

Program of the 34th UNESCO-IHP Online Training Course (18th November – 28th November, 2024)

Date	Time	Contents	Lecturer(s)	
18-Nov	Mon	10:00-12:30	Opening ceremony, self-introduction and country report	K. Tanaka/K. Yorozu
		13:30-15:00	Lecture 1: Fundamentals of basin-scale hydrological analysis	Y. Ichikawa
		16:00-17:30	The final confirmation of installing the required softwares	K. Yorozu
19-Nov	Tue	10:00-11:30	Lecture 2: Hydrological measurements of large river basins	S. A. Kantoush
		12:30-14:00	Lecture 3: Fundamentals of land surface processes	K. Tanaka
		14:30-16:00	Exercise 1: Processing method of meteorological and geographical data	K. Yorozu, Y. Touge &
		16:30-18:00		K. Temur
20-Nov	Wed	10:00-11:30	Lecture 4: Climate changes impact prediction on disaster environments	E. Nakakita
		12:30-14:00	Lecture 5: Bias correction of GCM output	K. Yorozu
		14:30-16:00	Exercise 2: Statistical downscaling of GCM output	S. Kim
		16:30-18:00		
21-Nov	Thu	10:00-11:30	Lecture 6: Machine learning approaches and hydrological modeling for flood risk assessment	M. Saber
		12:30-14:00	Exercise 3: Machine learning approaches and hydrological modeling for flood risk assessment	
		14:30-16:00	Exercise 4: Self-paced practicing and modelling the target river basin (1)	Trainees
		16:30-18:00		
22-Nov	Fri	10:00-11:30	Lecture 7: Fundamentals of rainfall-runoff-inundation modelling	
		12:30-14:00	Exercise 5: Rainfall-Runoff-Inundation modelling	T. Sayama
		14:30-16:00		
		16:30-18:00		
23-Nov	Sat	Full-day	Exercise 6: Self-paced practicing and modelling the target river basin (2)	Trainees
24-Nov	Sun	Full-day	Exercise 7: Field visit (select the target local river basin)	Trainees
25-Nov	Mon	10:00-11:30	Lecture 8: Fundamentals of optimum reservoir operation	T. Hori
		12:30-14:00	Exercise 8: Optimum operation of reservoir systems	
		14:30-16:00	Exercise 9: Follow-up of exercises with Q & A session (1) (14:30-16:00 for exercise 2, 16:30-18:00 for excercise 5)	S. Kim
		16:30-18:00		T. Sayama
26-Nov	Tue	10:00-11:30	Lecture 9: Integrated sediment management for reservoir sustainability	T. Sumi
		12:30-14:00	Lecture 10: River habitat responses to flow and sediment changes in the basin	S. Kobayashi
		14:30-16:00	Exercise 10: Follow-up of exercises with Q & A session (2) (14:30-16:00 for exercise 3, 16:30-18:00 for excercise 2)	M. Saber, K. Yorozu, Y.
		16:30-18:00		Touge & K. Temur
27-Nov	Wed	10:00-11:30	Exercise 11: Self-paced practicing and modelling the target river basin (3)	
		12:30-14:00		
		14:30-16:00		
		16:30-18:00		Trainees
28-Nov	Thu	10:00-11:30	Report presentation by each participant	
		12:30-14:00		
		14:30-16:00		K. Tanaka/K. Yorozu
		16:30-18:00	Closing ceremony	K. Tanaka/K. Yorozu