

## Conference Program

### Building Disaster Resilient Communities

## The 5<sup>th</sup> Conference of the International Society for Integrated Disaster Risk Management (IDRIM 2014)

### Pre-conference Event

#### Wednesday 29<sup>th</sup> October, 2014

4:30 pm – 6:00 pm                      IDRiM Society Board of Directors Meeting (SSC 5220)

### Conference

#### Thursday 30<sup>th</sup> October, 2014 (Day One)

7:30 am – 8:30 am                      Registration  
Main Foyer – Social Sciences Building, Western University, Grant Reuber Theatre (Room 2050)

8:30 am - 9:00 am                      Opening Session (Grant Reuber Theatre – Room 2050)  
Chair: **Paul Kovacs, Executive Director, ICLR**

Welcome Address:

**Amit Chakma**, President, Western University

**Norio Okada**, President of the IDRiM Society

9:00 am – 10:00 am                      Keynote Lecture One: *TBA*  
Speaker: **Keith Hipel, Professor, University of Waterloo**  
Chair: **Stefan Hochrainer**

10:00 am - 10:10 am                      Coffee Break

10:10 am – 11:20 am                      **Plenary Session One: Catastrophic Risk in North America**  
Chair: **Keith Hipel**

Presentation 1: *Operational Response Planning of Hospitals for Community Resilience During and After Mass Casualty Incidents*

**Liping Fang, Ryerson University**

**(in collaboration with David Bristow, Marilyn Heng, Michele Bristow, Keith W. Hipel)**

Presentation 2: *Measuring economic resilience to disasters*

**Adam Rose**, Coordinator for Economics, CREATE, University of Southern California

Presentation 3: *Making cities resilient to disasters*

**William Siembieda**

Questions and discussion

11:30 am – 1:00 pm

Parallel Sessions One

Room 2024	Room 2028	Room 2032	Room 2036
<p><b>Making Cities and Communities Resilient</b> Chair: Bijay Anand Misra</p>	<p><b>Disaster and Transportations System</b> Chair: Adam Rose</p>	<p><b>Toward Resilient Humanitarian Relief Coordination</b> Chair: Junko Mochizuki</p>	<p><b>Towards NATECH Disaster Resilient Communities</b> Chairs: Ana Maria Cruz and Elisabeth Krausmann</p>
<p>1. Community Disaster Management Assets: A Case Study of the Valley Community in Valea Ierii, Cluj-Napoca, Romania <b>Yvonne Rademacher, Alexandru Ozunu, Camelia Botezan, Monika Meltzer</b></p> <p>2. A case study of unsuccessful public discussion over a dam construction plan <b>Junichi Yoshitani</b></p> <p>3. Community Preparedness in India <b>Meda Gurudutt Prasada</b></p> <p>4. The Implementation and the Issues of Preventative Evacuation - A Case Study of Kumamoto Prefecture, Japan <b>Kazuhiro Hoshide, Ryuji Kakimoto, Toshio Fujimi, Hwayoung Kim, Mamoru Yoshida</b></p>	<p>1. Modeling the Resiliency of Surface Freight Transportation Systems: A Simulation Approach with Application to Ontario <b>Hanna Maoh, William Anderson, Charles Burke, Kevin Gingerich</b></p> <p>2. Analyzing and simulating supply chain disruptions on the automobile industry <b>Kenji Ono, Yasuhiro Akakura, Msami Kanda</b></p> <p>3. Estimation of the Alternative Port for Prevention of Container Transport Disruption after LSD <b>Yasuhiro Akakura, Kenji Ono, Tomihiro Watanabe</b></p> <p>4. The role of behavioural responses in the total economic consequences of terrorist attacks on U.S. Air travel targets. <b>Adam Rose, Misak Avetisyan, Oswin Chan, and Heather Rosoff</b></p>	<p>1. Strengthening Disaster Resilience: Dealing with the priority for providing the basic relief supplies and preparing the related logistics <b>Hideyuki Ito, Wisinee Wisetjindawat, Muneta Yokomatsu</b></p> <p>2. Strategic Decision-making about Fundraising: Comparison of Competitive and Joint Fundraising Modes <b>Fuminori Toyasaki</b></p> <p>3. Between "efficiency" and "every last survivor": Comparative study of disaster relief volunteer coordination in the US and Japan <b>Yoko Matsuda</b></p> <p>4. Benefits, Incentives and Trade-offs: Simulating Horizontal Cooperation among Disaster Relief Organizations <b>Junko Mochizuki, Fuminori Toyasaki, Ioanna, Falagara Sigala, Werner Jammernegg</b></p>	<p>1. Frontiers of NATECH risk management <b>Ana Maria Cruz</b></p> <p>2. Assessing the Natech risk in earthquake-prone areas: A Natech case-study application <b>Elisabeth Krausmann, Serkan Girgin</b></p> <p>3. Households' Risk Perception Variation in Natech Evacuation Process <b>Junlei Yu, Akihiko Hokugo</b></p> <p>4. Case Study on Applied Area Business Continuity Management in Industrial Agglomerations <b>Hitoshi Baba, Masafumi Nagaishi, Taisuke Watanabe, Katsuji Miyata, Hideaki Matsumoto</b></p>

