



ICH PRESENTS THE 2022 COURSE PORTFOLIO

LATIN AMERICA

22.02.2022



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 Latin American course portfolio by Head of LAC, Ms. Laura Bull**
- **How to apply to ICH's courses by Project Manager Ms. Monde Hamududu**
- **Q&A**

Welcome to ICH!

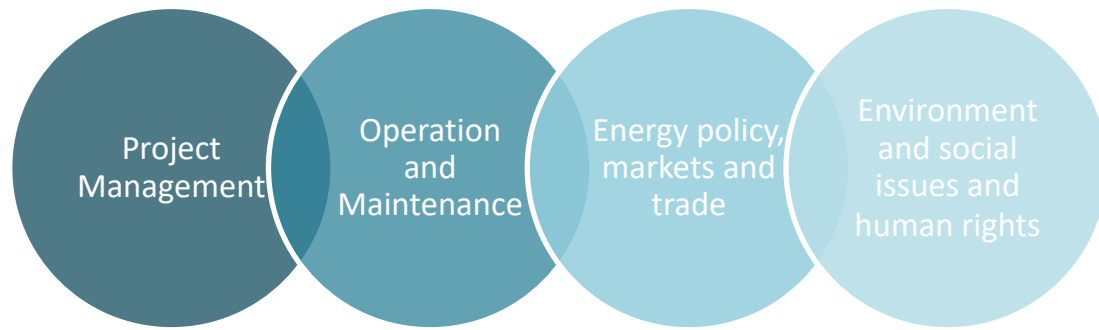
70
countries

30%
women

3743
participants

in **150**
courses

The ICH Course Structure



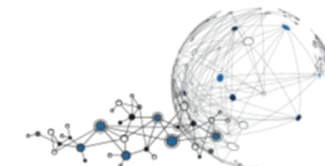
- All ICH-courses belong to a thematic cluster
- The courses will be offered on an online, an on-site or a hybrid platform – also after the pandemic
- We expect attendance and diligently executed homework and group assignments
- In return you will receive an ICH course certificate
- Please respond to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



ICH INTERNATIONAL 2022 COURSE PORTFOLIO



1



Social and Environmental Monitoring II

23-25 March

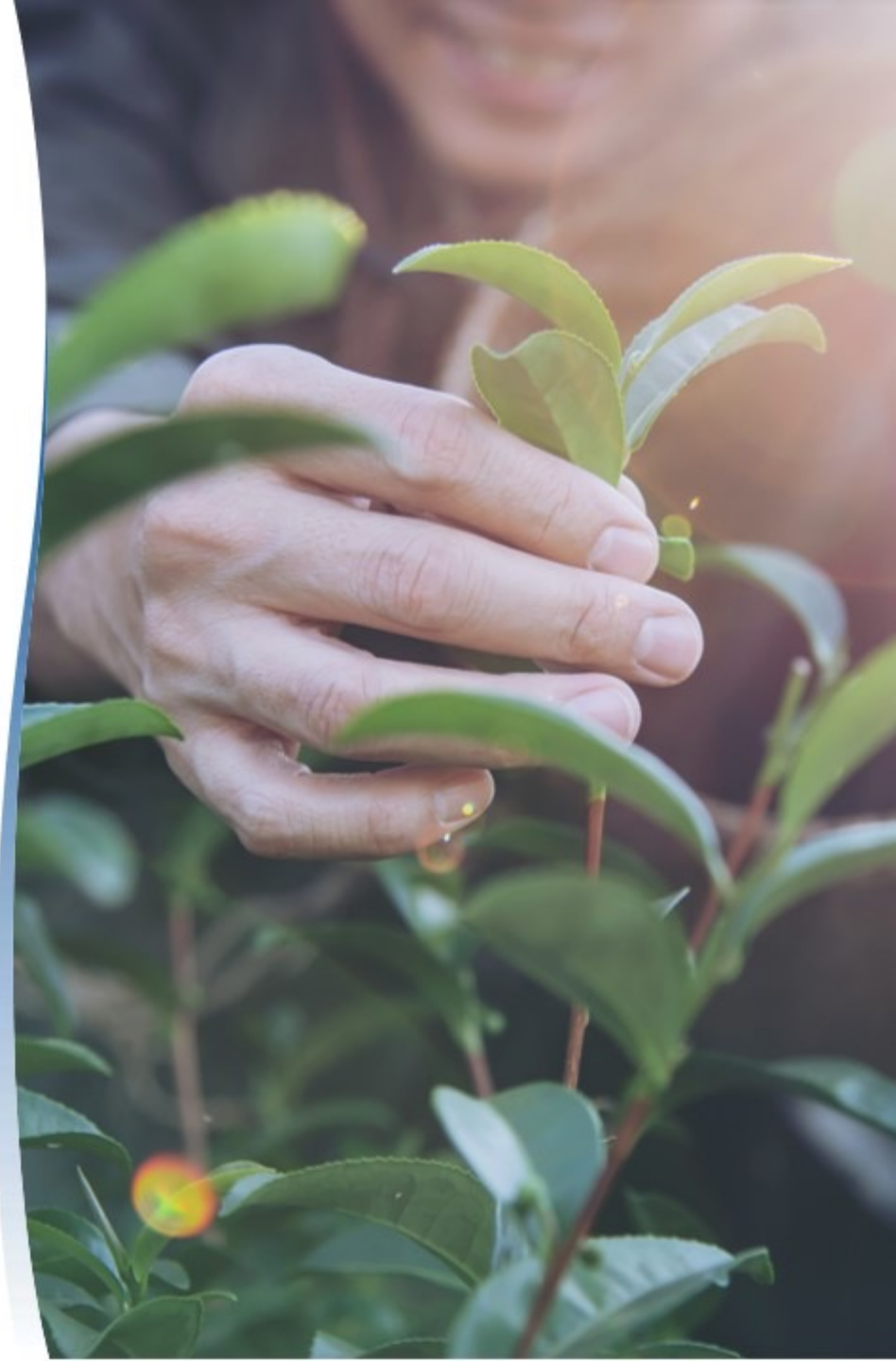
Cluster Affiliation:
Environment & social
issues and human rights

