

IAHR Yonsei University Young Professionals Network

2020 Annual Report of Activities



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1. Introduction

Yonsei University Young Professionals Network pursues to connect the knowledge of water resources issues between sociological, scientific, and engineering parts. We seek to understand the sustainable management of water resources and water-related disasters. We develop and utilize a range of numerical models including land surface-terrestrial biosphere models and watershed-scale hydrologic models together with data from both ground-based and remotely sensed measurements

Align with the main objective of IAHR YPN, we deem to count the importance of building a young professional's relationship. As a group studying sustainable management of water resources, we actively share the research ideas to strengthen a young professional's ties not only interacting inside but also with other YPNs in the Republic of Korea, Korea University YPN (KU-YPN), Seoul National University YPN (SNU YPN).

2. 2020 main goal and key objectives

The main goal of the activity of this year is to have an active interaction with other YPN networks in the Republic of Korea, KU-YPN, SNU-YPN and Yonsei YPN. We have a keen membership to enhance our young professional's network. Currently, we are having a periodic meeting to interact our thoughts and plans to enhance the community goal. There are three main key objectives that we are focusing on.

Key objectives

- Sharing recent research ideas
- Interacting with professionals
- Strengthening a young professional community

3. Communications

[Website and social networks]

Website	http://hecl.yonsei.ac.kr/
Facebook	
Twitter	
Instagram	
Linkedin	



Other	
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[Promotional and information materials]

Newsletter/s	
Publication/s	
Other	


4. Activities

Activity 1

	Name of the activity: Meeting with KU-YPN
	Dates: 2020.11.04
	Objectives: Sharing the activities and motivating memberships
	Description: <ul style="list-style-type: none"> The interaction with Korea University YPN Presentation by prof. Donghwi Jung: "Design and Operation Management for Improving the Elasticity of Water and Sewage Pipe Networks"
	

Activity 2

	Name of the activity: Monthly meeting of Yonsei University YPN
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	<p>Dates: 2020.11.27</p> <p>Objectives (e.g. Delivering opportunities for professional development, raising awareness about water issues, motivating membership, etc.): Sharing research status and ideas</p> <p>Description</p> <ul style="list-style-type: none"> • Internal meeting • Sharing individual's research progress and strengthening community
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5. Partnerships and collaborations

Partner organisations and/or interaction with related national organisations

Organisation	Description of partnership
Korea University	Yonsei University YPN and KU-YPN

Collaboration with other YPNs

YPN name	Description of collaboration
Korea University YPN (KU-YPN)	• Seminar by prof. Donghwi Jung

7. 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>)

The mission of IAHR is to build an international community of researchers in water science and engineering. Our activities in 2020 have contributed to explore the knowledge on water related issues together with the interaction between land-atmosphere in science and engineering. We



had a YPN meeting to follow up individual's research topics and status. To have interactive connection with other YPNs, Yonsei YPN and Korea YPN had a collaboration by taking seminar led by prof. Donghwi Jung. These activities are following by the IAHR YPN idea of boosting knowledge through the network of expertise.

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

The one of the high-level aims of IAHR YPN is to provide a world-class international networking platform and great member experience. To inspire, disseminate, and catalyse state-of-the-art knowledge and thinking, Yonsei YPN has been actively researching up-to-date water related issues. Particularly, we are exploring the land-biosphere-atmosphere interactions, droughts and extreme hydroclimate events under changing climate.