metering system to understand energy losses and analyse 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

COURSE OVERVIEW

The course will cover in detail the processes, standards and meter life cycle management. In addition, this interactive onsite training will provide participants with practical hands-on exercises for evaluating and mitigating revenue losses. Case studies, groupwork, assignments and a site visit are part of the course format.

TARGET GROUP – 2020/2021 Module-I Participants

Utility executives & personnel, revenue protection staff, metering personnel, business analysts, finance officers, security personnel

UGANDA – Tentative dates – June 2022 (1 week)

OBJECTIVES

To build workforce and institutional capacity in Africa for well formulated financial models and PPAs that are reflective of key business assumptions and applicable to test scenarios useful for predicting potential financial outcomes.

COURSE OVERVIEW

Case studies & assignments/groupwork

Module II will be an intensive hands-on approach building on *Module I* and focused on developing financial modelling skills through the evaluation and analysis of real-life case studies in the power sector. This will feature PPA structuring, investment analysis and operational scenario evaluation including risk assessment.

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

SOUTH AFRICA – Tentative dates - July 2022 (4 Days)





OBJECTIVES

Build capacity on practical cost effective innovative, technical solutions to manage reservoir sedimentation for optimum benefits of water resources in Africa.

COURSE OVERVIEW

Case studies, assignments & groupwork detailing strategies and techniques for monitoring and managing sediments in reservoirs. This will include site visits and practical exercises.

TARGET GROUP – 2020/2021 Module-I Participants

Reservoir owners & operators, dam engineers, government water resource and energy agencies, utility managers and field level experts. Executives of power companies, ministries, and relevant private sector enterprises.

ON-SITE COURSE – August 2022 (1 week)

OBJECTIVES

To build and strengthen participants' understanding of the key elements involved in designing, implementing, and managing an effective dam safety program.

Strengthening institutional capacity to foster the safe operation of dam infrastructure, mitigating risk whilst safeguarding the sustainable development of hydropower projects.

COURSE OVERVIEW

Reflective case studies & assignments/groupwork including a comprehensive technical site visit form the base of this training. The course will be focused on practical processes and techniques that support safe dam operations whilst dealing with the extreme events such as climate change.

TARGET GROUP – 2020/2021 Module-I Participants

Dam operators & owners, managers and field level experts, dam surveillance engineers, executives of power companies, ministries, water resource and energy agencies, and relevant private sector enterprises with dam operation and management responsibility.

ON-SITE COURSE – August 2022 (1 week)





OBJECTIVES

To facilitate participants with the capacity to identify performance indicators that support the maintenance decision-making process.

COURSE OVERVIEW

Case studies & assignments/groupwork

Practical guidance for preparing O & M strategies and implementation of comprehensive operating programmes and procedures.

SITE VISIT with practical hands-on exercises

TARGET GROUP – 2020/2021 Module-I Participants

Engineers and technicians with experience from hydropower plants in Africa, Technical staff, Management and those engaged in planning, implementation, and follow-up on maintenance activities.

ON-SITE COURSE – Tentative – September 2022 (1 week)

OBJECTIVES

Insights into the footprint hydropower projects can impart on the surrounding/displaced communities.

Further participants knowledge on best practices and practical safeguards that will ensure positive outcomes and reduces impacts on both the communities and their surroundings.

COURSE OVERVIEW

Case studies & assignments/groupwork

This course will illustrate innovative SIA and thematic cross-cutting approaches required for sustainable hydropower development, focusing on vulnerability communities, gender considerations, climate adaptation, payments for ecosystem services and management of stakeholders.

Learning will include site visits to a hydropower facility and resettlement communities.



TARGET GROUP – 2020/2021 Module-I Participants

Utility executives & personnel, Ministries, Authorities, NGO's, relevant private enterprises, and others working with development of water resources requiring structured knowledge of the ESIA process.

GHANA – Tentative – October 2022 (1 week)

**Women are
encouraged
to apply!**



OBJECTIVES

Provide participants with the insights on how to evaluate renewable energy offerings, balance PPA obligations whilst maintaining grid stability.