***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.

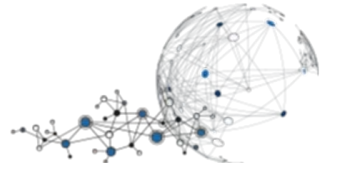
Compliance as a quality improvement with the role of supervision. Dealing with the unexpected and corrective action plans within an integrated Environmental and Social Management System.

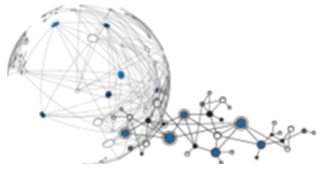


Course Description

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





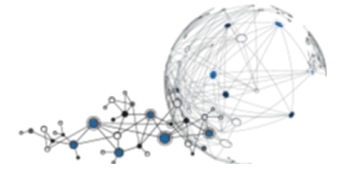
Resettlement I

4 - 6 April

Cluster Affiliation:
Environment & social issues
and human rights

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

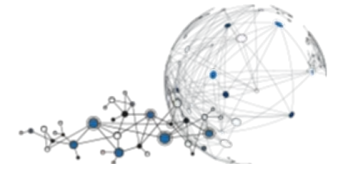




The online training aims to provide a framework for assessing resettlement risks and plan effective programs unique to each situation and Context.

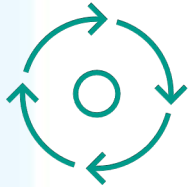
The training will provide tools for the planning and implementing resettlement programs that contribute to fulfilling social obligations, commitments, and long-term development goals. Participants to bring their own experiences, concerns and lessons learned.





Course requirements

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

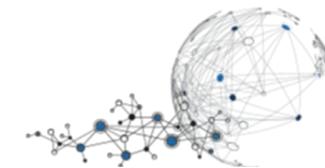


Outcome level

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



3

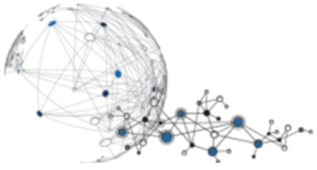


Risk Management in Hydropower Development II

18-20 May

Cluster Affiliation: Project Management

*ICH driving
sustainability efforts !*



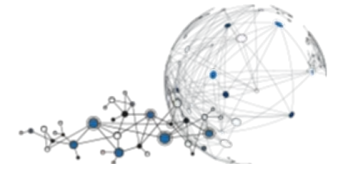
Risk context addresses the individual and group attitudes and behaviors that affect how risk arises and managing it. The case studies delivered in the course will seek to understand the relationships that illustrate the complexity and critical thinking required to address risks.

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.



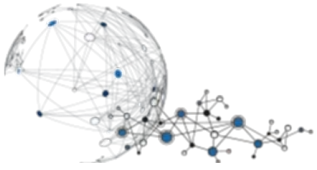


Course requirements

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



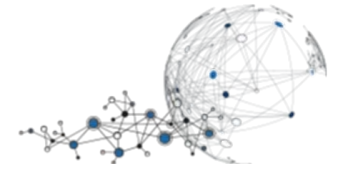
Our Learning Goals

- 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.



