IAHR UNI GEAHH Young Professionals Network 2023 Annual Report of Activities



Young Professionals Network Hosted by Spain Water and IWHR, China

1. Our vision and mission

Grupo Estudiantil Aplicado a Hidráulica e Hidrología (GEAHH), we are a group of the Faculty of Civil Engineering dedicated to promoting and contributing knowledge and experiences concerning hydraulics and hydrology through various activities.

2. Main goals and key objectives in 2023

We aimed to increase our knowledge dissemination activities through various activities such as webinars, workshops, technical visits, and informative flyers, among others. In addition to unifying us as a group and strengthening the relationship between members and associated entities.

3. Activities in 2023

	"WATER DAY" WEBINAR SERIES
<image/>	Date/s
	23-24-25 February 2023
	Venue
	Online
	Objectives
	In commemoration of the Water Day,
	we held a series of presentations by
	leading researchers.
	Description
	This event shares the knowledge and
	experience of leading researchers
IAHR UNI - GEAHH Young Professionals Network 🕜 📴 🛅	concerning water issues, their
	importance, and challenges to be
	taken into consideration in order to
	provide solutions.



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TORTUDATOS

Date/s

Any date in 2023

Venue

Online

Objectives

Disseminate knowledge of basic topics

related to water resources.

Description

Informative and easy-to-learn flyer or video publications for all interested audiences.

INTEGRATION TOUR
Date/s
26 March 2023
Venue

"Estudiantes hoy icos e hidrólogos si



Ricardo Palma" Country Club

Objectives

Improve the relationship between members through group dynamics, sports, and lunch.

Description

Recreational activities and sports among members at the country club, in addition to a group lunch.



EXPANSION OF THE UNIVERSITY WATER RESOURCES ALLIANCE

Date/s

29 March 2023

Venue

Online and presential

Objectives

Expand partnerships and promote the Water Resources branch through events and collaborations throughout the year.

Description

We made an alliance between student groups from other universities such as GESIH (USIL), IDI (UPC), WER (UTEC), GEMRA (PUCP), CIDRHI (UNALM), and GIHREHMA (UNMSM) all with the same objective of expanding knowledge in water resources.



CONVOCATORIA GEAHH 2023-1

Date/s

23 April 2023

Venue

Online

Objectives

Know the occasions when knowledge of hydraulics and hydrology, the mission, vision, and objectives of our student group is very important.

Description

Dynamics, activities, and a raffle of semi-scholarships offered by Gesconvial to the participants were developed, where they will be able to take advantage and further develop their knowledge in engineering

VIRTUAL CURSO - TALLER BÁSICO: GOLDSIM - MODELAMIENTO Y BALANCE DE AGUAS

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antes, egresados y profesionales sados en recursos hídricos y minería.

RONOGRAMA: VÍA ZOOM (19:00-22:00 (UTC-5) SESIÓN 1 LUNES 12 DE JUNIO

GEAHH



Basic Course-Workshop "GoldSim -Water Modeling and Balance"

Date/s

12-16 June 2023

Venue

Online

Objectives

Provide training to students, graduates, and professionals related to the hydraulic design of riparian protections

Description

In 3 sessions, an introduction to the GoldSim environment, hierarchical models, and basic examples of GoldSim models will be given, to finally perform probabilistic simulations in various scenarios



Participation in the FIC Student Group Fair

Date/s

8 September 2023

Venue

Courtyard of the Faculty of Civil

Engineering - UNI

Objectives

Showcase and promote the knowledge and activities provided by GEAHH to UNI Civil Engineering students.

Description

All the groups of the Faculty of Civil Engineering of UNI were present to show their activities, being GEAHH a participating group in the fair attracting students interested in the branch of hydraulics and hydrology.



2ND STUDENT MEETING ON WATER RESOURCES

Date/s

21-22-23 September 2023

Venue

Online/ UPC and UNMSM Campus

Auditorium

Objectives

In commemoration of our alliance, we held this event intending to get to know the water world of civil engineering and related branches.

Description

This event consisted of a series of presentations by guest researchers from the 7 student groups, integration dynamics, and more benefits to our members.



CONVOCATORIA GEAHH 2023-2

Date/s

17 September 2023

Venue

Online

Objectives

Know the occasions when knowledge of hydraulics and hydrology, the mission, vision, and objectives of our student group is very important.

