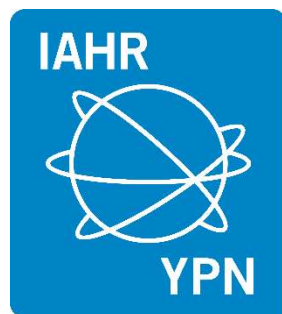


# IAHR Panamá Young Professionals Network

2020 Annual Report of Activities



Panama  
Young  
Professionals  
Network

## IAHR Panama Young Professionals Network

### 2020 Annual Report of Activities

#### 1. Introduction

IAHR Panama YPN was founded by a group of young professionals with the aim to organize the YPN during the 38<sup>th</sup> IAHR World Congress held in Panama in September 2019. Since then, the group has organized and has been very active promoting and organizing activities both locally in Panama and regionally in Latin America.

The chapter's mission is to promote the development of technical capacities in the general field of hydro-environmental sciences (water, environment and renewable energies) in students and young professionals, and to influence through interdisciplinary scientific research in Panamanian society to achieve a more resilient and sustainable country.

The groups vision is to become a national reference in the field of hydro-environmental sciences (water, environment and renewable energies) for the design of sustainable solutions through a holistic and interdisciplinary approach, through the Panamanian professional youth, including universities, public and private sectors.

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

The main objective for our first year with YPN has been to 1) Publicize the chapter and recruit new members, 2) Engage our members through social media and virtual events, and 3) Provide training to young professionals and university students.

For training we have focused on capacity building on different tools, technical concepts and international trends in order to enhance our member's professional profiles and help them become agents of change on water and environmental issues.

Considering that the expectation is that all trends in the global system will continue to increase intensely in the short and medium term, the basic question is whether the type of training we continue to provide in engineering schools and faculties is adequate<sup>1</sup>. The problem is addressed methodologically based on the three dimensions of knowledge recognized by the Carnegie Foundation for the training of professionals: cognitive learning, practical learning and moral learning<sup>2</sup>. Based on this, in IAHR Panama YPN we seek to influence the formation and different types of learning of our members and the community of which we are a part.

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<sup>1</sup> Vega-González Luis Roberto. La educación en ingeniería en el contexto global: propuesta para la formación de ingenieros en el primer cuarto del Siglo XXI.

<sup>2</sup> Sheppard D.S., Macatangay K., Colby A., William W.M. Educating Engineers: Designing for the Future of the Field. The Carnegie Foundation for the Advancement of Teaching, Jossey-Bass, Wiley, 2009.

### 3. Communications

#### 3.1. Social Media

Website	----
Facebook	<a href="https://www.facebook.com/YPNPanama">https://www.facebook.com/YPNPanama</a>
Twitter	<a href="https://twitter.com/ypnpanama">https://twitter.com/ypnpanama</a>
Instagram	<a href="https://www.instagram.com/ypnpanama/">https://www.instagram.com/ypnpanama/</a>
Linkedin	----
Other	----

#### 3.2. Promotional and Information Materials

<b>Newsletter(s)</b>	<p>Past Issues <a href="https://us3.campaign-archive.com/home/?u=8a7f455e4c7a7052b832bc450&amp;id=0325dc18e3">https://us3.campaign-archive.com/home/?u=8a7f455e4c7a7052b832bc450&amp;id=0325dc18e3</a></p>
<b>Publication(s)</b>	<p>General Meetings</p> <p>First General Meeting <a href="https://www.instagram.com/p/CBen8AoBKT5/?utm_source=ig_web_copy_link">https://www.instagram.com/p/CBen8AoBKT5/?utm_source=ig_web_copy_link</a></p> <p>Second General Meeting <a href="https://www.instagram.com/p/CE2TVnahb7e/?utm_source=ig_web_copy_link">https://www.instagram.com/p/CE2TVnahb7e/?utm_source=ig_web_copy_link</a></p> <p>Scientific Initiation Workshop <a href="https://www.instagram.com/p/CCo7va-hvvp/?utm_source=ig_web_copy_link">https://www.instagram.com/p/CCo7va-hvvp/?utm_source=ig_web_copy_link</a></p> <p>Instagram Live Talk Show “Agua y Café” <a href="https://www.instagram.com/p/CAawu0YHuPM/?utm_source=ig_web_copy_link">https://www.instagram.com/p/CAawu0YHuPM/?utm_source=ig_web_copy_link</a></p>
<b>Other</b>	----



4. Activities

Activity 1



**Name of the activity**

IAHR Panama Young Professionals Network  
First (and only) in person General Meeting

**Date(s)**

October 26<sup>th</sup>, 2019

**Objectives**

To publicize IAHR Panama YPN and motivate  
students and young professionals to join.