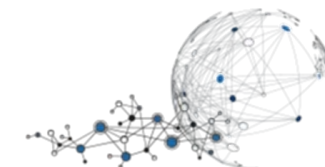
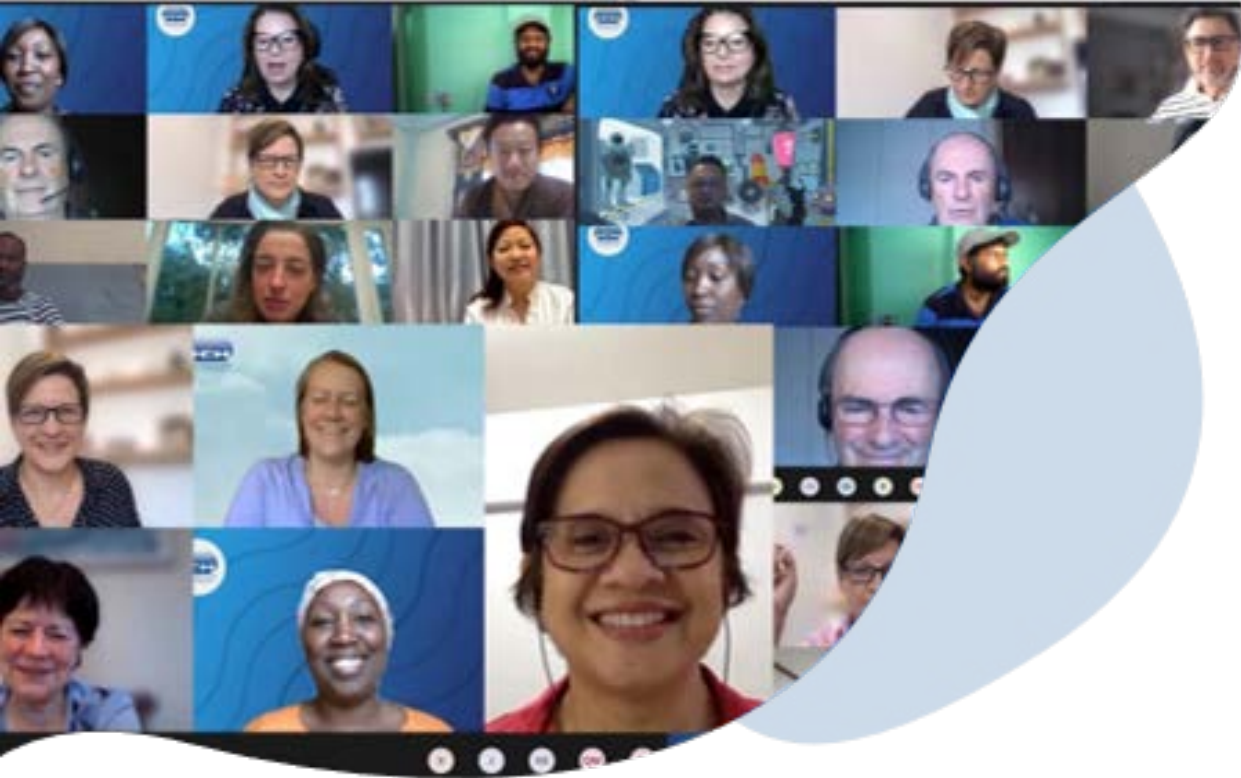


All Course Description

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.



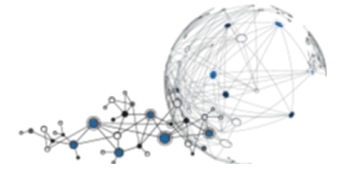


E-Learning – Sustainability for the hydropower sector

Objective

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

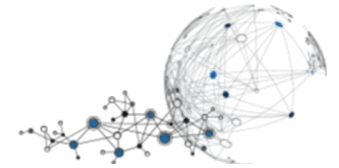
This online training will be a pre-requisite to apply for all training and education programmes offered by ICH.



