

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, climate change (30 min for each presentation) 1. Sources of uncertainties in snowfall assessment 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) (200 min)	3. Climate Change related uncertainties and their impact on IDFs	Catalin Obreja (Environment and Climate Change, Canada)	21:15-21:45	14:15-14:45	08:15-08:45
	4. Sources of uncertainties in Extreme temperatures	Peter Siegmund (KNMI, Netherlands)	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
20 April 2022					
Day 1 Overview (15 min)		John Perdikaris (OPG, Canada)	19:00-19:15	12:00-12:15	06:00-06:15
Session 2	Topic: Site flooding				
Chair :	1. WGEV members' presentation (30 min)	John Nakoski (NRC, USA)	19:15-19:45	12:15-12:45	06:15-06:45
Dana Havlin Novakova (SUJB, Czech Republic)	2. Sources of uncertainties from the French experience on coastal and riverine flooding	Claire-Marie Duluc (IRSN, France)	19:45-20:15	12:45-13:15	06:45-07:15
Rapporteur :	3. Sources of uncertainty in probabilistic hazards assessment related to flooding.	Joseph Kanney (NRC, USA)	20:15-20:45	13:15-13:45	07:15-07:45
Vincent Rebour (IRSN, France)	Coffee break (20 min)		20:45-21:05	13:45-14:05	07:45-08:05
280 min	4. Sources of uncertainties highlighted by flooding events in Germany	Gernot Thuma (GRS, Germany)	21:05-21:35	14:05-14:35	08:05-08:35
	5. Uncertainty in flood risk modelling	John Perdikaris (OPG, Canada)	21:35-22:05	14:35-15:05	08:35-09:05
	6. Sources of uncertainties on Tsunamis	Sato Taichi (NRA, Japan)	22:05-22:35	15:05-15:35	09:05-09:35
	Coffee break (20 min)		22:35-22:55	15:35-15:55	09:35-09:55
	7. Panel discussion (50 min)		22:55-23:45	15:55-16:45	09:55-10:45

	8. Chair wrap-up (10min)		23:45-23:55	16:45-16:55	10:45-10:55
21 April 2022					
Day 2 Overview (15 min)		John Perdikaris (OPG, Canada)	19:00-19:15	12:00-12:15	06:00-06:15
Session 3	Topic: High winds				
Chair: John Nakoski (NRC, USA)	1. WGEV members presentation (30 min)	Dana Havlin Novakova (SUJB, Czech Republic)	19:15-19:45	12:15-12:45	06:15-06:45
Rapporteur: Gernot Thuma (GRS, Germany)	2. Identifying deterministic phenomenological based sources of uncertainty in the US related to high winds (30 min)	M. Levitan (NIST, USA)	19:45-20:15	12:45-13:15	06:45-07:15
	3. Probabilistic high wind hazard assessment focused on the sources of uncertainties to be addressed	Minkyu Kim (KAERI, Korea)	20:15-20:45	13:15-13:45	07:15-07:45
	Coffee break (20 min)		20:45-21:05	13:45-14:05	07:45-08:05
200 min	4. Presentation from external participants (30 min)	Carl Mazzola (Jacobs/Numark, Czech Republic)	21:05-21:35	14:05-14:35	08:05-08:35
	5. Panel discussion (50 min)		21:35-22:25	14:35-15:25	08:35-09:25
	6. Chair wrap-up (10 min)		22:25-22:35	15:25-15:35	09:25-09:35
	Coffee break (30 min)		22:35-23:05	15:35-16:05	09:35-10:05
Session 4	Wrap-up session				
Chair: John Perdikaris (OPG, Canada)	• Rapporteurs' reports (summary) + key messages from Chairs (each session/ 20 min)	Rapporteurs/ Session Chairs	23:05-00:05	16:05-17:05	10:05-11:05
80 minutes	• Findings, conclusions and recommendations for further work (20 min)	John Perdikaris (OPG, Canada)	00:05-00:20	17:05-17:25	11:05-11:25
	• Closing				