**Description**

The meeting consisted of two parts: Firstly,  
general information about IAHR Panama YPN  
was given and the members of the Board of  
Directors were presented. Then an IKIGAI  
workshop was delivered by an invited  
speaker.

Activity 2



**Name of the activity**

Agua y Café

**Date(s)**

From March 21st, 2020 to Present (biweekly  
interviews).

**Objectives**

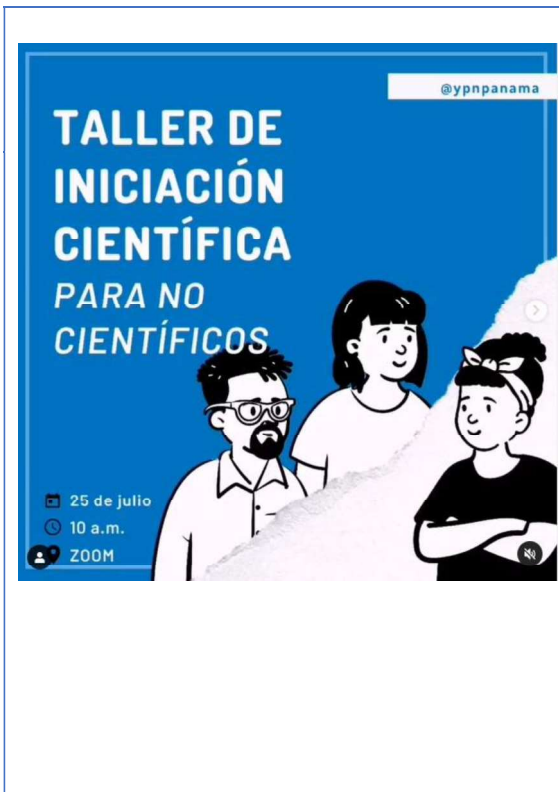
Transmit scientific and/or applied  
knowledge to the general community of the  
Instagram digital platform.

**Description**

Instagram Live series, every two Thursdays  
at 2:00 p.m., where we interview  
professionals (including professionals in  
training), in the water sector. So far 19  
interviews have been conducted.

Activity 3

	<p><b>Name of the activity</b> Scientific Initiation Workshop</p>
	<p><b>Date(s)</b> July 15th, 2020</p>
	<p><b>Objectives</b></p>

	<p>Showcase the importance of scientific and applied research and motivate students and young professionals to engage in research projects.</p> <p><b>Description</b></p> <p>The virtual workshop consisted of a short presentation and a roundtable and Q/A session with our invited speakers:</p> <ul style="list-style-type: none"> <li>▪ Pablo Spalletti, President of the Latin American Division of IAHR</li> <li>▪ Dr. Ariel Grey, Director of the research group GIZMACOPOR at the Technological University of Panama</li> <li>▪ Claribel Buenaño, PhD candidate in Microbiology and Environmental Sciences at NUI Galway.</li> <li>▪ Carlos Lu, Engineer at the Hydraulic Engineering Unit of the Panama Canal Authority.</li> </ul> <p>There were 125 participants from 5 countries of whom 64% were students.</p>
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Activity 4

	<p><b>Name of the activity</b></p> <p>Webinar about the Development and Verification of a Numerical Wave Model at the Coastal Engineering Laboratory of the Polytechnic of Bari, Italy</p> <p><b>Date(s)</b></p> <p>September 26<sup>th</sup>, 2020</p> <p><b>Objectives</b></p> <p>To show the IAHR Panama YPN members and the community in general the conclusions of the research project that our adviser, Dr. Lucas Calvo, conducted at the Politecnico di Bari in Italy and its application in our country.</p> <p><b>Description</b></p> <p>Dr. Lucas Calvo presented the results and conclusions from the project he developed during his academic visit at Politecnico di Bari about numerical methods for wave simulations.</p>
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## Other Activities

During 2020 we have organized three virtual meetings (March, June, and September) for both members and non-members where we have promoted membership of our chapter. We had a period of inscriptions after the meetings in June and September and currently have 58 members in our chapter, out of which 12 are Non IAHR Members.