1:00 pm to 2:00 pm

Lunch

2:00 pm to 3:15pm

**Plenary Session Two:** Risk management as the foundation for integrated disaster management

Chair: **Adam Rose**

Presentation 1: *Integrating disaster management and climate change*  
**Gordon McBean**, ICSU President

Presentation 2: *Post-disaster business surveys in the area affected by the Great East Japan Earthquake: summary of the regional and sectoral impacts.*

**Hirokazu Tatano**, DPRI, Kyoto University

Presentation 3: *Creating and enabling environment to achieve disaster resilience*

**Joanne Linnerooth-Bayer**, IIASA Vienna

Questions and discussion

3:15 pm – 3:30 pm

Coffee break

3:30 pm – 5:00 pm

Parallel Sessions Two

Room 2024	Room 2028	Room 2032	Room 2036
<p><b>Learning from the Canterbury Earthquake Sequence- Addressing Cascading Events</b></p> <p>Chair: Rebecca Teasley</p>	<p><b>Disaster Models and Loss Assessment</b></p> <p>Chair: Saini Yang and Norio Okada</p>	<p><b>Collaborative Practice and Action Research toward Recovery from the 3.11 Earthquake and Tsunami: Survivors' Centered Approach with Disaster Volunteers at Team North Rias</b></p> <p>Chair: Tomohide Atsumi</p>	<p><b>Conceptualizing and Modeling Disaster Resilience in the Context of Risk</b></p> <p>Chair: Stefan Hochrainer</p>
<p>1. <b>William Siembieda</b></p> <p>2. <b>Rebecca Teasley</b></p> <p>3. <b>Liam Wotherspoon</b></p>	<p>1. To Make it As Small and Sustainable as Possible to Implement by Yonmenkaigi System Method (YSM)- a Gamification-based Win-Win Communication and Collaboration Workshop Method for Disaster Reduction <b>Norio Okada</b></p> <p>2. A new approach for multi-hazard risk assessment: case study of meteorological hazards on transportation network in Beijing <b>Saini Yang, Jiayuan Ye, Guofan Yin</b></p> <p>3. Exceedance probability of multiple meteorological hazards: Risk assessment of China <b>Wei Xu, Li Zhuo, Jing Zheng, Peijun Shi</b></p>	<p>1. Paving the Salt Road: Recovery through Local History and Culture with Disaster Volunteers <b>Toshikazu Kangyu</b></p> <p>2. Sense of Life Recovery and its Determinants Two Years after the Great East Japan Earthquake: A Case of Noda Village <b>Motohiko Nagata</b></p> <p>3. The Determinants of Volunteer Work at the Disaster <b>Young-Jun Lee</b></p> <p>4. Vicissitudes of the Relationship between Disaster Volunteers and Survivors: A Theoretical Framework based on 3-year Activities in Noda Village <b>Tomohide Atsumi</b></p>	<p>1. Measuring and Operationalizing Flood Resilience and Socioeconomic Development <b>Adriana Keating, Reinhard Mechler</b></p> <p>2. Toward conceptual and modeling integration of risk and resilience approaches <b>Junko Mochizuki, Adriana Keating, Wie Liu, Stefan Hochrainer, Reinhard Mechler</b></p> <p>3. A Risk-Layer Approach for Climate Adaptation <b>Stefan Hochrainer-Stigler</b></p> <p>4. An Economic Growth Model for Disaster Risk Reduction – Case Study of Pakistan <b>Muneta Yokomatsu,</b></p>

