

**IAHR [PONTIFICIA  
UNIVERSIDAD  
CATÓLICA DEL  
PERÚ] YOUNG  
PROFESSIONAL  
NETWORK**

**2023 ANNUAL REPORT OF  
ACTIVITIES**



**Young  
Professionals  
Network**

*Hosted by*  
Spain Water and IWHR, China

## 1. Our vision and mission

### **Mision**

Spread knowledge about hydric resources and environment; coordinate and realise different events like workshops, championships, social media diffusion and courses.

### **Vision**

Be a recognized academic association due to its successful projects, investigation papers and events realised with professionals of the environmental and hydric resources area.

## 2. Main goals and key objectives in 2023

The primary goals for 2023 were to organize events that would increase public awareness of environmental issues and the preservation of water resources. Furthermore, our objective was to fortify our internal and exterior collaborations with diverse organizations at disparate academic institutions that align with our common objectives. Organizing a variety of internal events helped us to further establish our reputation as a dedicated and active group within the university.

### 3. Activities in 2023



#### "University Workshop on Fluid Mechanics for Civil Engineering Students"

##### Date/s

24 February 2023

##### Venue

Online - Zoom

##### Objectives

*Provide personalized guidance to prepare university students of civil engineering for their exams.*

##### Description

As a group primarily composed of civil engineering students, we are organizing a university workshop for those who are beginning courses in the field of Hydraulics and Water Resources.

## 22° DÍA MUNDIAL DEL AGUA



AGUA PARA TODOS: La labor de Working for a Smile promoviendo el acceso al agua en el Perú.

Link de Inscripción en descripción!

 22 Marzo

 8PM

VÍA ZOOM

Auspiciado por:



**"WATER FOR ALL: The work of Working for a Smile promoting access to water in Peru"**

### Date/s

22 March 2023

### Venue

Online - Zoom

### Objectives

*Showcasing the volunteer work of the WFS organization to encourage individuals to take part in related activities and to join groups that share their commitment and goals.*

### Description

An event was suggested to highlight WFS's work to supply water to areas where access is difficult in honor of World Water Day.



**“Fair of associations of civil engineering students of the Pontifical Catholic University of Peru”**

**Date/s**

23 March 2023

**Venue**

Pontifical Catholic University of Peru - San Miguel - Lima - Perú

**Objectives**

*Introducing the GEMRA projects to the students of the Faculty of Civil Engineering at the Pontifical Catholic University of Peru and extending an invitation for them to actively participate in these endeavors.*

**Description**

To highlight the work completed by GEMRA, we participated in an exhibition held within the Faculty of Civil Engineering at the Pontifical Catholic University of Peru (PUCP). The intention was to raise student interest in these projects and inform them of their significance for water resource management and environmental conservation.





## "Recycling Workshop for kids of Madre Loreto Gabarre Cipres School"

### Date/s

1 April 2023

### Venue

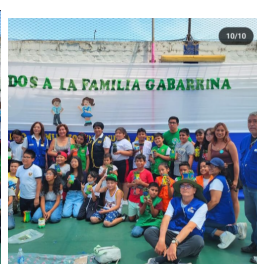
Colegio Madre Loreto Gabarre  
Cipres - Pueblo Libre - Lima - Perú

### Objectives

*The goal of the program is to raise children's awareness of environmental issues by teaching them the value of recycling and equipping them with useful skills for sustainable living.*

### Description

In an effort to instill a sense of environmental consciousness in children, we reached out to Madre Loreto Gabarre Cipres School to offer a simple recycling lesson, with the help of the Rotary Club Ecology team. The intention is to give kids the confidence to recycle at home. We also held a hands-on workshop where participants learned how to make plant pots out of recycled plastic bottles.



**Panel**

**DESAFÍOS LEGALES Y ECON. EN LA SOSTENIBILIDAD** GEMRA  
en la Edad Moderna



Ponente: **José Silva**  
PhD Economista ecológico

Ponente: **Diego Villaverde**  
Abogado en Derecho Ambiental



**28 ABRIL**  
**4PM**  
**ZOOM**

**"Legal and Economic Challenges in Society"**

**Date/s**

28 April 2023

**Venue**

Online - Zoom

**Objectives**

*Examine and discuss the current legal and economic obstacles to sustainability in society under the direction of eminent authorities on ecological economics and environmental law, José Carlos Silva Macher, PhD, and Diego San Martín Villaverde.*

**Description**

Prominent speakers at this event were ecological economist José Carlos Silva Macher, PhD, and environmental law expert Diego San Martín Villaverde. The conversations covered a wide range of topics, including governmental policy, law, and environmental regulations—especially as they related to mining and other industrial sectors.

