# IAHR Universidad Nacional De Ingeniería - Geahh Young Professionals Network

2020 Annual Report of Activities



Universidad Nacional de Ingeniería-GEAHH Young Professionals Network



## IAHR Universidad Nacional De Ingeniería -GEAHH -Young Professionals Network

### **2020** Annual Report of Activities

#### 1. Introduction

Due to the current situation it was not possible to carry out the activities of all the areas in a similar way to the previous periods due to this, the activities of the logistics area were derived to support the other areas, the other areas continued with their normal activities, but adjusting to the type of remote activities, avoiding always the congregation or expose our members or aspiring members to any risk of the current situation. Considering this structure, an attempt was made to stimulate the participation of each area, giving greater freedom and decision-making capacity to the respective heads, so that the group could work more efficiently.

#### 2. 2020 main goal and key objectives

Our YPN aims to promote, disseminate and develop activities that contribute to the engineering training (including academic plans, research and leadership) to students of the Faculty of Civil Engineering of the National University of Engineering,, contemplating a projection towards other universities and institutions, in the areas of hydraulics and hydrology, and also to share knowledge and experiences in the field of engineering and research related to water.

#### 3. Communications

[Website and social networks]

Website	
Facebook	https://www.facebook.com/geahh.uni
Twitter	
Instagram	
Linkedin	www.linkedin.com/in/iahr-uni-geahh
Other	

#### [Promotional and information materials]

Newsletter/s



Publication/s	
Other	

#### 4. Activities

#### Activity 1



An introduction to offshore wind farms and
subsea cable burial





	Cycle of virtual conferences on hydrology and hydraulic
hidrologia" MAYO 2020 MAYO 2020	Dates
ing Marin Innine to in Anapala Wilversiden Nacional Autonoma de Martin (WMM)	May 2nd,2020
denna Mijere, toptia" Ind. Trasliefs Tores Medina Universidad Politicnica de Valencia (UPV), España Universidad Politicnica de Valencia (UPV), España	Objectives
CMMC Calefornitos y tratamiento de última información en canbio climático usando Ratudio y la plataforma en la nobe PANGO. Ing. Jucio A Notroegro Cambio Universidad Católica de Lavaro (KU SUVEIN, Nelpisa	To present an overview of physical modeling
ACCESO LIBRE FECHA: SABADO 2 DE MAYO DEL 2020	in hydraulics and integrated water resources manaaement.
	Description
	in Google Meet:



Theory and applications of physical modelling in hydraulics.
Integrated water resources management with the SIMGES model and application in the Mijares basin, Spain.

	Theory and applications of physical modelling in hydraulic
Modelación en hidráulica	Dates May 16th, 2020
Martha Bautista Martín Jiménez	Objectives <i>B</i> Delivering a comparison on the usage of physical models made in the UNAM
	Description Explain the process to make physical models in comparison to prototypes and its importance

An introduction to R and climate change
Dates
June 27th, 2020
Objectives
Deliver different R applications such as in hydrology and climate change





	Dams and connectivity in amazon rivers
PRESAS Y CONECTIVIDAD	
EN RIOS AMAZONICOS	Dates
ORGANIZADORES DE JULIO	July 1st, 2020
GEAHH YOUNG PROFESSIONALS	
CEMRA composition of	Objectives
	Share points of view on the impact of
	infrastructure in amazon rivers
	Description
	Conversation among : Dr Victor Miguel
	Ponce, Dra. Ada Liz Arancibia, Dr Cayo
	Leonidas Ramos Taipe, Dr. Patrick Venail,
	focused on the impact of dams,
	nydroelectric power stations in the amazon.







Determination of width and depth of meandering rivers:
How will they change with climate change and installation of infrastructure





Flood control in the peruvian amazon
Dates
November 10th, 2020
Objectives
Show the problems generated by the rivers of the jungle also show alternative solutions to these.



2020 Annual report of activities









Marañon river and Huallaga river in the Andes
Dates
August 10th, 2020
Objectives
Show the studies that are currently taking place in the Huallaga river and Marañon river



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#### Activities to promote membership:

#### Activity 1

Searching for new members GEAHH
Dates
November 14th, 2020
Objectives:
To present our YPN to our fellow university students and this branch of Civil Engineering
Description

IAHR.org





#### 5. Partnerships and collaborations

Partner organisations and/or interaction with related national organisations

Organisation	Description of partnership
Geahh-Fica-Unheval	Conferences organization
GIEHH UPN	Conferences organization
CEIC UNI	Conferences organization

#### Collaboration with other YPNs

YPN name	Description of collaboration
IAHR UTEC Water and Environmental	Conferences organization
Research Young Professionals Network	
IAHR Pontificia Universidad Católica del	Conferences organization
Perú Young Professionals Network	



IAHR Universidad Peruana de Ciencias Aplicadas (UPC) CEDIARHMA's Young Professionals Network	Conferences organization
IAHR Universidad Nacional Agraria La Molina CIDRHI Young Professionals Network	Conferences organization

#### 6. Contributing to the strategic plan

7.1. Please describe how your activities in 2020 have contributed to and advocated for IAHR's vision and strategic plan (https://www.iahr.org/index/detail/101)

We have held a series of conferences to spread knowledge on various topics.

Some workshops were carried out for the dissemination of knowledge by members of the.

There were indications of investigation within the group and work is continuing.

7.2. Please describe how your YPN contributes to the IAHR YPN high-level aims

Throughout the previous period we have carried out activities with the members of our association to promote a scientific attitude and research skills.

Specifically, we have carried out a reading of scientific articles that include topics related to hydraulic engineering, hydrology, irrigation, drainage and water resources management.

In addition, we have conducted research on specific topics including airport drainage, spatial distribution of rainfall, pluvial drainage systems, water turbines, stream protection and sediment transport. This activity consisted in forming working groups, assigning a topic proposed by a graduate, the graduate will advise the working groups and finally after several weeks the assigned topic will be presented to the group to share the new knowledge they obtained on the topic.