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

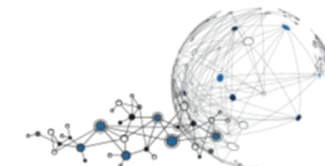


**Presentamos los cursos que
guiarán nuestro 2022**



Programa tu agenda
**para que podamos seguir
construyendo juntos**

1



Monitoreo Social y Ambiental II

23-25 de marzo

Clúster de Afiliación:
Temas ambientales &
sociales y derechos
humanos

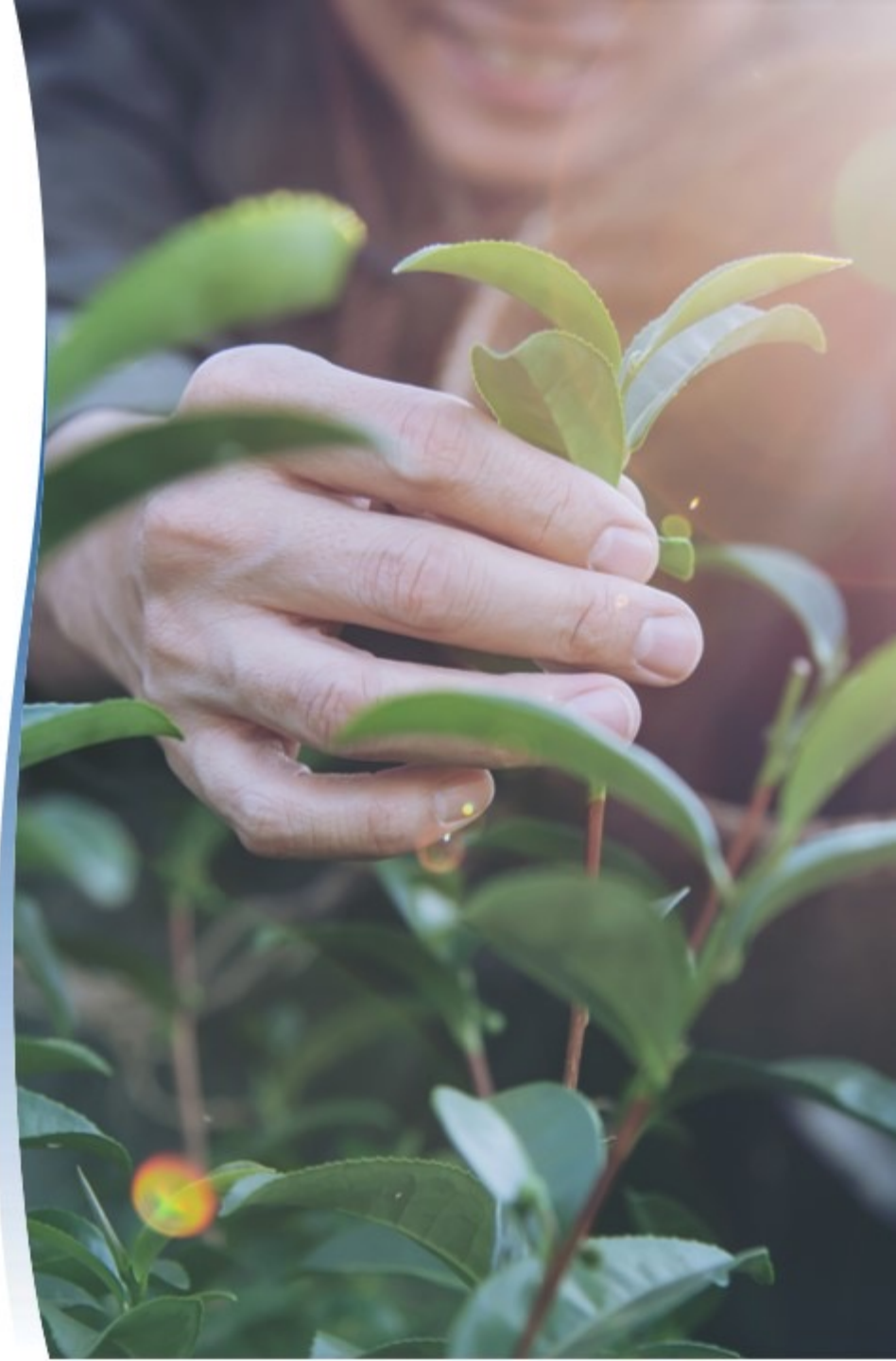
***¡ICH Creación de valor a
través de la educación!***

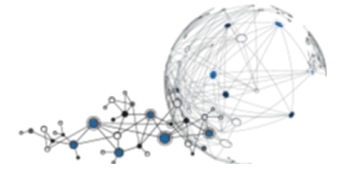
Nuestros Objetivos de Aprendizaje

- Brindar herramientas para la planificación e implementación de programas de monitoreo social y ambiental que contribuyan al cumplimiento de las obligaciones y compromisos ambientales y sociales.
- Desarrollar competencias en el proceso de monitoreo ambiental y social.

