



Workshop on Multi-Hazard Early Warning Systems for Urban Areas

10-12 December 2013

*Radisson Hotel San José
San José, Costa Rica*

http://www.wmo.int/pages/prog/drr/events/MHEWSCITIEscentralamerica/index_en.html

Agenda

Day 1 – Tuesday 10 December 2013 Plenary Room: Zurqui 4	
0800 – 0900 Registration (Registration desk will be open throughout the Workshop)	
Session 1: Opening and introduction	
0900 – 1000	<ul style="list-style-type: none"> ➤ Welcome remarks by senior official from Costa Rica and official opening of the workshop ➤ Welcome remarks by the Workshop Co-Chairs: Ing. Vanessa Rosales Ardón (Presidency of CEPREDENAC) and Mr Juan Carlos Fallas (President of WMO Regional Association IV – Central and North America and the Caribbean) ➤ Objectives, structure, document list and working arrangements of the workshop – Maryam Golnaraghi (WMO)
Session 2: Background presentations Chair: Ing. Vanessa Rosales Ardón	
1000 – 1100	<ul style="list-style-type: none"> ➤ Early Warning Systems in Central America – Wilfried Strauch (CEPREDENAC) ➤ Latest Technical Advancements and Opportunities for Development of Multi-Hazard EWS – Maryam Golnaraghi (WMO) ➤ The Organization of American States and Early Warning Systems: The Central American Experience and Decision-making Support Tools – Pablo González (OAS) ➤ The Regional Committee on Water Resources (CRRH): Regional Activities and Mandates Supporting Early Warning Systems – Patricia Ramirez (CRRH) ➤ Importance of Community Preparedness and Coordination Through National to Local – Daniel Ureña Cot (IFRC)
1100 – 1130	Group Photo / Coffee break
Session 3: Presentations on good practices in urban MHEWS and lessons learnt Chair: Ing. Vanessa Rosales Ardón Key issues for discussions:	
<ol style="list-style-type: none"> 1) <i>Four components of an effective early warning systems: (i) monitoring, detection and forecasting of the hazards, (ii) translating hazard warnings into risk-based warning, (iii) communication of “authoritative” warning information with authorities and general public, (iv) activation of emergency preparedness plans and response systems</i> 2) <i>Policy, institutional roles and coordination among national agencies, local governments and authorities</i> 3) <i>Public awareness, education and drills</i> 4) <i>Feedback mechanisms to improve the system</i> 	
1130 – 1300	<ul style="list-style-type: none"> ➤ Ten Principals for Effective Early Warning Systems – Maryam Golnaraghi (WMO) (10 min) ➤ 30 minute presentations with 10 minute Q&A (5-minute videos could be shown as part of the 30 minute presentation) <ul style="list-style-type: none"> ▪ Early Warning System for Hydro-Meteorological Hazards in the Sarapiquí River Basin, Costa Rica – Juan Carlos Fallas (IMN) ▪ Early Warning System of the City of Medellín, Colombia – Jaime Enrique Gómez Zapata (DAGR)
1300 – 1400	Lunch
Session 3: Presentations on good practices in urban MHEWS and lessons learnt (Continued)	
1400 – 1600	<ul style="list-style-type: none"> ➤ 30 minute presentations with 10 minute Q&A <ul style="list-style-type: none"> ▪ Early Warning System and the Role of the Cuban Meteorological Service – Magdiel Carrasco ▪ Early Warning System of the City of Santa Fe, Argentina – Luis Eduardo Aguirre Madariaga ▪ Tendencies and some Observations on Risk Management and Early Warning Systems in the City of Curitiba, Brazil – Renato Eugenio de Lima ▪ Early Warning Systems in Chile – Guillermo Madariaga Meza ▪ Flood and Landslide Early Warning System of the City of La Paz, Bolivia – Pamela Diana Pozo Luna ▪ Overview of Early Warning Systems and the Role of the National Meteorological and Hydrological Services in Mexico – Antonio Cruz Sánchez