Parcial

**Asesoría Examen 1:  
Mecánica de Fluidos**

¡Ya eres grande y te apoyamos para serlo aún más!



Ponente:  
Oscar Mateus Cabezas Nivin  
B.Sc. en Ingeniería Civil

SÁB 13 MAYO  
9 PM

ZOOM



## "University Workshop on Fluid Mechanics for Civil Engineering Students"

### Date/s

13 May 2023

### Venue

Online - Zoom

### Objectives

*Provide personalized guidance to prepare university students of civil engineering for their exams.*

### Description

As a group primarily composed of civil engineering students, we are organizing a university workshop for those who are beginning courses in the field of Hydraulics and Water Resources.





## "EcoCINE: WALL-E"

### Date/s

1 June 2023

### Venue

Pontifical Catholic University of  
Peru - San Miguel - Lima - Perú

### Objectives

*Use the 'Wall-E' movie screening to raise participants' knowledge of environmental issues and to get them to think about how important sustainability and environmental care are.*

### Description

In order to foster an intellectual and contemplative environment, we arranged for the film "Wall-E" to be screened in an auditorium at the Pontifical Catholic University of Peru. After the film, we had a quick but insightful conversation in which we emphasized the significance of sustainability and environmental care by using the movie's lessons.



## "Student Associations Fair of the Pontifical Catholic University of Peru."

### Date/s

11 June 2023

### Venue

Pontifical Catholic University of Peru - San Miguel - Lima - Perú

### Objectives

*Introducing the Pontifical Catholic University of Peru students to GEMRA's work and extending an invitation for them to get involved.*

### Description

To highlight the initiatives completed by GEMRA, we participated in an exhibition held at the Pontifical Catholic University of Peru (PUCP) office of University Social Responsibility. The intention was to raise student interest in these projects and inform them of their significance for water resource management and environmental conservation.





## "Student Associations Fair of the Pontifical Catholic University of Peru."

### Date/s

23 June 2023

### Venue

National University of Engineering - Rimac - Lima - Perú

### Objectives

*Explore CITRAR UNI through an educational visit that highlights the center's research and technical training accomplishments while giving guests practical insights into wastewater and hazardous waste treatment.*

### Description

This visit to CITRAR UNI is intended to educate visitors by providing a close-up look at the treatment procedures in use and highlighting the center's significance for environmental research and academic training.



## "Student Associations Fair of the Pontifical Catholic University of Peru."

### Date/s

24 June 2023

### Venue

Pontifical Catholic University of Peru - San Miguel - Lima - Perú

### Objectives

*Boost local biodiversity, expand the amount of vegetative cover, and spread knowledge about the value of reforestation for the sustainability of the ecosystem.*

### Description

*In order to improve the environment and contribute to ecological restoration, we aim to initiate a tree-planting campaign in a region with limited vegetation.*





## Abordando al cambio climático: sequías e ingeniería en acción

Exploraremos el cambio climático, sus efectos a futuro, el fenómeno del Niño, sequías y otros.

CONVERSATORIO



Ponentes: Ing. José Nicolás de Piérola  
M.Sc. Ing. Antonio Salvá

VIERNES 15 SEPTIEMBRE - HORA: 6 PM

AUDITORIO DE (FCI) - CIENCIAS E ING.

Moderado por el M.Sc. Ing. Mitchel Jara



## "Climate Change: Droughts and Engineering in Action."

### Date/s

15 September 2023

### Venue

Pontifical Catholic University of Peru - San Miguel - Lima - Perú

### Objectives

*Improving the engineering component of GEMRA, especially in the area of civil engineering, by means of an occasion connected to the nation's current climate change situation.*

### Description

In cooperation with PUCP professor Eng. Mitchel Jara, who will act as moderator, a panel discussion titled "Climate Change: Droughts and Engineering in Action" is being planned. Two distinguished speakers will be present at the event: UNI professor Eng. Antonio Salvá and UNALM emeritus professor Eng. José Nicolás de Piérola Canales. Topics including food security, health, El Niño phenomenon, future consequences, problems, and adaptation options will be covered in the conversation.