El cumplimiento mejora la calidad en el rol de la supervisión. Abordar lo inesperado y tener planes de acción correctiva dentro de un Sistema Integrado de Gestión Ambiental y Social.

El curso cubrirá la importancia de la legislación nacional, las directrices empresariales y los requisitos de la banca multilateral. Los casos de estudio exitosos y las lecciones aprendidas de los Planes de Acción Ambiental y Social (PAAS) darán a los participantes los criterios para actualizar y revisar los documentos de planificación y cumplimiento con relación a sus ambientes de trabajo.





Nivel de resultados



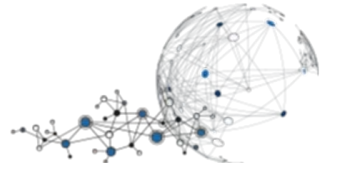
Introducción de nuevas prácticas, directrices, reglamentos, o estándares que aseguren una operación o desarrollo sostenible de las hidroeléctricas implementadas a nivel nacional.

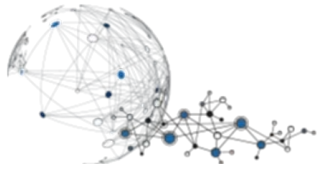


Descripción del Curso

La versión en línea ha sido diseñada para integrar el conocimiento con la experiencia y promover la interacción y la colaboración.

- Transmisión de sesiones virtuales
- 3 horas de contenido en línea
- Tiempo total de dedicación 6 horas diarias.
- Se realizarán asignaciones grupales y asignaciones individuales.





Reasentamientos I

4 - 6 de abril

Clúster de Afiliación: Temas ambientales & sociales y derechos humanos.

¡ICH Desarrollando oportunidades a través de la educación!