	4. Physical damage and economic consequences of climate change on the coastal city areas of Shanghai, China <b>Jidong Wu</b>	5. Community Empowerment for Redesign through Processes of the Charrette-workshop in Noda Village <b>Shinji Kawamura</b>	<b>Hiroyuki Wada, Hiroaki Ishiwata, Takeshi Kono, Katsumi Wakigawa</b>  5. Compromise Not Consensus: Designing a Participatory Process for Landslide Risk Mitigation <b>Scolobig, A., J. Linnerooth-Bayer, M. Thompson, L. Cascini, S. Ferlisi</b>
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5:15 pm – 6:15 pm

IDRiM Society General Assembly Meeting (Reuber Theatre 2050)

### Friday 31<sup>st</sup> October, 2014 (Day Two)

9:00 am – 10:00 am Keynote Lecture Two:

Speaker: **Bijay Anand Misra, School of Planning and Architecture, Delhi, India**

*Creative Adaptation for Strategic Management: A Breakthrough in IDRiM Implementation and Building culture for Disaster Mitigation*

Chair: **Norio Okada**

10:00 am – 10:10 am

Coffee Break

10:10 am – 11:20 am

**Plenary Session Three** : IDRiM methodological topics

Chair: **Norio Okada**

Presentation 1: *Lessons learned from the 2013 flooding events in Canada*

**Paul Kovacs**, Executive Director, ICLR

Presentation 2: *Sample size computation for normal samples with environmental applications*

**Ian Mcleod**, Professor, Department of Statistical and Actuarial Sciences, Western University

Presentation 3: *A Critical Review of the Literature on the Relationship of Inequality and Conflict and Disaster Management*

**Manas Chatterji**, Professor of Management, State University of New York at Binghamton

Questions and discussion

11:30 am – 1:00 pm

Parallel Sessions Three

Room 2024	Room 2028	Room 2032	Room 2036
<p><b>Young Scientists Session 1</b></p> <p>Chair: Tao Ye</p>	<p><b>Young Scientists Session 2</b></p> <p>Chair: Wei Xu</p>	<p><b>Young Scientists Session 3</b></p> <p>Chair: Yoshio Kajitani</p>	<p><b>Young Scientists Session 4</b></p> <p>Chair: Muneta Yokomatsu</p>
<p>1. A methodology for estimation of business interruption loss caused by flood disaster: A case study of TOKAI heavy rain <b>Lijiao Yang, Yoshio Kajitani, Hirokazu Tatano, Xinyu Jiang</b></p> <p>2. Variability of Spatiotemporal Patterns of Precipitation Concentration Degree and Precipitation Concentration Period Between pre-1978 and post-1978 in China <b>Feng Kong, Peijun Shi, Jiayi Fang</b></p> <p>3. Development of Inundation maps for the Vancouver coastline under a changing climate <b>Nicholas Agam</b></p> <p>4. Risk assessment of agricultural production by crop forecast and prediction <b>Xing Wei, Zhao Zhang</b></p> <p>5. Cost-benefit Analysis of Reinforcement Policies on Rammed Earth Dwellings in Yunnan Province of China <b>Yaan Wang, Ming Wang, Tao Ye, Kai Liu</b></p>	<p>1. Life Quality Impact of Japanese Energy Policy of Substitution of Nuclear Energy <b>Eishiro Higo, Mahesh D. Pandey</b></p> <p>2. Linking Personal Social Network to Risk Attitude Using Simultaneous Equations Model <b>Chenxue Gao, Ming Wang, Tao Ye</b></p> <p>3. Social network and the value of local assets in disaster-damaged community <b>Hitomu Kotani, Muneta Yokomatsu</b></p> <p>4. Research on Spatial-temporal Regulation fo the Heat Wave in China <b>Mengyang Li, Peijun Shi</b></p> <p>5. Assessing the Sustainability of Risk Management Strategies for Financing Natural Disaster Risks <b>Naghmeh Pakdel-Lahiji, Mohsen Ghafory-Ashtiany, Stefan Hochrainer-Stigler, Mehdi Sadeghi</b></p>	<p>1. Multi-objective model for residents' allocation to earthquake emergency shelters with the case study of the central districts of Beijing, China <b>Xiujuan Zhao, Wei Xu</b></p> <p>2. Spatial Allocation Model for Storage of Relief Goods <b>Tetsuro Kajihara, Muneta Yokomatsu, Hideyuki Ito, Wisinee Wisetjindawat</b></p> <p>3. Disaster Education: Becoming a supporter or a survivor? <b>Yingying Sun</b></p> <p>4. Assessment of global heat health risk in RCPs and SSPs scenarios <b>Zhao Liu, Peijun Shi</b></p>	<p>1. Circumstance of Disaster Victims According to Multiple Attributes based on Newspaper Articles Reporting the Past Earthquake in Japan. <b>Takahiro Fujimori, Maki Koyama, Junji Kiyono</b></p> <p>2. Global trends in indices of daily temperature extremes for rice main growing seasons since 1981 <b>Xiao Song, Zhao Zhang</b></p> <p>3. Disaster Recovery in a Depopulated Region: A Field Study of the 2004 Nigata Chuetsu Earthquake <b>Kimiyuki Sakihama, Tomohide Atsumi</b></p> <p>4. Estimation on the Compound Hazard Severity of Tropical Cyclones over Coastal China during 1949-2011 with Copula Function <b>Yanting Ye, Weihua Fang</b></p> <p>5. Logistics of Natech Evacuation in Great East Japan Earthquake and Tsunami <b>Junlei Yu, Akihiko Hokugo</b></p>