## “Second Congress of the Water Resources Alliance.”

### Date/s

21 to 23 September 2023

### Venue

Day 21: Online - Zoom

Day 22: National University of San Marcos - Lima - Lima - Perú

Day 23: Peruvian University of Applied Sciences - San Isidro - Lima - Perú

### Objectives

The congress seeks to address issues and advance environmentally friendly methods of managing water resources while offering a forum for different viewpoints and the advancement of knowledge.

### Description

A group of water specialists and enthusiasts backed by proponents of water conservation. This program encourages learning, perspective sharing, and teamwork with a variety of lectures on important subjects.





## **“EcoCINE: The Boy Who Harnessed the Wind”**

### **Date/s**

19 October 2023

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### **Objectives**

*Use the "The Boy Who Harnessed the Wind" movie screening to raise participants' knowledge of environmental issues and encourage group discussion about the value of sustainability and environmental preservation.*

### **Description**

In order to foster an intellectual and contemplative environment, we arranged for the film "The boy Who Harnessed the Wind" to be screened in an auditorium at the Pontifical Catholic University of Peru. After the film, we had a quick but insightful conversation in which we emphasized the significance of sustainability and environmental care by using the movie's lessons.

## CONDUCIENDO AL CAMBIO: Promoviendo la electromovilidad en el Perú

● 28 DE OCTUBRE ● 10:00 - 13:00  
● SALÓN Z217 ● INSCRIPCIÓN

"La sustentabilidad de una ciudad  
comienza por su transporte"



### CONDUCIENDO AL CAMBIO: Promoviendo la electromovilidad en el Perú

2/4

#### Panorama legal del régimen de promoción de la electromovilidad



##### Mtr. Pedro Gamio Aita

● Egresado de la Maestría de Ciencia Política de la PUCP. Abogado con Maestría en gestión pública, estudios de post grado en Regulación, energías renovables, gestión de hidrocarburos y medio ambiente e innovación.

● Ex Viceministro de Energía del Perú, ha sido Director para América Latina de Global Village Energy Partnership y Asesor principal en el Fondo de Energía y ambiente para la Región Andina.

● Actualmente docente universitario de Pregrado y Postgrado de la PUCP

### CONDUCIENDO AL CAMBIO: Promoviendo la electromovilidad en el Perú

3/4

#### Situación actual de la industria vehicular en relación a la electromovilidad



##### Ing. José Luis Torres

● Ingeniero mecánico-eléctrico graduado en la Universidad de Piura

● Profesional con gran compromiso social, ha participado en la Asociación Latinoamericana de Movilidad Sostenible (ALAMOS) y AEDIVE-PERU

● Ex presidente del Comité Técnico Normativo de Transporte Eléctrico en INACAL

● Actualmente se desempeña como Gerente de Nuevas Tecnologías en Divemotor, su experiencia profesional se enfoca en el desarrollo de negocios

### CONDUCIENDO AL CAMBIO: Promoviendo la electromovilidad en el Perú

4/4

#### La importancia de la economía circular para una ciudad sostenible



##### Ing. Karol Flores Mori

● Ingeniero de la Universidad Nacional de Ingeniería, MBA del TEC de Monterrey, egresado en cursos de Innovación y Economía Circular en Yale School of Management y Berkeley Extension

● Cuenta con 17 años de experiencia profesional, 7 años en la Industria de Construcción y 8 años creando empresas con impacto en áreas de educación, turismo y sostenibilidad.

● Actualmente es CEO de BOB Economía Circular, una startup con propósito ambiental y madre de 2 nichos de Pregrado y Postgrado de la PUCP

## "Driving Change: Promoting Electromobility in Peru."

### Date/s

28 October 2023

### Venue

Pontifical Catholic University of  
Peru - San Miguel - Lima - Perú

### Objectives

*Organize a symposium for learning and sharing ideas about electromobility in Peru, with a focus on the legislative elements, the situation of the automobile industry's adoption of electromobility at the moment, and the role that the circular economy plays in promoting sustainable cities.*

### Description

Three expert presentations were given at this event covering the legal considerations, the state of the electromobility business, and the role of the circular economy in sustainable cities. A stimulating discussion about Peru's embrace of electromobility in an informative forum.