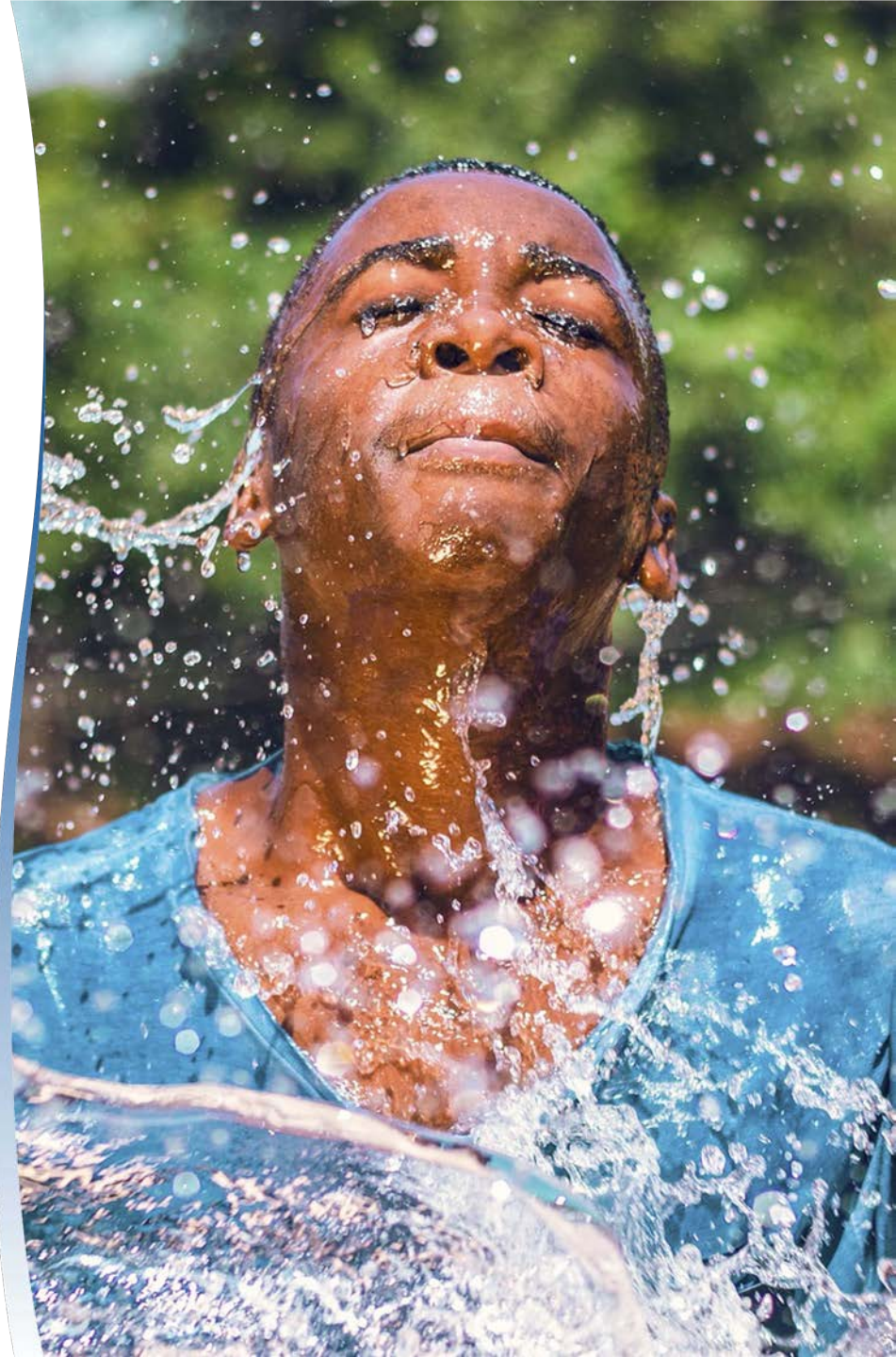


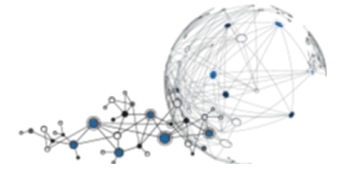
Nuestros Objetivos de Aprendizaje

- Brindar herramientas para la planificación e implementación de programas de reasentamiento que contribuyan al cumplimiento de las obligaciones y compromisos sociales.



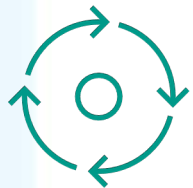
El reasentamiento y sus impactos constituyen el riesgo social más significativo en la implementación de esquemas hidroeléctricos. La restauración de los medios de vida es compleja y puede llevar a situaciones sociales a largo plazo para las comunidades.





Requisitos del curso

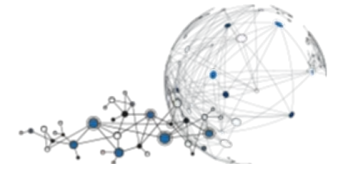
Se espera que los participantes hayan completado ambas partes de la capacitación virtual PREMACA como parte esencial para el programa de capacitación en reasentamientos.



Nivel de resultados

Desarrollar competencias en el proceso de reasentamiento y sus impactos asociados.





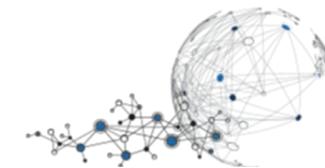
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- Tiempo total de dedicación 6 horas diarias.
- Se realizarán asignaciones grupales y asignaciones individuales.



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Gestión del Riesgo en el Desarrollo de Hidroeléctricas II

18-20 de mayo

Clúster de Afiliación: Gestión
de Proyectos.

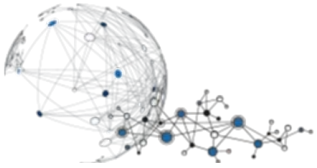
***¡ICH impulsando esfuerzos
de sostenibilidad!***

Nuestros Objetivos de Aprendizaje

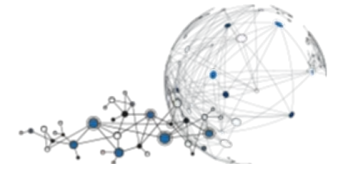
- Desarrollar competencias sobre el proceso y herramientas de análisis para los impactos económicos, sociales y ambientales relacionados con las hidroeléctricas que se deben considerar a lo largo del ciclo del proyecto.
- Desarrollar habilidades de pensamiento crítico con respecto a la evaluación de riesgo multidimensional y dinámica.

El desarrollo sostenible está relacionado con el desarrollo tecnológico y económico y la preservación del ambiente. Surge entonces una gran necesidad de realizar gestión integral de riesgo en los proyectos hidroeléctricos para asegurar este capital y manejar los riesgos críticos de manera más eficiente.



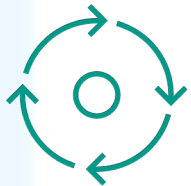


El contexto del riesgo aborda actitudes y conductas individuales y grupales que afectan la forma en que este surge y se gestiona. Los estudios de casos entregados en el curso buscarán comprender las relaciones que ilustran la complejidad y el pensamiento crítico requerido para abordar los riesgos.