1:00 pm to 2:00 pm

Lunch

2:00 pm to 3:30 pm

## Parallel Sessions Four

Room 2024	Room 2028	Room 2032	Room 2036
<p><b>Young Scientists Session 5</b></p> <p>Chair: Yvonne Rademacher</p>	<p><b>Young Scientists Session 6</b></p> <p>Chair: Xinyu Jiang</p>	<p><b>Young Scientists Session 7</b></p> <p>Chair: Yoko Matsuda</p>	<p><b>Facing Giant Forecasts: The Current State of Tsunami Disaster Prevention in Japan</b></p> <p>Chair: Katsuya Yamori</p>
<p>1. Can University - Volunteer - Centers be a New Sector for Disaster Relief? <b>Hiroaki Daimon</b></p> <p>2. The impact of natural disasters on China's international trade <b>Yongchang Meng, Peijun Shi, Saini Yang, Man Li</b></p> <p>3. A Comparative study on key elements of post-disaster recovery process in the United States and China —Case study of Greensburg and Nanba <b>Mimi Shi, Saini Yang, Juan Du, Xiaohua Sun</b></p> <p>4. Disaster Recovery by Restoration of Photos flooded by March 11 Tsunami: Opportunity to collaboratively remember the past even with those who passed away <b>Ryohei Miyamae, Tomohide Atsumi</b></p> <p>5. Adapting to Climate Change: Local Governance and Municipal Planning in Nova Scotia <b>Brennen Vogel</b></p>	<p>1. Vulnerability Assessment of Households Using Earthquake Risk Modeling in the Metropolitan Area of Shiraz, Iran <b>Mehdi Sadeghi, Mohsen Ghafory-Ashtiany, Stefan Hochrainer-Stigler, Naghmeh Pakdel-Lahiji</b></p> <p>2. Relationship between Mortality Rate and Topography or Inundation Depth under the Great East Japan Earthquake <b>Saki Yotsui, Maki Koyama, Aiko Furukawa, Junji Kiyono</b></p> <p>3. Study on the Occurrence Probability Model of Earthquake-Induced Landslides: A case of the Ms8.0 Wenchuan earthquake <b>Shang Jinglu</b></p> <p>4. Catastrophe-linked Securities for Business Interruption loss Due to Earthquakes <b>Tetsuya Tamaki, Hirokazu Tatano, Yumi Kohayakawa</b></p> <p>5. Evaluation of Effect of Measures Against Electric Power Supply Restriction Due to Nankai Through Earthquake <b>Tetsuya Torayashiki, Yoshiaki Kawata</b></p>	<p>1. A New Method of Learning About the Experiences of Disaster: A Case Study of Fixed-Point Photographs after the Great Hanshin-Awaji Earthquake <b>Junko Takamori, Hironori Yamaguchi, Tomohide Atsumi</b></p> <p>2. The Challenges Of Building Disaster Resilient Cities In Developing Nations – A case study of Nigeria <b>Onalaja Oluwalana J.</b></p> <p>3. Reconstruction of historical paddy rice yield spatial distribution based on multi-year satellite images <b>Miluo Yi, Tao Ye</b></p> <p>4. Contribution of climate change and technological progress to paddy rice yield in Hunan province, China <b>Zhu Wang, Tao Ye, Jun Wang, Zhuo Cheng, Peijun Shi</b></p>	<p>1. Overview of tsunami evacuation initiatives in Japan <b>Katsuya Yamori</b></p> <p>2. An Ethnographic Approach to Enhance Disaster Education and Tsunami Evacuation <b>Yingying Sun, Seiji Kondo, Katsuya Yamori</b></p> <p>3. Impact Analysis of sampling error on the Behavior model of human concerning evacuation planning <b>Fuko Nakai, Michinori Hatayama, Katsuya Yamori</b></p> <p>4. Tsunami evacuation evaluation system for plan development of community based evacuation <b>Michinori Hatayama, Fuko Nakai, Katsuya Yamori</b></p>

