

Program of the 31st UNESCO-IHP **Online** Training Course

Date		Time	Contents	Lecturer(s)
13-Dec	Mon	14:30-17:00	Opening ceremony, self-introduction and country report	T. Hori/M. Saber
14-Dec	Tue	10:00-11:30	Lecture 1: Resilient society development under changing climate	K. Takara
		12:30-14:00	Lecture 2: UNESCO-IHP and water resources prediction under changing climate in Asia	Y. Tachikawa
		14:30-16:00	Lecture 3: Fundamentals of basin-scale hydrological analysis	Y. Ichikawa
		16:30-18:00	Confirmation of installing the required softwares	M. Saber
15-Dec	Wed	10:00-11:30	Lecture 4: Fundamentals of land surface processes	K. Tanaka
		12:30-14:00	Exercise 1: Processing method of meteorological and geographical data (parallel session for trouble shooting)	K. Tanaka & K. Yorozu
		14:30-16:00	Exercise 2: Processing method of meteorological and geographical data (parallel session for trouble shooting)	K. Tanaka & K. Yorozu
		16:30-18:00		
16-Dec	Thu	10:00-11:30	Lecture 5: Fundamentals of rainfall-runoff-inundation modelling	T. Sayama
		12:30-14:00	Exercise 3-1: Rainfall-runoff-inundation modelling Exercise 3-2: Rainfall-runoff-inundation modelling Exercise 3-3: Rainfall-runoff-inundation modelling	T. Sayama
		14:30-16:00		T. Sayama
		16:30-18:00		Trainees
17-Dec	Fri	10:00-11:30	Lecture 6: Fundamentals of optimum reservoir operation	T. Hori
		12:30-14:00	Exercise 4: Optimum operation of reservoir systems	T. Hori
		14:30-16:00	Exercise 5: Statistical downscaling of GCM output	S. Kim
		16:30-18:00		
18-Dec	Sat	Full-day	Exercise 6: Self-paced practicing of RRI and modelling the target river basin	Trainees
19-Dec	Sun	Full-day	Field visit (select the target local river basin)	Trainees
20-Dec	Mon	10:00-11:30	Lecture 7: Climate changes impact prediction on disaster environments	E. Nakakita
		12:30-14:00	Lecture 8: Fundamentals of hydrological extreme analysis	S. Tanaka
		14:30-16:00	Exercise 7: Hydrological extreme analysis	
		16:30-18:00		
21-Dec	Tue	10:00-11:30	Lecture 9: Hydrological measurements of large river basins	S. A. Kantoush
		12:30-14:00	Exercise 8: Follow-up of exercises with Q & A session (parallel session for each exercise)	T. Hori, K. Tanaka, S. Kim, T. Sayama
		14:30-16:00		
22-Dec	Wed	10:00-11:30	Lecture 10: Integrated sediment management for reservoir sustainability	T. Sumi
		12:30-14:00	Lecture 11: Management of river ecosystem under changing climate	Y. Takemon
		14:30-16:00	Exercise 9: Follow-up of exercises with Q&A session (parallel session for each exercise)	T. Hori, K. Tanaka S. Kim, T. Sayama
		16:30-18:00		
23-Dec	Thu	10:00-11:30	Report presentation by each participant	T. Hori/M. Saber
		12:30-14:00		
		14:30-16:00		
		16:30-18:00	Closing ceremony	T. Hori/M. Saber