## 5. Partnerships and collaborations

### 5.1. Partner organisations and/or interaction with related national organisations

Organisation	Description of partnership
<b>Ciencia en Panamá</b>	Ciencia en Panamá is an independent organization whose objective is to popularize science in Panama and promote the development of public policies based on scientific evidence. Our president, Maria Gabriela Castrellón, regularly attends their meeting and is a member of the Environment Task Force. We promote each other's activities and events on social media and have participated in their virtual events such as the virtual march for science in April 2020.
<b>Autoridad del Canal de Panamá (Panama Canal Authority)</b>	Since the inauguration of our chapter we have received support from the Panama Canal Authority (ACP), especially from Ilya Espino de Marotta, its Deputy Administrator. She participated as an invited speaker during our inauguration event and recently sent us a video congratulating us for our first anniversary.
<b>Eco Ideas</b>	With Eco Ideas we share the vision to help Panama become a more sustainable and resilient country. Their activities focus on creating awareness so people can make more sustainable choices in their everyday lives. For instance, on December 19 <sup>th</sup> they have a webinar titled "Can fashion be sustainable?" which will include topics from the SDGs 8, 9, 10 and 12. We partnered with them to promote their webinars and events like this one through our social media platforms.
<b>The U for You</b>	The U for You represents international universities in Panama, promotes higher education abroad and advises students during the undergraduate and postgraduate application process. It is our aim that

	<p>our members have the opportunity to study abroad thus we participated in the webinar “Education and Water 4.0” held on April 7<sup>th</sup>, 2020. During the event we talked about the importance of studying abroad and suggested a few careers and topics that relate cutting edge technologies (IoT, AI) with water related issues.</p>
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## 5.2. Collaboration with other YPNs

YPN Name	Description of collaboration
YPN Iberoamérica	Connected with YPN Chapters from Latin America and Spain to create a joint task force.
IAHR Spain YPN	Interview with Dr. José María Carillo in Agua y Café where he talked about his experience as a researcher in the field of computational hydraulics.
IAHR Venezuela YPN	Interview with Karol Sánchez in Agua y Café where she talked about female leadership and how bridge to the gap between men and women in leadership positions.

## 6. Contributing to the strategic plan

### 6.1. Please describe how your activities in 2020 have contributed to and advocated for IAHR’s vision and strategic plan

IAHR’s strategic plan is based on 4 fundamental pillars:

- a) To provide a world-class networking platform and expertise to its members.
- b) To inspire, disseminate and catalyse the state of the art of knowledge and thought.
- c) To institute events that set agendas, leverage, and amplify the collective knowledge of the global hydro-environmental community.
- d) To act as a global voice on behalf of the engineering industry and the Hydro-Environmental research community

Starting from this premise, IAHR Panama YPN has developed the activities mentioned in the previous points, always seeking to communicate technical and scientific information to our members and the general community. In spite of the difficulties brought about the COVID-19 pandemic, our Board of Directors and the membership have managed to carry out these activities and events in a satisfactory manner.

We are convinced that based on these pillars, and our lines of action (communication, research, and training), we will continue to contribute to the strategic plan and vision of the IAHR.



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

We want to ensure that our members have the best experience within the group, that they have a voice and a vote, and that they feel part of a prestigious community at the scientific and technical level, with professionals who are experts in different areas of knowledge in hydro-sciences. We strive to create a place of connection and networking, especially between students or young professionals with senior professionals, so the former have guidance and mentorship in their field of their interest. In addition, we want students and young professionals to have the necessary tools to face the challenges of a changing world; to develop their resilience, their potential, so they are able to analyse current issues and provide holistic solutions. These are desirable characteristics in any professional, and are the result of the interaction, support and constant updating of our members, which is what we have worked on since the beginning of our chapter and it is something we strive to keep doing in the years to come. We believe that through our capacity building and networking activities and based on our established lines of work (water, environment and renewable energy), we will continue to contribute at the highest level to the organization.