Requisitos del curso

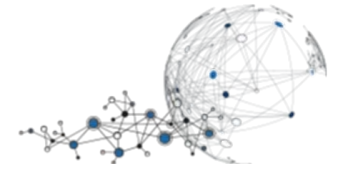
Se espera que los participantes hayan completado la capacitación virtual Gestión de Riesgo en el Desarrollo de Hidroeléctricas I como parte esencial de la serie de programas de capacitación en gestión de riesgo.



Nivel de resultados

Introducción de nuevas prácticas, directrices, reglamentos, o estándares que aseguran la operación o Desarrollo sostenible de hidroeléctricas implementadas a nivel nacional.



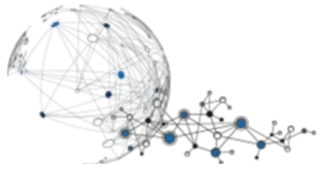


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Capacitación en Fundamentos de Rehabilitación y Modernización de Hidroeléctricas

8-10 de junio

Clúster de Afiliación: Operación y Mantenimiento.



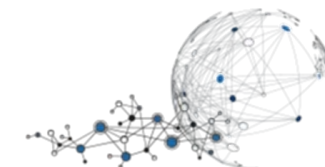
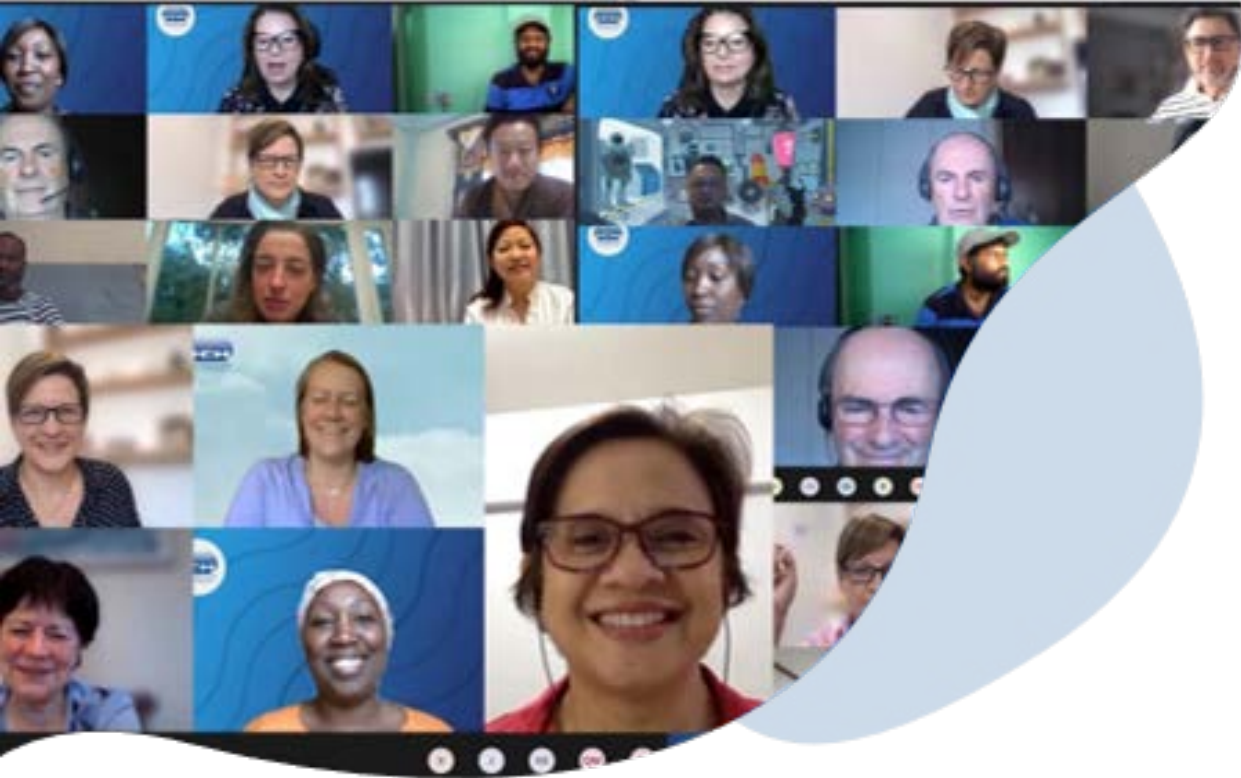
Nuestros Objetivos de Aprendizaje

- Desarrollar competencias **en la planificación e implementación** de rehabilitación y mejoramiento de plantas hidroeléctricas de manera costo eficiente con un tiempo mínimo fuera de operación.
- Desarrollar competencias en el análisis de riesgo **dinámico y multidimensional** con pensamiento crítico para la planificación de la rehabilitación.