1600 – 1630	Coffee break
Session 4: Identification Priorities, gaps and needs for the development of Multi-Hazard EWS in Urban Areas Chair: Ing. Vanessa Rosales Ardón	
1630 – 1700 (with interpretation)	➤ Presentation of the handout on “A Framework for Systematic Assessment of Capacities and Gap Analysis for Multi-Hazard EWS in Urban Areas” – Maryam Golnaraghi (30 minutes)
1700 – 1800	▪ Representatives from participating countries will work within their respective country teams to discuss the distributed questionnaire and prepare for the working group discussions on day 2
Cocktails (1830 in Room: Zurqui 2)	
Day 2 – Wednesday 11 December 2013	
Session 4 (Continued): The meeting is divided up into two working groups to review and analysis of capacities, gaps and needs and recommendations for priorities of action for the development and or strengthening of urban multi-hazard early warning systems. Chair: Mr Juan Carlos Fallas Note: All participants are requested to meet at 0900 am in the main conference room (Zurqui 4), before breaking up into working groups.	
Working Group 1: Panama, El Salvador, Costa Rica, Nicaragua, Colombia, Chile, Argentina Room: Zurqui 4 Co-Facilitators: Armando Guzman (World Bank) and Daniel Ureña Cot (IFRC) Rapporteurs: Breyner Mora Garcia Secretariat Support: Jochen Luther (WMO)	Working Group 2: Mexico, Guatemala, Honduras, Belize, Brazil, Cuba, Bolivia Room: Europa Co-Facilitators: Mayra Valle (CEPREDENAC) and James Douris (WMO) Rapporteurs: Pamela Diana Pozo Luna and Antonio Cruz Sanchez Secretariat Support: Rubén Vargas (UNISDR)
0900 – 1030	➤ Review and analysis of capacities, gaps and needs of the various national cases based on the presentation of the results of their respective cases using handout on “A Framework for Systematic Assessment of Capacities and Gap Analysis for Multi-Hazard EWS in Urban Areas”.
1030 – 1100	Coffee break
Session 4 (Continued) – Continuation of discussions in Working Groups	
1100 – 1300	➤ Review and analysis of capacities, gaps and needs and recommendations for priorities of action for the development/strengthening of urban multi-hazard early warning systems and related cooperation at local, national and regional levels.
1300 – 1400	Lunch
Session 4 (Continued) – Continuation of discussions in the Working Groups to summarize discussions and prepare presentations	
1400 – 1530	➤ The Working Groups will prepare presentation on common issues, challenges and priorities identified among countries.
1530 – 1600	Coffee break
Session 4 (Continued) – Presentations by the Working Groups Note: All participants are requested to convene in the main conference room for review of the outcomes of the Working Groups Chair: Mr Juan Carlos Fallas Room: Zurqui 4	
1600 – 1730	➤ 20 minute presentations by each working group on the outcomes with 10 minute Q&A: <ul style="list-style-type: none"> ▪ Workgroup 1 ▪ Workgroup 2 ➤ Discussions on challenges, opportunities and priorities of action for strengthening MHEWS in urban areas in the region.

Day 3 – Thursday 12 December 2013 Plenary Room: Zurqui 4	
Session 5: Regional, national, local coordination aspects of MHEWS <i>Chair: Mr Juan Carlos Fallas</i> Room: Zurqui 4	
0900 – 1045	<p>Facilitator: Pablo Gonzales (OAS)</p> <p>Panel 1: Policy, institutional roles and importance of national to local operational coordination and feedback mechanisms, role of government, civil society and private sector and importance of cooperation across sectors and levels</p> <p>Panellists:</p> <ul style="list-style-type: none"> ▪ Panellist 1 – Edgardo Acosta (DM Director of CNE) ▪ Panellist 2 – Absalón Martínez Navas (Mayor of Corinto, Nicaragua) ▪ Panellist 3 – Catherine Cumberbatch (National Meteorological Service of Belize) ▪ Panellist 4 – Marcia Sánchez (Red Cross of Nicaragua)
1045 – 1115	Coffee break
1115 – 1230	<p>Facilitator: Maryam Golnaraghi (WMO)</p> <p>Panel 2: Regional coordination and cooperation among countries and networks supporting national early warning systems</p> <p>Panellists:</p> <ul style="list-style-type: none"> ▪ Daniel Ureña Cot (IFRC) ▪ Wilfried Strauch, of the Geographical Analysis Unit and CAPRA program (CEPREDENAC) ▪ Juan Carlos Fallas (WMO) ▪ Patricia Ramírez (CRRH) ▪ Rubén Vargas (UNISDR) ▪ Pablo González (OAS) ▪ Armando Guzman (World Bank)
1230 – 1245	<ul style="list-style-type: none"> ➤ Workshop summary and next steps – Maryam Golnaraghi (WMO) ➤ Official closing of the Workshop – Co-Chairs
1245 – 1400	Lunch