

IAHR Peru Young Professionals Network

Our vision and mission

Our mission is to build and strengthen a community of highly committed young professionals in Peru, dedicated to advancing the meaningful participation of youth in the integrated management of water resources. We do so by promoting knowledge exchange, mentoring and professional development, interdisciplinary collaboration, and the co-creation of evidence-based, innovative and practical solutions to the challenges in which water is both fundamental to development and increasingly vulnerable to climate variability, environmental degradation and socio-economic pressures. We seek to bridge science, engineering and governance, and to translate technical expertise into real impact for Peruvian communities, ecosystems and our national agenda.

Our vision is to become a leading, diverse and highly competent network of emerging water leaders in Peru, recognized for its technical excellence, integrity and ability to convene across disciplines and sectors. We aim to nurture future Peruvian professionals who will contribute decisively to research, practice, policy and decision-making, strengthening water security, climate resilience and equitable development throughout the country. Through sustained collaboration with other networks, universities and institutions, and a long-term perspective, we aspire to shape a water-wise Peru where informed choices, inclusive governance and innovation define our sustainable and resilient water management.

Main goals and key objectives

1) Contribute to Peru's sustainable development through water knowledge and innovation

- Promote initiatives that support Peru's social, cultural, scientific and technological development through improved water management and services.
- Encourage problem-driven innovation (methods, tools, nature-based solutions, digital approaches) that responds to national and basin-scale priorities.

2) Strengthen youth participation, leadership and professional capacity in the water sector

- Develop leadership skills through opportunities to coordinate working groups, organise events, lead projects, and represent the network nationally and internationally.
- Promote inclusive participation (gender equity, regional representation across coast–highlands–Amazon, and multidisciplinary inclusion).

3) Advance research, technical excellence and publication in water resources

- Facilitate and generate research outputs on water resources and related disciplines.
- Promote high-quality scientific practice: research ethics, data management, reproducibility, and appropriate methods for hydrology, hydraulics, water quality and governance.
- Encourage collaborative research with universities, institutes and practitioners, focusing on applied, actionable evidence.

4) Disseminate water knowledge widely and effectively

- Actively disseminate relevant water topics through diverse channels.
- Translating technical information into accessible formats for non-specialists while maintaining rigor.
- Maintain a curated knowledge hub.
- Promote visibility of members' work and achievements to strengthen professional profiles and sector recognition.

Activities during this year

- **Name:** Regular meetings with YPN members
- **Date:** each 3 months
- **Objectives:** Identify volunteers and leads for communications, training, research, outreach, and partnerships.
- **Description:** We hold regular online meetings with YPN members to share updates, coordinate ongoing activities, assign actions, and maintain momentum across working groups, while ensuring space for open discussion and new ideas.

- **Name:** Course on Hydrological modelling with SWAT
- **Date:** March 01 and 02, 2025
- **Venue:** Online
- **Objectives:**
 - Build a solid understanding of SWAT's structure, assumptions and appropriate cases in water resources studies
 - Interpret outputs (streamflow, water balance components, sediment and basic water quality indicators where relevant) and assess model performance
 - Develop and compare scenarios (land use change, climate variability, management measures) and communicate results clearly and
- **Description:**
 - This online course provided a practical, step-by-step introduction to hydrological modelling with SWAT, combining short lectures with guided hands-on exercises. Participants will work with a structured dataset (with a Peru-relevant catchment

example where possible) to learn the full workflow: data preparation, watershed delineation, HRU definition, model execution, results interpretation, and scenario testing.

Partnerships and collaboration

Partnerships and collaboration are central to how we create value and scale impact. In Peru, we work closely with the Peruvian Association of Hydraulic and Environmental Engineering (APIHA) through coordination meetings that connect professionals and support the planning of joint events for the IAHR Peru Young Professionals Network. We also collaborated and maintain active links with other IAHR YPN chapters based in Peruvian universities to align calendars and identify shared priorities. Regionally, we are in ongoing conversations with Latin American networks e.g. IAHR YPN Panama to co-host forthcoming online events and strengthen cross-country exchange across the region.

Communication channels

X: <https://x.com/ypnperu>
Instagram: <https://www.instagram.com/ypnperu/>
Linked In: <https://www.linkedin.com/company/ypnperu>
Facebook: <https://www.facebook.com/iahrperu>
WeChat: <https://bit.ly/ypnpe>
Website: <https://www.iahr.org/index/committe/122>