

Program of the 33rd UNESCO-IHP Online Training Course (20th November – 30th November, 2023)

Date	Time	Contents	Lecturer(s)
20-Nov Mon	10:00-11:30	Confirmation of installing the required softwares	M. Yamada
	13:00-15:30	Opening ceremony, self-introduction and country report	K. Tanaka/M. Yamada
	15:30-17:00	Lecture 1: Fundamentals of basin-scale hydrological analysis	Y. Ichikawa
21-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	(parallel session for trouble shooting)	
22-Nov Wed	10:00-11:30	Lecture 4: Fundamentals of rainfall-runoff-inundation modelling	T. Sayama
	12:30-14:00		
	14:30-16:00	Exercise 2: Rainfall-Runoff-Inundation modelling	
	16:30-18:00		
23-Nov Thu	Full-day	Exercise 3: Self-paced practicing and modelling the target river basin (1)	Trainees
24-Nov Fri	10:00-11:30	Lecture 5: Integrated sediment management for reservoir sustainability	T. Sumi
	12:30-14:00	Lecture 6: River habitat responses to flow and sediment changes in the basin	S. Kobayashi
	14:30-16:00	Exercise 4: Statistical downscaling of GCM output	S. Kim
	16:30-18:00		
25-Nov Sat	Full-day	Exercise 5: Self-paced practicing and modelling the target river basin (2)	Trainees
26-Nov Sun	Full-day	Exercise 6: Field visit (select the target local river basin)	Trainees
27-Nov Mon	10:00-11:30	Lecture 7: Fundamentals of optimum reservoir operation	T. Hori
	12:30-14:00	Exercise 7: Optimum operation of reservoir systems	
	14:30-16:00	Lecture 8: River ecosystem featured by abiotic and biotic interaction	K. Amano
	16:30-18:00	Lecture 9: Bias correction of GCM output	K. Yorozu
28-Nov Tue	9:00-10:30	Lecture 10: Climate changes impact prediction on disaster environments	E. Nakakita
	12:30-14:00	Exercise 8: Follow-up of exercises with Q & A session	Lecturers
	14:30-16:00	(parallel session for each exercise)	
29-Nov Wed	10:00-11:30	Exercise 9: Self-paced practicing and modelling the target river basin (3)	Trainees
	12:30-14:00	Lecture 11: Machine Learning Approaches and Hydrological Modeling for Flood Risk Assessment	M. Saber
	14:30-16:00	Exercise 10: Follow-up of exercises with Q&A session	Lecturers
	16:30-18:00	(parallel session for each exercise)	
30-Nov Thu	10:00-11:30		K. Tanaka/M. Yamada
	12:30-14:00	Report presentation by each participant	
	14:30-16:00		
	16:30-18:00	Closing ceremony	