Description

Dynamics, activities, and a raffle of semi-scholarships offered by Gesconvial to the participants were developed, which they will be able to take advantage of and further develop their knowledge in engineering.



Course-Workshop "Hydraulic Design of Riparian Protections"

Date/s

13-15 October 2023

Venue

Online

Objectives

Provide training to students, graduates, and professionals related to the hydraulic design of riparian protections **Description**

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In 3 sessions, the topics of Types of protections, Hydraulic design criteria and HEC-RAS 2D hydraulic modeling will be discussed.









Participation in the VI National Water Congress

Date/s

6-10 November 2023

Venue

College of Engineers of Peru - San Borja - Lima

Objectives

Collaborate in events related to water resources to promote and learn more about the subject.

Description

Participated as a volunteer team in the organisation of the event and as part of the staff.

Participation in the Open Day Student Group Fair

Date/s

15 November 2023

Venue

Courtyard of the Faculty of Civil Engineering - UNI

Objectives

Promote and raise awareness of hydraulics and hydrology among high school students.

Description

GEAHH participated in an event held for high school students to learn more about engineering, we presented activities such as a fair and a visit to the National Hydraulics Laboratory.





Congress of Engineering in Water Resources and Environment

Date/s

27 November 2023 – 01 December 2023

Venue

Online/ National Hydraulics Laboratory Auditorium

Objectives

In commemoration of our anniversary, GEAHH is pleased to present the launch of "CIRHA: Congreso de Ingeniería en Recursos Hídricos y Ambiente".

Description

This great event will offer national and international presentations by great professionals and researchers in engineering related to water resources, as well as workshops presented by training companies The thematic axes that will be addressed are Hydraulics, Hydrology, Water Resources Management, Climate Change, Sanitation, Research, and others related to the subject.





Special Meeting "XII Anniversary GEAHH"

Date/s

16 December 2023

Venue

Hall of the Faculty of Civil Engineering - UNI

Objectives

Bringing together members and exmembers to celebrate the 12th anniversary of our group.

Description

A series of activities and a presentation of the 12 years of our student group were prepared, in addition to finally celebrating its anniversary.



Solidarity Activity "Construyendo Navidades"

Date/s

12-16 December 2023

Venue

Albergue Sinchi Roca – Casa de los Pitufs

Objectives

Do a social activity during the Christmas season. Integrate members under a social purpose

Description

We joined forces to bring a Special Social Work to Casas Albergues, to make beautiful chocolate and provide the children of the Casa de los Smurfos with fruits and items for their hygiene.

4. Partnerships and collaborations

4.1. Partnerships

National Hydraulics Laboratory (LNH): Water resources research center belonging to the National University of Engineering. Provides activities related to water resources such as laboratory and physical modeling.

Academic Department of Hydraulics and Hydrology (DAHH): This department was formed by professors of the Faculty of Civil Engineering (UNI) who teach hydraulics and hydrology to university students. There is a collaborative student-teacher relationship. Gesconvial: Academic company dedicated to providing specialized courses, including topics related to water resources. This year we entered a collaborative alliance with this company.

Enjofra Training Center: Academic company dedicated to providing specialized courses, including topics related to water resources. This year we entered a collaborative alliance with this company.

Hydraulisk Group: Training center dedicated to water resources issues, promoting computational tools applied to the planning and management of water resources. This year we entered a collaborative alliance with this company.

GeoMine Academy: Academic company dedicated to providing specialized courses, including topics related to water resources. This year we entered a collaborative alliance with this company.

4.2. Collaboration with other YPNs

CIDRHI (UNALM): Organisation formed by students and graduates of Agricultural Engineering of the Universidad Nacional Agraria La Molina (UNALM).

WER (UTEC): Student organisation of the University of Engineering and Technology (UTEC) that seeks to channel hydro-environmental issues.

5. Communication channels

Facebook: IAHR UNI – GEAHH – Young Professionals Network (https://www.facebook.com/geahh.uni) Instagram: geahh_uni_ Peru (https://www.instagram.com/geahh_uni_peru/) Linkedin: IAHR UNI – GEAHH – Young Professionals Network (https://www.linkedin.com/company/geahh/mycompany/)