COURSE OVERVIEW

Market perspective
Regulatory perspective
System operation perspective
Modelling perspective

TARGET GROUP

Energy Regulators from the region, Executives and Traders of power companies, Lawyers, Energy sector investors and developers, National system operator(s), EAPP/SAPP/WAPP members representing the regional power exchange, relevant private sector enterprises.

KENYA – Tentative – October 2022 (1 week)

CONTACT

For more information please contact

[Carole Rosenlund, Head of Africa](#)

E-mail: carole@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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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

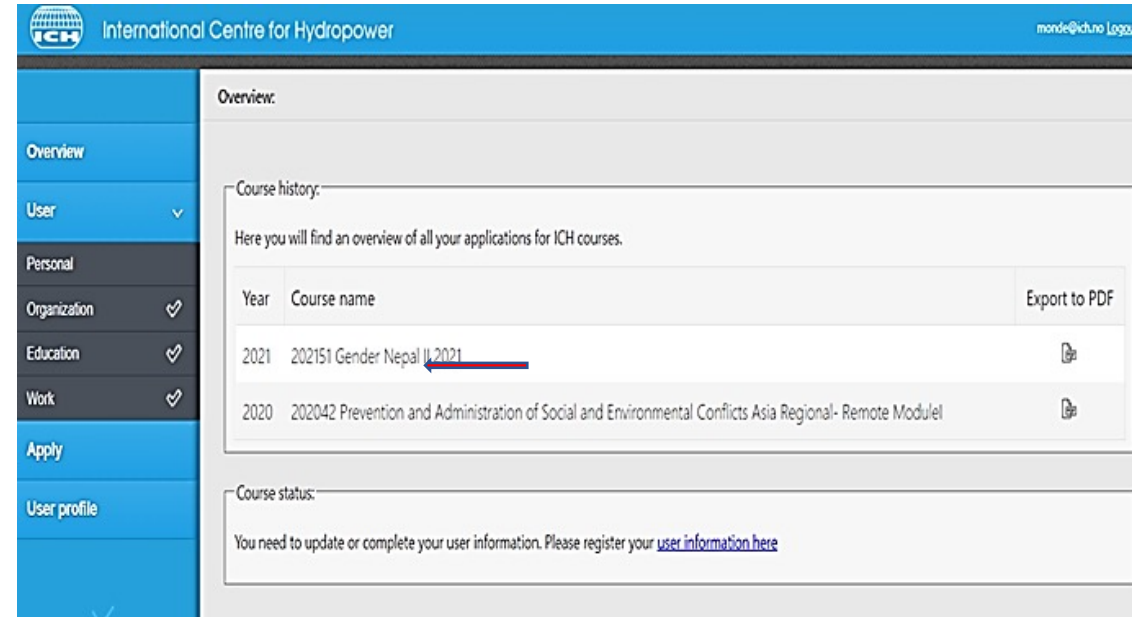
[Not registered?](#)

[Forgot password?](#)

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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 left sidebar contains navigation options: Overview, User, Personal, Organization, Education, Work, Apply, and User profile. The main content area is titled "Overview" and contains a "Course history" section. Below this section is a table with columns for Year, Course name, and Export to PDF. The table lists two courses: 2021 Gender Nepal II and 2020 Prevention and Administration of Social and Environmental Conflicts Asia Regional- Remote Module I. A red arrow points to the 2021 course name. Below the table is a "Course status" section with a message: "You need to update or complete your user information. Please register your [user information here](#)".

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 Module I	



The screenshot shows the user dashboard for the International Centre for Hydropower. The left sidebar contains navigation options: Overview, User, Personal, Organization, Education, Work, Apply, and User profile. The main content area is titled "Apply for a course" and contains a message: "You have not completed the user registration. Please go back and fill out your [user information](#)". A red arrow points to the top right corner of the dashboard.

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!! 😊