3:30 pm – 4:30 pm

Young Scientists Session: Poster and Discussion with Coffee

4:30 pm to 6:00 pm

**Panel session:** Disaster Risk from Different View Points  
Chair: **Ana Maria Cruz**  
Panelist: **Andrew Collins, Elisabeth Krausmann, Tomohide Atsumi, Saini Yang, Stefan Hochrainer-Stigler**

7:00 pm – 9:00 pm

Conference Dinner – Great Hall

### **Saturday 1<sup>st</sup> November, 2014 (Day Three)**

9:00 am – 10:00 am

Keynote Lecture Three:  
Speaker: **Kathleen Tierney, University of Colorado**  
Chair: **Paul Kovacs**

10:00 am – 10:10 am

Coffee Break

10:10 am – 11:20 am

**Plenary Session Four:** Case Studies in Disaster Management  
Chair: **Paul Kovacs**

Presentation 1:

*Disaster management in Canada*

**Lapo Calamai**, Director, Catastrophe Risk and Economic Analysis,  
Insurance Bureau of Canada

Presentation 2: *Sharing on the French experience of an integrated PPP national risk management system for natural hazards, from a risk transfer system to an IKMS for participative governance on risk reduction strategy implementation and financing.*

**Roland Nussbaum**, CEO Mission Risques Naturels

Presentation 3: *The evolving Canadian system for natural hazard risk management, with a focus on risk reduction and financing.*

**Blair Feltmate**, Associate Professor, University of Waterloo

Questions and discussion

11:30 am – 1:00 pm

Parallel Sessions Five

Room 2024	Room 2028	Room 2032	Room 2036
<p><b>Strategies for Post Disaster Mitigation Measures</b></p> <p>Chair: William Siembieda</p>	<p><b>Education, Tools, and Action for Supporting Safety</b></p> <p>Chair: Greg Oulahan</p>	<p><b>Disaster Risk Management and Governance</b></p> <p>Chair: Manas Chatterji</p>	<p><b>Natural Catastrophe and Climate Change Impacts</b></p> <p>Chair: Jonathan Lassa</p>
<p>1. Overview of Japan's Public Support Systems for Housing Reconstruction from Disaster and Ongoing Challenges towards Overcoming of Their Limitations <b>Shigeki Yamanaka, Norio Okada, Yoko Matsuda</b></p> <p>2. Understanding the political economy of flood disaster risk management in the Himalayan state of Uttarakhand in India <b>Jyotiraj Patra</b></p> <p>3. Retrospective Analysis of Community's Concerns on Flood Risk and Its Reduction in Shiga prefecture, Japan <b>Junho Choi, Subhajyoti Samaddar, Hirokazu Tatano</b></p>	<p>1. A Smartphone-based System for In-house Safety Using Augmented Reality Technology <b>Maki Koyama, Naoto Yokomakura, Shigeyuki Okada, Tadayoshi Nakashima and Junji Kiyono</b></p> <p>2. The role of education and indigenous knowledge in disaster preparedness <b>Sameen Masood, Muhammad Ali Jibran</b></p> <p>3. Structuralizing the emergency support functions for disaster waste management in Japan <b>Ryo Tajima, Nagahisa Hirayama, Masahiro Osako</b></p> <p>4. Study on the Role of Private Sector to Support Disaster Evacuees Caused by the Fukushima Daiichi Nuclear Power Plant <b>Ryosuke Aota</b></p>	<p>1. Frameworks for Building Disaster Resilient Societies from Policy Perspectives: Through Case Studies of Tohoku Disaster in Japan and "Sandy" in New York <b>Mika Shimizu</b></p> <p>2. An international perspective on legislation for the management of human-induced safety risks <b>Alfonso Niemand</b></p> <p>3. Development of a Disaster Risk Index for Sustainable Disaster Mitigation <b>Shingo Nagamatsu, Keiichi Sato, Masahiro Ooi, U Hiroi</b></p>	<p>1. Assessing Loss and Damage of Food Crops from Climate Extremes <b>Jonathan Lassa</b></p> <p>2. Water availability stress under climate change in San Paulo Brazil <b>Andre Schardong</b></p> <p>3. Flood Disaster and Risk Mitigation in the Ganges-Padma River Basin in Bangladesh <b>Shafi Noor Islam</b></p> <p>4. The typhoon XII in 2011 causing a great deal of damage with rain and flooding to the mountainous Kii Peninsula of Japan <b>Baba Kensuke</b></p>