Durante la década del 2020 la mayoría de nuestras represas y plantas hidroeléctricas postguerra excederán su vida útil de diseño de 50 a 60 años. Los propietarios financieramente robustos de estos activos ya están realizando rehabilitación y mejoras, pero muchos propietarios de represas carecen del financiamiento para realizar los trabajos de rehabilitación necesarios.

Esta capacitación de ICH aborda la necesidad de analizar la gestión sostenible de activos a largo plazo, utilizando la gestión de riesgo y el análisis de ciclo de vida para optimizar los programas de rehabilitación y justificar la necesidad de contar con dicho capital para su gestión.



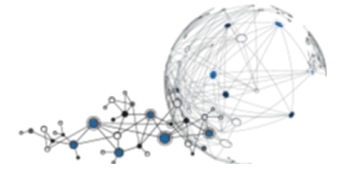


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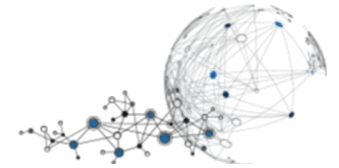
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! Muchas gracias !

ICH desarrollando capacidades
para una nueva generación de
profesionales en hidroelectricidad



ELECTRICITY TRANSMISSION AND DISTRIBUTION FOR THE FUTURE

Cluster affiliation: Operation and Maintenance

Objective:

The large-scale introduction of intermittent renewable energy sources, connected into the electricity grid through power converters, changes the dynamics of said grid and how it must be planned and operated. This course aims at giving the students the necessary competence for them to meet this new challenge.

Learning goals:

- gain understanding on how modern transmission-/ distribution-grids work and operate
- know the actors and their role in the power sector.
- know the environmental and social implications of transmission-/ distribution grids.
- gain understanding of the importance of the grid for the electricity market

5 days online course, planned in spring 2022 for LAC

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?](#)

lumamedia

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ICH International Centre for Hydropower

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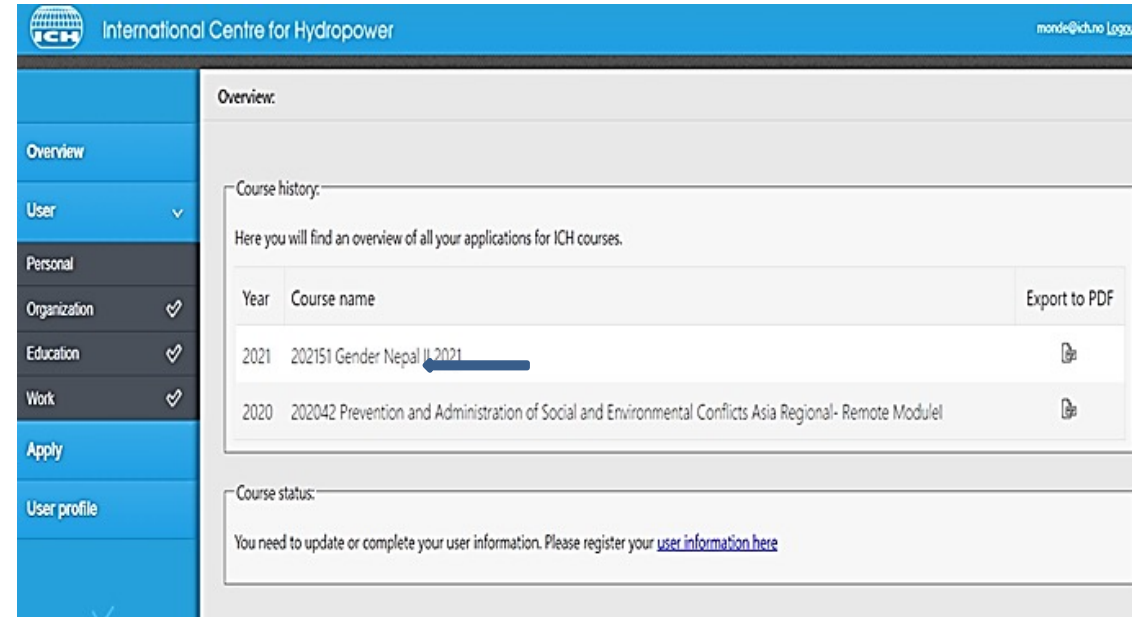
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How to apply?

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 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" button in the sidebar to the "Apply for a course" section.

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!! 😊

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



International Centre
for Hydropower

Thank You!