



## WCOGS – GEM Virtual Webinars

### Disaster Risk Reduction: The role of Geological Survey Organizations (GSO) in understanding risk and informing risk reduction actions

#### Part I - The Enablers: Mechanisms that facilitate GSOs' role in disaster and climate risk management

6 February 2023, 13:00-16:00 GMT

##### Welcoming remarks from WCOGS- GSC (event sponsor)

Sonia Talwar, Director – Pacific Division, Geological Survey of Canada, Natural Resources Canada

13:00 GMT

##### Remarks from UN Office for Disaster Risk Reduction (UNDRR)

Paola Albrito, Director, UNDRR

13:05 GMT

##### Setting the context: The role of GSOs in Disaster Risk Reduction & what we heard from GSOs around the world.

Sahar Safaie, Disaster and Climate Risk Management Specialist / Founder, Sage On Earth Consulting

Q/A

13:10 GMT

##### Panel 1: National governance mechanisms that enable GSO's role in disaster risk reduction

John Schneider, Secretary General, Global Earthquake Model (GEM) Foundation ([Chair](#))

Malaika Ulmi, Public Safety Geoscience Program Manager, Geological Survey of Canada, Natural Resources Canada

Matt Godsoe, Director of the Resilience and Economics Integration Division, Public Safety Canada

Mike Grimm, Assistant Administrator for the Risk Management Directorate within the Federal Emergency Management Agency (FEMA)

Q/A

13:30 GMT

##### Panel 2: Case studies on the importance of good governance for understanding hazards/risk and the use of information in disaster risk reduction

Sonia Talwar, Director – Pacific Division, Geological Survey of Canada, Natural Resources Canada ([Chair](#))

Richard Robertson, Professor of Geology, The UWI Seismic Research Centre

John Rees, Chief Scientist, British Geological Survey (BGS)

Daniela Di Bucci, Structural Geologist, International Relations and Activities Unit of the Italian Civil Protection Department (Presidency of the Council of Ministers)

Jethro B. Capino, Geologist, Department of Environment and Natural Resources - Mines and Geosciences Bureau (DENR-MGB), the Philippines & Liza Socorro Manzano, Chief Geologist at DENR-MGB

Q/A

14:40 GMT

##### Closing

Sonia Talwar, Director – Pacific Division, Geological Survey of Canada, Natural Resources Canada

15:55 GMT

## Part 2 - Science and Technology: Advancing methods, tools, and capabilities in hazard and risk assessment

13 February 2023, 16:00-19:00 GMT

### Welcoming remarks from WCOGS- US Geological Survey (USGS)

William Cunningham, Director, Office of International Programs, USGS

16:00 GMT

### Overview of the Global Earthquake Model and the lessons learned about partnerships at local, national, regional and global level

John Schneider, Secretary General, Global Earthquake Model (GEM) Foundation (Global)

16:05 GMT

### Panel 3: Advancing methodologies for Multi-hazard and systemic risk assessment

Phil Hill, Emeritus Geoscientist (Former Director of the Geological Survey of Canada Pacific Division) ([Chair](#))

16:35 GMT

Héctor Pérez, Seismic Risk Engineer & Assistant Professor of Structural Engineering, Colombia Geological Survey

David Wald, Supervisory Research Geophysicist, USGS

Mark Edwards, Director, the Vulnerability, Resilience and Mitigation Section, Geoscience Australia

Chesley Williams, Senior Director, Product Management, Risk Management Solutions, USA

Q/A

17:45 GMT

### Panel 4: Partnerships and good governance for advancing hazard and risk assessments

John Schneider, Secretary General, Global Earthquake Model (GEM) Foundation ([Chair](#))

Susan Loughlin, Volcanology Team Leader, British Geological Survey (BGS)

Masyhur Irsyam, Professor of Geotechnical Engineering, Bandung Institute of Technology, Indonesia

Yoshihiro Ishizuka, Volcanologist, Japan Geological Survey

Helen Crowley, Seismic Risk Consultant, EUCENTRE, Italy

Q/A

### Closing

William Cunningham, Director, Office of International Programs, US Geological Survey

18:55 GMT

## Part 3 – The Risk Management Goal: How GSOs can support awareness and advocacy, enhancing building codes, early warning systems, and resilience planning

20 February 2023, 3:00-6:00 GMT

### Welcoming remarks from WCOGS- GNS Science

Gill Jolly, Natural Hazards and Risks Theme Leader, GNS Science, New Zealand

3:00 GMT

### Global tsunami early warning program and its cross-jurisdiction approach

Denis Chang Seng, Programme Specialist Ocean Science, Intergovernmental Oceanographic Commission (IOC) of UNESCO

3:05 GMT

### The evolution of earthquake building codes and recommended approaches for advancing building codes

Tuna Onur, Earthquake Hazard and Risk Consultant, Onur Seemann Consulting

Q/A

3:15 GMT

### Panel 5: Sharing experiences supporting development of DRR strategies, policies, and programs

(Awareness and information sharing, Building codes, Risk financing, DRR planning)

Steve Hill, Chief Scientist, Geoscience Australia ([Chair](#))

Nick Horspool, Senior Risk Scientist at GNS Science, New Zealand

Iswandi Imran, Professor in the Faculty of Civil and Environmental Engineering, Bandung Institut Teknologi, Indonesia

Jorge Crempien, Assistant Professor at Pontificia Universidad Católica de Chile

Leigh Wolfrom, Policy analyst, Directorate for Financial and Enterprise Affairs, OECD

Q/A

3:35 GMT

### Panel 6: Sharing experiences supporting development of DRR strategies, policies, and programs

(Advancing Building codes, Land use planning, and early warning systems)

Kate Moran, President, Oceans Network Canada ([Chair](#))

Maria Przytucka, Chief specialist in geohazards and engineering geology, Polish Geological Institute – National Research Institute

John Londoño, Technical Director of Geohazards, Colombia Geological Survey

Atalay Ayele, Professor and Director of Institute of Geophysics, Space Sciences and Astronomy (IGSSA), Addis Ababa University, Ethiopia

Andrew Tupper, Principal Consultant, Natural Hazards Consulting, Australia

Q/A

4:45 GMT

Q/A

### Closing

Gill Jolly, Natural Hazards and Risks Theme Leader, GNS Science, New Zealand

5:55 GMT