



**Commission for Environmental Cooperation
CEC Project: Costing Floods and Other Extreme Events**

Virtual Workshop: 2nd CEC Expert Workshop

**Draft Agenda
22, 23 October 2020
8:00 – 14:35 (PT)
10:00 – 16:35 (CT)
11:00 – 17:35 (ET)**

* *PT = Pacific time; CT=Central time; ET=Eastern time.*

Day 1, Thursday		
Thematic Discussion 1: CEC flood project preliminary findings		
Session Chair: Renee McPherson (University of Oklahoma)		
Rapporteur: Ana María Alarcón Ferreira and Lynn Rae		
Time	Topic	Speaker
8:00 - 8:30 (PT) 10:00 - 10:30 (CT) 11:00 - 11:30 (ET)	Welcome remarks and introductions	<i>Renee A. McPherson</i> (University of Oklahoma) <i>Orlando Cabrera Rivera</i> (CEC Secretariat) <i>Expert representatives</i>
8:30 - 8:45 (PT) 10:30 - 10:45 (CT) 11:30 - 11:45 (ET)	Overview of the CEC project and the workshop objectives	<i>Zafar Adeel</i> (Simon Fraser University)
8:45 - 9:00 (PT) 10:45 - 11:00 (CT) 11:45 - 12:00 (ET)	Project findings from Canada	<i>Hirmand Saffari</i> (Simon Fraser University)
9:00 - 9:15 (PT) 11:00 - 11:15 (CT) 12:00 - 12:15 (ET)	Project findings from Mexico	<i>Ana María Alarcón Ferreira</i> (Universidad Nacional Autónoma de México)
9:15 - 9:20 (PT) 11:15 - 11:20 (CT) 12:15 - 12:20 (ET)	Break	
9:20 - 9:35 (PT) 11:20 - 11:35 (CT) 12:20 - 12:35 (ET)	Project findings from the United States	<i>Lynn M Rae</i> (University of Arizona)
9:35 - 9:50 (PT) 11:35 - 11:50 (CT) 12:20 - 12:50 (ET)	Common features and challenges in three countries	<i>Xin Wen</i> (Simon Fraser University)

9:50 - 10:35 (PT) 11:50 - 12:35 (CT) 12:50 - 13:35 (ET)	Open discussion 1) How do we address these data gaps and knowledge gaps? 2) What are the common lessons for the CEC flood costing project?	
10:35 - 10:40 (PT) 12:35 - 12:40 (CT) 13:35 - 13:40 (ET)	Concluding remarks	<i>Renee A. McPherson</i> (University of Oklahoma)
10:40 - 12:20 (PT) 12:40 - 14:20 (CT) 13:40 - 15:20 (ET)	Break	
Thematic Discussion 2: Enhancing the CEC flood-costing method - Part 1		
Session Chair: Laura Bakkensen (University of Arizona) Rapporteur: Lynn Rae and Hirmand Saffari		
Time	Topic	Speaker
12:20 - 12:35 (PT) 14:20 - 14:35 (CT) 15:20 - 15:35 (ET)	Welcome remarks and introductions	<i>Laura Bakkensen</i> (University of Arizona) <i>Expert representatives</i>
12:35 - 12:50 (PT) 14:35 - 14:50 (CT) 15:35 - 15:50 (ET)	Re-cap of discussions from Thematic Discussion 1	<i>Laura Bakkensen</i> (University of Arizona)
12:50 - 13:10 (PT) 14:50 - 15:10 (CT) 15:50 - 16:10 (ET)	Federal government representative presentation	<i>Nicky Hastings</i> (Natural Resources Canada)
13:10 - 13:15 (PT) 15:10 - 15:15 (CT) 16:10 - 16:15 (ET)	Break	
13:15 - 13:30 (PT) 15:15 - 15:30 (CT) 16:15 - 16:30 (ET)	Insurance representative presentation	<i>Laura Twidle (Catastrophe Indices & Quantification Inc. , Canada)</i>
13:30 - 13:45 (PT) 15:30 - 15:45 (CT) 16:30 - 16:45 (ET)	Indigenous Concepts of Value and Ethical Community Engagement	<i>Maurice Cruz</i> (South Central Climate Adaptation Science Center, U.S.)
13:45 - 14:30 (PT) 15:45 - 16:30 (CT) 16:45 - 17:30 (ET)	Open discussion 1) How best can we prioritize the various elements of the CEC method? 2) How can we address knowledge and data gaps? 3) What are the potential challenges in real-world implementation?	
14:30 - 14:35 (PT) 16:30 - 16:35 (CT) 17:30 - 17:35 (ET)	Concluding remarks	<i>Laura Bakkensen</i> (University of Arizona)
Day 2, Friday		
Thematic Discussion 3: Enhancing the CEC flood-costing method - Part 2		
Session Chair: Gregg Garfin Rapporteur: Ana María Alarcón Ferreira and Hirmand Saffari		
Time	Topic	Speaker

