

Workshop on Uncertainties in the Assessment of Natural Hazards (Excluding Earthquakes)

Provisional Programme

Zoom Videoconference, 19-21 April 2022

19 April 2022					
Introductory Session		Panellists	Seoul	Amsterdam/ Paris	Washington/ Toronto
Opening session Workshop Chair: John Perdikaris (OPG, Canada) 55 min	<ul style="list-style-type: none"> Introduction of the outline of the workshop that introduces the Chair on each session with the discussion on the priorities and challenges (15min) Overview that includes background, the purpose of the workshop and expected outcomes based on the draft TR (core-group) (15min) General sources and types of uncertainty (25min) 	John Perdikaris (OPG, Canada)	19:00-19:15	12:00-12:15	06:00-06:15
		Gernot Thuma (GRS, Germany)	19:15-19:30	12:15-12:30	06:15-06:30
		Yann Richet (IRSN, France)	19:30-19:55	12:30-12:55	06:30-06:55
Coffee Break (20 min)			19:55-20:15	12:55-13:15	06:55-07:15
Session 1 Chair: Gernot Thuma (GRS, Germany)	Topics: Extreme temperatures, heat sink effect, lightning and snow and statistical methods (30 min for each presentation) 1. Sources of uncertainties in snowfall assessment connected to independent core cooling requirements 2. Sources of uncertainties in lightning occurrence and parameters	Lars Bennemo (SSM, Sweden)	20:15-20:45	13:15-13:45	07:15-07:45
		Antti Mäkelä (FMI, Finland)	20:45-21:15	13:45-14:15	07:45-08:15

Rapporteur: Taehee Kim (NEA)	3. Uncertainties Induced by Statistical Methods-Downscaling – Example: Intensity Duration Frequency (IDF) curves	Catalin Obreja (Environment and Climate Change, Canada)	21:15-21:45	14:15-14:45	08:15-08:45
	4. (for Session 2) Sources of uncertainties highlighted by flooding events in Germany	Gernot Thuma (GRS, Germany)	21:45-22:15	14:45-15:15	08:45-09:15
	Coffee break (20 min)		22:15-22:35	15:15-15:35	09:15-09:35
	5. Panel discussion (50 min)		22:35-23:25	15:35-16:25	09:35-10:25
	6. Chair wrap-up (key messages) (10 min)		23:25-23:35	16:25-16:35	10:25-10:35
<i>*one item for session 1 “sources of uncertainties in extremely high temperatures in the Netherlands” would be on Day2</i>					
20 April 2022					
Day 1 Overview (5 min)	Day 1 Overview (for session 1) Sources of uncertainties in extremely high temperatures in the Netherlands (30 min)	John Perdikaris (OPG, Canada) Peter Siegmund (KNMI, Netherlands)	19:00-19:05 19:05–19:35	12:00-12:05 12:05–12:35	06:00-06:05 06:05–06:35
Session 2 Chair : Minkyu Kim (KAERI, Korea) Rapporteur : Vincent Rebour (IRSN, France)	Topic: Site flooding 1. WGEV member’s presentation (30 min) 2. Sources of uncertainties from the French experience on coastal and riverine flooding Coffee break (20 min) 3. Sources of uncertainty in probabilistic hazards assessment related to flooding. 4. Uncertainty in flood risk modelling 5. Developing an Assessment Method for the Uncertainty of the Tsunami Coffee break (20 min)	John Nakoski (NRC, USA) Claire-Marie Duluc (IRSN, France) Joseph Kanney (NRC, USA) John Perdikaris (OPG, Canada) Sato Taichi (NRA, Japan)	19:35-20:05 20:05-20:35 20:35-20:55 20:55-21:25 21:25-21:55 21:55-22:25 22:25-22:45	12:35-13:05 13:05-13:35 13:35-13:55 13:55-14:25 14:25-14:55 14:55-15:25 15:25-15:45	06:35-07:05 07:05-07:35 07:35-07:55 07:55-08:25 08:25-08:55 08:55-09:25 09:25-09:45

	6. Panel discussion (50 min) 7. Chair wrap-up (10min) <i>*one item for session 2 “sources of uncertainties highlighted by flooding event in Germany” would be on Day1</i>		22:45-23:35 23:35-23:45	15:45-16:35 16:35-16:45	09:45-10:35 10:35-10:45
21 April 2022					
Day 2 Overview (5 min)		John Perdikaris (OPG, Canada)	19:00-19:05	12:00-12:05	06:00-06:05
Session 3	Topic: High winds				
Chair: John Nakoski (NRC, USA)	1. WGEV member’s presentation (20 min)	Vincent Rebour (IRSN, France)	19:05-19:25	12:05-12:25	06:05-06:25
Rapporteur: Gernot Thuma (GRS, Germany)	2. Identifying deterministic phenomenological based sources of uncertainty in the US related to high winds (30 min)	Marc Levitan (NIST, USA)	19:25-19:55	12:25-12:55	06:25-06:55
	3. Probabilistic high wind hazard assessment focused on the sources of uncertainties to be addressed (30 min)	Minkyu Kim (KAERI, Korea)	19:55-20:25	12:55-13:25	06:55-07:25
	Coffee break (20 min)		20:25-20:45	13:25-13:45	07:25-07:45
	4. Panel discussion (50 min)		20:45-21:35	13:45-14:35	07:45-08:35
	5. Chair wrap-up (10 min)		21:35-21:45	14:35-14:45	08:35-08:45
	Coffee break (40 min)		21:45-22:25	14:45-15:25	08:45-09:25
Session 4	Wrap-up session				
Chair: John Perdikaris (OPG, Canada)	• Rapporteurs’ reports (summary) + key messages from Chairs (each session / 20 min)	Rapporteurs/ Session Chairs	22:25-23:25	15:25-16:25	09:25-10:25
	• Findings, conclusions and recommendations for further work (20 min)	John Perdikaris (OPG, Canada)	23:25-23:45	16:25-16:45	10:25-11 :45
	• Closing				