

Workshop on South American Infrastructure Risk and Disaster Management

October 18-19, 2012

Kennedy Hotel
Santiago de Chile

1. BACKGROUND

As part of the COSIPLAN Strategic Action Plan (PAE) 2012-2022, as approved in Brasilia on November 30, 2011, the Chilean Ministry of Public Works was entrusted with the organization of the first Workshop on Risk and Disaster Management to then gradually develop Applied Risk and Disaster Management Methodologies (see PAE 2012-2022, Action 6.1.5, and Work Plan 2012).

Losses associated with geological and climatic events have substantially increased over the last few decades, involving economic losses, due to both the effects of natural phenomena and the structure and type of works constructed.

According to Swiss Reinsurance Co. Ltd., in 2010 and 2011 natural catastrophes and man-made disasters caused the loss of more than 339 thousand lives as well as damages amounting to more than US\$334 billion.

The sectors primarily affected were transport (airports, roads, ports), energy and communications infrastructure, among others. These sectors are an essential part of COSIPLAN's work and of the process of integration of the South American countries.

It is deemed necessary to prioritize this topic by taking concrete actions to share experiences, create mechanisms of coordination and cooperation among the relevant bodies of IIRSA-COSIPLAN, and apply specific methodologies that help find enrichment in successful experiences and better face the challenges.

2. OBJECTIVES

The main objectives of COSIPLAN regarding this topic are the following:

- a) Share experiences and learn from good practice in infrastructure disaster management
- b) Make progress in prevention, reduction, maintenance, recovery and reconstruction of infrastructure for South American integration
- c) Promote a strategic and systematic approach to reduce vulnerability to threats and its associated risks to infrastructure within the framework of sustainable development and adaptation to climate change

- d) Use infrastructure recovery and vulnerability reduction as an opportunity to build resilience to future risks and create a safety culture
- e) Identify the actions necessary to speed up the implementation of a methodology at the level of the Project Groups of each IIRSA Integration and Development Hubs, build sub-regional capacity in risk management, and establish strategic partnerships including the development of joint agendas to ensure the continuity and strengthening of the process

The specific objectives of this workshop are as follows:

- a) Analyze the current status of this topic
- b) Exchange experiences among the South American countries
- c) Analyze a proposed risk and disaster management methodology to be applied to IIRSA Project Groups and then move towards its implementation

3. PARTICIPANTS

The participation of IIRSA National Coordinators, national officials concerned with the subject of the workshop, CCT representatives, and experts is expected.

4. PRELIMINARY AGENDA

Thursday, October 18

09:00 - 09:30 **Opening Session**

Alejandro Chang Chiang, Vice-Minister of Transport, Ministry of Transport and Communications of Peru. COSIPLAN Presidency Pro Tempore, held by Peru

09:30 - 11:00 **Panel 1: Climate Change, Natural Disasters and Infrastructure**

Moderator: Carlos Genatios (CAF, Development Bank of Latin America) - Geopolis Network Coordinator

- *Reis López Rello* (United Nations Development Programme, UNDP) - Towards the Development of Infrastructure Adapted to Climate Change
- *Sergio Lacambra* (Inter-American Development Bank, IDB, Infrastructure and Environment Sector, Rural Development and Disaster Risk Management) - IDB Financial Instruments for Risk Disaster Management and Catastrophe Risk Profile of a country.
- *Omar Bello* and *Gordon Wilmsmeier* (Economic Commission for Latin America and the Caribbean, ECLAC - The Sectoral Impact of Natural Disasters in Latin America: Effects on Infrastructure

Comments and Q&A

11:00 - 11:15 **Break**

11:15 - 13:00 **Panel 2: Institutional Changes**

Moderator: Sergio Lacambra (IDB)

- *Yves Ennesser* (Project Director at EGIS France) - Adapting Road Infrastructure to Climate Change
- *Pedro Bertone* (Infrastructure Director at the Secretariat for Strategic Planning and Investments, Ministry of Planning of Brazil) - The New Legal Framework of the Brazilian Civil Protection and Defense System: Criteria for the Selection of Priority Undertakings
- *Waldo Moraga* (Ministry of Public Works of Chile, Prevention and Emergency Unit) - Disaster Risk Reduction Management

Comments and Q&A

13:00 - 14:45 **Lunch (on your own)**

14:45 - 17:00 **Panel 3: Chile, an Experience**

Panel 3.1. Chile and Japan

Moderator: Rigoberto Garcia, Ministry of Public Works of Chile

- *Marco Almonacid* (Ministry of Public Works of Chile, Roads Office) - 02/27/2010 Earthquake and Tsunami in Chile: Effects on and Changes in Infrastructure
- *Taichi Minamitani* (Department of Global Environment, Japan International Cooperation Agency (JICA) - The Japanese Experience and Lessons Learnt from the Great Earthquake in Eastern Japan
- *Ariel Grandón* (Ministry of Public Works of Chile, Port Works Office) - Coastal Infrastructure and Post-Tsunami Experience
- *Gloria Muñoz* (Ministry of Public Works of Chile, Roads Office) - Ministry of Public Works GIS Applications in Infrastructure Risk and Emergency Management
- *Javier Narbona* (Ministry of Public Works of Chile, Waters General Office) - Management of Extreme River Floods

Comments and Q&A

Friday, October 19

09:00 - 10:45 **Panel 3: Chile, an Experience**

Panel 3.2. Moderator: Rigoberto Garcia, Ministry of Public Works of Chile

- *Tamara Cabrera* (Ministry of Public Works of Chile, Roads Office) - New Seismic Design Criteria for Bridges in Chile
- *John Rathkamp and Ernesto Pedreros* (Ministry of Public Works of Chile, Airport Office) - 2/27 Disaster: Experiences and Effects on Chilean Airport Infrastructure Planning
- *Joel Provoste* (Ministry of Public Works of Chile, Hydraulic Works Office) - Hydric Infrastructure for the Prevention and Management of Climatic Risks

- *Eduardo Hurtado* (Ministry of Public Works of Chile, Architecture Office) - Public Building Post-Earthquake Damage Assessment, and Evolution of Structural Regulations

Comments and Q&A

10:45 - 11:00 **Break**

11:00 - 12:45 **Panel 4: Methodologies**

Moderator: Diego Sánchez, CAF, Development Bank of Latin America

- *Natalia Torchia* (Undersecretariat for Territorial Planning of Public Investment, Ministry of Federal Planning, Public Investment and Services of Argentina) - A Consideration of Disaster Risk Reduction in Territorial Planning and Public Investment
- *Carlos Genatios* (CAF) - Geopolis: A New Program for the Management of Risks in Large Latin American Cities
- *Roberto Riveros* (Ministry of Public Works of Chile, Planning Office) - A Proposed Risk and Disaster Management Methodology to be Applied to IIRSA Project Groups

Comments and Q&A

12:45 - 13:15 **Next Steps in the Development and Implementation of a Methodology for Risk and Disaster Management in Infrastructure**

Conclusions of the workshop and closing session
COSIPLAN Presidency Pro Tempore, held by Peru