Institute of Advanced Studies in Climate Extremes and Risk Management

Nanjing, China, 21 October - 1 November 2019

	Day 1 (Oct 21)	Day 2 (Oct 22)	Day 3 (Oct 23)	Day 4 (Oct 24)	Day 5 (Oct 25)
Session 0 (8:30-8:40)	Registration (from 8:00)	Summary of previous day by students	Summary of previous day by students	Summary of previous day by students	Summary of previous day by students
Session 1 (8:40-10:00)	· Welcome and Introduction (UNIST, WCRP, IRDR) · Introduction of the institute and logistics (Xuebin Zhang and local host) · Introduction of lectures and students	Compound event I (Bart van den Hurk)	Drivers of climate extremes; why it is important to understand them II (Erich Fischer)	compound event II (Bart van den Hurk)	Game play (led by Erich Fischer)
Break (10:00-10:30)					
Session 2 (10:30-12:00)	Temperature extremes (Erich Fischer)	Drivers of climate extremes; why it is important to understand them I (Erich Fischer)	Student posters discussion (group I)	Student posters and discussion (group II)	Progress report by students (10 minutes + discussion per project)
Lunch (12:00-13:30)					
Session 3 (13:30-15:00)	Project assignment and project meeting *	Project work, meet the lecturers	Project work, meet the lecturers	Risk framework: hazard, exposure and vulnerability (Reinhard Mechler, remote)	Science-policy for climate and DRR discourses (Reinhard Mechler, remote)
Break (15:00-15:30)					
Session 4 (15:30-17:00)	Project work	Project work	Project work	Project work	Project work

* Students are grouped into projects: Each project supervisor will introduce to the respective group the details of the project. Note that project description will be provided to students in advance and students are required to fill in their preference. Students will be grouped taking region/gender/expertise balance into consideration.

26-27 October: Free Time

	Day 6 (Oct 28)	Day 7 (Oct 29)	Day 8 (Oct 30)	Day 9 (Oct 31)	Day 10 (Nov 1)
Session 0 (8:30-8:40)	Summary of previous day by students	Summary of previous day by students	Summary of previous day by students	Summary of previous day by students	
Session 1 (8:40-10:00)	Climate information (Bart van den Hurk)	Introduction to event attribution (Francis Zwiers)	Estimation of large return values (Francis Zhang)	Big data (Alexis Hannart)	Causal framework and event attribution (Alexis Hannart **)
Break (10:00-10:30)					
Session 2 (10:30-12:00)	Extreme value theory (Alexis Hannart)	Changes in extreme precipitation I (Xuebin Zhang)	From climate to adaptation: a few case studies (Alexis Hannart)	Changes in extreme precipitation II (Xuebin Zhang)	Project report and follow-up work planning
Lunch (12:00-13:30)					
Session 3 (13:30-15:00)	Project work	Project work	Project work	Project work	· Project report and follow-up work planning · Closing (15:00)
Break (3:00-3:30)					
Session 4 (15:30-17:00)	Project work	Project work	Project work	Preparation for project report	

** Note that this seminar will be given at college of Atmospheric Sciences, location TBD. All participants are welcome to attend. Students may also work on their projects.