1:00 pm – 2:00 pm

Lunch



2:00 pm – 3:30 pm

Parallel Sessions Six

Room 2024	Room 2028	Room 2032	Room 2036
<p><b>Information Systems, Media, and Decision Making</b></p> <p>Chair: Michinori Hatayama</p>	<p><b>Risk Management Case Studies</b></p> <p>Chair: Andrias Jordaan</p>	<p><b>Economic Analysis of Disasters</b></p> <p>Chair: Joanne Linnerooth-Bayer</p>	<p><b>Implementation toward Resilient Society</b></p> <p>Chair: Andrew Collins</p>
<p>1. Analysis of the assessment of the state of seismicity and frame and demographic vulnerability of Gorgan using Geographical Information System (GIS) <b>Reza Valizadeh, Farhaad Roshani, Leila Fathi, Maruam Roshani, Vida Hoseinpour</b></p> <p>2. Earthquake Vulnerability Identification Modeling through Geographic Information systems. <b>Januar H. Setiawan and Immaculata Christiana</b></p> <p>3. Building Community Engagement in an English Village through Social Media: Case Study of the Poo Patrol, Marsden, West Yorkshire, UK <b>Julia Meaton, Lisa Stringer</b></p>	<p>1. Wildfire Risk Assessment Methodology: Case study of the Northern Cape Province, South Africa. <b>Jordaan AJ, Jordaan AD, Procter M</b></p> <p>2. Hazard-forming environment analysis: a new methodology for hazard analysis <b>Baoyin Liu, Yim Ling Siu, Gordon Mitchell</b></p> <p>3. Copula based rainfall analysis for Assessment of Spatial Distribution of Flood Risk: Considering Multiple Flood Sources <b>Xinyu Jiang, Hirokazu Tatano</b></p> <p>4. Social vulnerability to flood hazards in Metro Vancouver, Canada <b>Greg Oulahen</b></p>	<p>1. Production Function for the Assessment of Economic Impact of a Natural Disaster <b>Yoshio Kajitani, Hirokazu Tatano</b></p> <p>2. Producer's Preferences for Paddy Rice Insurance Attributes and its implications for premium subsidy policy <b>Tao Ye, Yangbin Liu, Ming Wang, Peijun Shi</b></p> <p>3. Education and Micro-insurance: A tool for dealing with natural disasters to build disaster resilient societies <b>Muhammad Ali Qamar and Sameen Masood</b></p> <p>4. CGE Study of Economic Damage Caused by a Huge Earthquake <b>Masato Yamazaki, Yoshinori Sone</b></p>	<p>1. How communication research contributes to disaster management: Toward an interdisciplinary study <b>Chiung-wen (Julia) Hsu</b></p> <p>2. Building resilient societies in Africa <b>Mohammed Yimer, Arba Minch U., Ethiopia</b></p> <p>3. Measuring Progress on Climate Change Adaptation: Lessons from the Community Well-Being Analogue <b>Bryce Gunson, Brenda Murphy</b></p>

3:30 pm – 3:45 pm

Coffee Break

3:45 pm – 4:50 pm

Plenary Session Five: Theme: Lessons learned from the 2014 IDReM conference.

Chairs: **Paul Kovacs** (facilitator)

**Norio Okada**

**Andrew Collins**

**Adam Rose**

**Joanne Linnerooth-Bayer**

**Keith Hipel**

4:50 pm – 5:00 pm

Closing Remarks

**Paul Kovacs**

**Bijay Anand Misra**

**Norio Okada**