8:00 - 8:15 (PT) 10:00 - 10:15 (CT) 11:00 - 11:15 (ET)	Welcome remarks and introductions	<i>Gregg Garfin</i> (University of Arizona) <i>Expert representatives</i>
8:15 - 8:25 (PT) 10:15 - 10:25 (CT) 11:15 - 11:25 (ET)	Re-cap of discussions from Day 1	<i>Zafar Adeel</i> (Simon Fraser University)
8:25 - 8:40 (PT) 10:25 - 10:40 (CT) 11:25 - 11:40 (ET)	The challenges in assessing impacts of cascading hazards	<i>Gregg Garfin</i> (University of Arizona)
8:40 - 8:55 (PT) 10:40 - 10:55 (CT) 11:40 - 11:55 (ET)	National Institute of Standards and Technology Flood Risk Assessment Tools for Communities	<i>Jennifer F. Helgeson</i> (National Institute of Standards and Technology, U.S. Department of Commerce)
8:55 - 9:00 (PT) 10:55 - 11:00 (CT) 11:55 - 12:00 (ET)	Break	
9:00 - 9:15 (PT) 11:00 - 11:15 (CT) 12:00 - 12:15 (ET)	Impacts of Urban Flooding	<i>Paul Kovacs</i> (Institute for Catastrophic Loss Reduction)
9:15 - 9:30 (PT) 11:15 - 11:30 (CT) 12:15 - 12:30 (ET)	Costing Impacts of Landslides and Cascading Hazards	<i>Frank Casey</i> (U.S. Geological Survey) and <i>Richard Bernknopf</i> (University of New Mexico)
9:30 - 10:15 (PT) 11:30 - 12:15 (CT) 12:30 - 13:15 (ET)	Open discussion 1) What are the common lessons and distinctions for incorporating cascading hazards with the CEC flood costing project? 2) How best we can integrate cascading hazards in the CEC method? What additional data and changes to the method are required? 3) What are knowledge and data gaps for cascading hazards? 4) (Optional) What are potential challenges in real-world implementation?	
10:15 - 10:20 (PT) 12:15 - 12:20 (CT) 13:15 - 13:20 (ET)	Concluding remarks	<i>Gregg Garfin</i> (University of Arizona)
10:20 - 12:20 (PT) 12:20 - 14:20 (CT) 13:20 - 15:20 (ET)	Break	
Thematic Discussion 4: Case studies to assess incorporation of cascading hazards		
Session Chair: Karla Mendez (CENAPRED) Rapporteur: Ana María Alarcón Ferreira and Xin Wen		
Time	Topic	Speaker
12:20 - 12:35 (PT) 14:20 - 14:35 (CT) 15:20 - 15:35 (ET)	Welcome remarks and introductions	<i>Karla Mendez</i> (CENAPRED) <i>Expert representatives</i>
12:35 - 12:50 (PT)	Re-cap of discussions from Thematic	<i>Karla Mendez</i>

14:35 - 14:50 (CT) 15:35 - 15:50 (ET)	Discussion 3	(CENAPRED)
12:50 - 13:05 (PT) 14:50 - 15:05 (CT) 15:50 - 16:05 (ET)	Economic impacts of drought: Insurance company perspective	<i>Laura Lagunes</i> (CATRISK MEXICO)
13:05 - 13:25 (PT) 15:05 - 15:25 (CT) 16:05 - 16:25 (ET)	Considerations for selecting case studies	<i>Adam Smith</i> (NOAA), <i>Nicky Hastings</i> (Natural Resources Canada)
13:25 - 13:30 (PT) 15:25 - 15:30 (CT) 16:25 - 16:30 (ET)	Break	
13:30 - 13:55 (PT) 15:30 - 15:55 (CT) 16:30 - 16:55 (ET)	Open discussion 1) Identification of partners and stakeholders for case studies 2) What are the pathways to develop future research and collaboration around cascading hazards?	
13:55 - 14:10 (PT) 15:55 - 16:10 (CT) 16:55 - 17:10 (ET)	Timeline and future project activities	<i>Zafar Adeel</i> (Simon Fraser University)
14:10 - 14:20 (PT) 16:10 - 16:20 (CT) 17:10 - 17:20 (ET)	Workshop conclusions	<i>Karla Mendez</i> (CENAPRED)