The 30th UNESCO-IHP Training Course (第 30 回ユネスコ IHP 研修コース)

International Hydrological Programme
Winter School for Applying Technology to Climate Change
Integrated Basin Management under Changing Climate

1st December - 10th December, 2020



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Chief assistant: KANTOUSH, Sameh A. (DPRI, Kyoto University)

Objectives of the 30th IHP Online Training Course: The 30th IHP Training Course in Kyoto provided an opportunity for participants: 1) to acquire the latest knowledge on climate change impacts on water resources, water-related disasters and ecosystem services, 2) to make a practice on rainfall-runoff-inundation analysis at river basin scale, 3) to discuss effective strategies of integrated basin management based on scientific knowledge to realize a resilient society under climate change.

<u>Registered Trainees</u>: In total 30 trainees from various universities, research institutes and professionals originally coming from 7 countries (China, Taiwan, Cambodia, Vietnam, Philippines, Uzbekistan, Egypt). Details regarding the affiliations and statistics of trainees are summarized in Figure 1



Fig. 1 (left) Statistics and information regarding the registered trainees (right)Picture of trainees gathered at Isabela State University in the Philippines for Online training sessions.

<u>Pre-Training Course Orientation</u>: We invited all trainees through zoom for an orientation session for software installations and troubleshooting before IHP official starts. Furthermore, we instructed trainees regarding exercises, target basin selection, self-introduction during opening session, and report presentation. Figure 2 shows pictures during the troubleshooting & pre-training orientation.

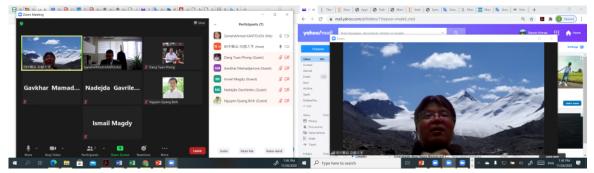


Fig. 2 Taken pictures during online sessions for software installation and instructions

<u>Program of the 30th IHP</u>: The IHP-TC composed of 11 lectures, 8 exercises including self-paced practicing of various software's and virtual field visit for the target river basin. I will present the daily program with some of pictures related to these activities (Figs. 3, 4, 5, 6, 7, 8)



Fig. 3 Self-introduction and research presentation by trainees during opening ceremony

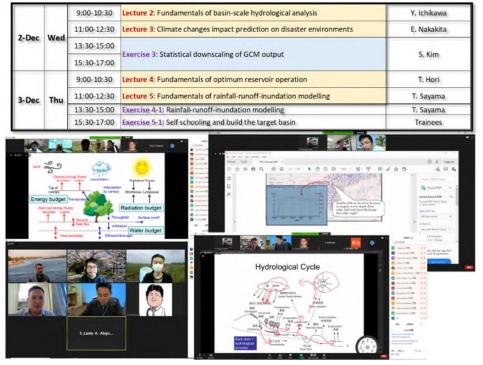


Fig. 4 Two days of fundamental lectures and exercises

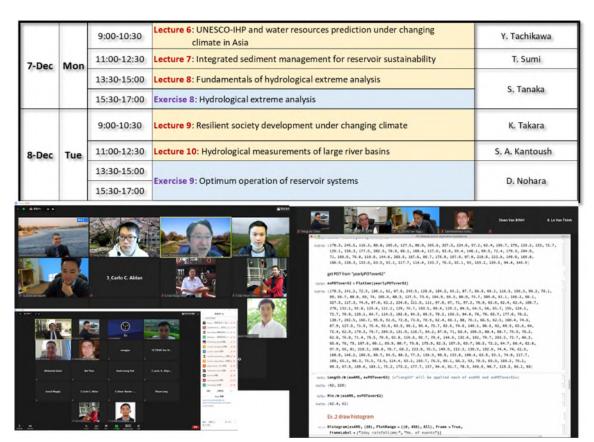


Fig. 5 Fully charged two days with 5 lectures and exercises

		9:00-10:30	Lecture 11: Management of river ecosystem under changing climate	Y. Takemon
9-Dec	Wed Thu	11:00-12:30	Exercise 10: Follow-up of exercises with Q&A session (parallel session for each exercise)	K. Tanaka
		13:30-15:00		S. Kim
		15:30-17:00		T. Sayama D. Nohara
		9:00-10:30		
		3.00 20 30	Report presentation by each participant	
		11:00-12:30		T. Sumi / S. A. Kantous
		13:30-15:30		
		16:00-16:30	Closing ceremony	T. Sumi / S. A. Kantoush
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Fig. 6 Report presentations and closing ceremony

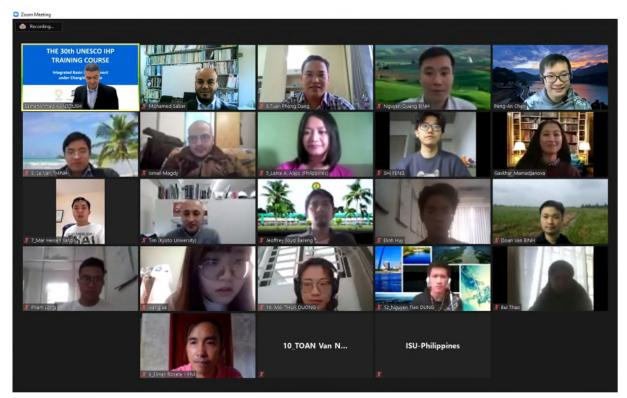


Fig. 7 Report presentations and closing ceremony



Fig. 8 Impressions by trainees and selfie-pictures with IHP-certificates

<u>The Way-Forward:</u> IHP – TC (Hybrid System) will continue for Integrated Basin Management under Changing Climate. Facilitating sustainable development in ASEAN through education. Common Challenges in ASEAN Countries: for instance, in the River Basin Management (Flood and Sediment) in The Philippines and Vietnam, JASTIP, SIP, and APN project.