## 4. Partnerships and collaborations

### 4.1. Partnerships

- GRUPO ESTUDIANTIL DE SOSTENIBILIDAD EN INGENIERÍA HIDRÁULICA E HIDROLOGÍA – GESIH USIL
  - They are a San Ignacio de Loyola University student organization that specializes in hydraulic engineering and hydrology sustainability. With educational initiatives and real-world projects, they hope to advance environmental awareness, research, and the use of sustainable solutions.
- IDI - UPC
  - They are a student organization made up of UPC Civil Engineering program participants and graduates. Their mission is to advance technical research and create cutting-edge, socially conscious initiatives.
- Water Environmental Research YPN – WER UTEC
  - They are a student chapter aiming to promote the dissemination of scientific research on hydro-environmental resources.
- Círculo de Investigación y Desarrollo en Recursos Hídricos - CIDRI UNALM
  - They are a collection of researchers committed to carrying out, supporting, and advancing studies in the area of water resources. Their research focuses on watershed management, hydrology, hydraulics, and, in the end, drainage and irrigation.
- Grupo Estudiantil Aplicado a Hidráulica e Hidrología – GEAAH UNI
  - Members of this non-profit organization freely offer their knowledge and experiences in the fields of hydrology and hydraulics.

- Grupo de Investigación en Hidráulica, Recursos Hídricos y Medio Ambiente y Energías No Convencionales – GIHREHMA UNMSM
  - It acts as an interface between governmental and private organizations and the UNMSM while conducting research and providing consulting in its areas of competence. Its job is to make recommendations for solutions to national problems that fall under its purview.
  
- Grupo de Apoyo al Sector Rural – GRUPO PUCP
  - Since 1992, they have been an active division of the Pontifical Catholic University of Peru (PUCP) Department of Engineering, focusing on development initiatives. In areas including energy, water, agriculture, and housing, they use scientific research, technological innovation, and the promotion of suitable technology to enhance the quality of life in rural areas. Their objective is to support Peru's rural sector's sustainable development.
  
- Clima de Cambios PUCP
  - They are an initiative by the Pontifical Catholic University of Peru, informs and engages the public on climate change impacts. Established in 2008, it encourages practical steps for conservation, showcasing PUCP's commitment. With student volunteers, it highlights the youth's interest in environmental action. Recognized locally and internationally, it invites all to join in creating a greener world.
  
- Rud Uninvestiraria Ambiental – RUA PUCP
  - They are a diverse group of university students committed to innovation and the growth of a "sustainable university," who are also engaged with their community. They take the lead in tackling

socio-environmental issues through their programs and environmental campaigns.

- Rotary Club Peru Ecology
  - They are a group of volunteers committed to resolving problems that impact people. They work together to make the world a better place.
  
- Asociación de Estudiantes de Ingeniería Civil de la Pontificia Universidad Católica del Perú - ADEIC PUCP

#### 4.2. Collaboration with other YPNs

YPNs	Collaboration 2023
<ul style="list-style-type: none"> <li>● Grupo Estudiantil Aplicado a Hidráulica e Hidrología – GEAAH UNI</li> <li>● Water Environmental Research YPN – WER UTEC</li> <li>● Grupo de Investigación en Hidráulica, Recursos Hídricos y Medio Ambiente y Energías No Convencionales – GIHREHMA UNMSM</li> </ul>	<p>We have joined forces as members of the Water Resources Alliance to organize important gatherings and expert visits. We draw attention to the accomplishments of the <b>"Technical Visit to CITRAR UNI"</b> and the <b>"Second University Congress on Water Resources."</b> Young Professional Networks (YPNs) will now have a strong foundation for collaboration as they work together to plan educational activities and share knowledge. Everyone concerned hopes to gain from this collaboration, which will promote knowledge sharing in the industry.</p>

## 5. Communication channels

Website: <http://blog.pucp.edu.pe/blog/gemrapucp/>

Facebook: <https://www.facebook.com/gemrapucp>

Instagram: [https://www.instagram.com/gemra\\_pucp/](https://www.instagram.com/gemra_pucp/)

Linkedin: <https://www.linkedin.com/company/gemra-pucp/>

Twitter: [https://twitter.com/gemra\\_pucp](https://twitter.com/gemra_pucp)

Youtube: <https://www.youtube.com/@GEMRAPUCP>

Spotify:

<https://open.spotify.com/show/6FaEcAxdlcmeEYdFftQd87?si=0d66fab11a494>

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