

Network of Networks: Knowledge Sharing and Analysis for Disaster Management in the Asia Pacific Region

Information and Communications Technology and
Disaster Risk Reduction Division (IDD)

ESCAP

Contents

1. What is the United Nations ESCAP
2. ICT for Disaster Management (DM)
3. The Network of Networks of Knowledge Sharing and Analysis for DM in Asia-Pacific
4. Benefits and what to do next?
5. Questions and answers

What is the United Nations ESCAP

- Economic and Social Commission for Asia and the Pacific: 53 members, 9 associate members, 19 in Pacific; 600-staff secretariat
- Regional arm of the UN Secretariat
- Inter-governmental forum for all countries in the Asia-Pacific region, to cooperate towards achieving economic and social development
- strategic analysis, policy options, technical cooperation in these areas:

ESCAP Focus Areas

- Economic Policy; Trade and investment; Transport; Environment;
- Information, Communications, Space Technology and Disaster Risk Reduction; Social Issues; Statistics
- EPOC, APCTT, APCAEEM, APCICT, CAPSA, and SIAP.
- RCM; long partnership: ITU, JAXA, PIFS...

Increased disasters in the PICs

- Asia-Pacific: the hardest hit by natural disasters in the world.
- PICs: highly vulnerable to disasters, cyclones, droughts, tsunamis, storm surges, king tides...
- Global warming=> Increased frequency of natural disasters due to extreme weather.

Cross-cutting Information, Communication and Space Technology (ICST) applications for DM

Disasters: Earthquake, Storms, Drought, Fires, Tsunamis, King tides...

Cross-cutting responsibility: National security, Environment, Education, Science, Meteorological, Transport, Communications, Infrastructure, Energy, Statistics ...

<u>DM Activity</u>	Tools			
	Satellite images & remote sensing	Weather statistics	Demographic data	Etc ...
Hazard resistant design	X	X	X	Cross-cutting
Community & government capacity-building		X	X	
Forecasting & Warning	X	X	X	
Relief, Recovery, Reconstruction	X	X	X	
Etc ...				

Regional and international initiatives and networks for knowledge sharing

ESCAP identified more than 40 major
Networks for knowledge sharing active in
Asia-Pacific.

- Specialized by: Disaster type, Region and membership, Technology or specialty
- Examples: Pacific Disaster Net, GEOSS, PreventionWeb...
- Limitations

The Network of Networks of Knowledge Sharing and Analysis for DM

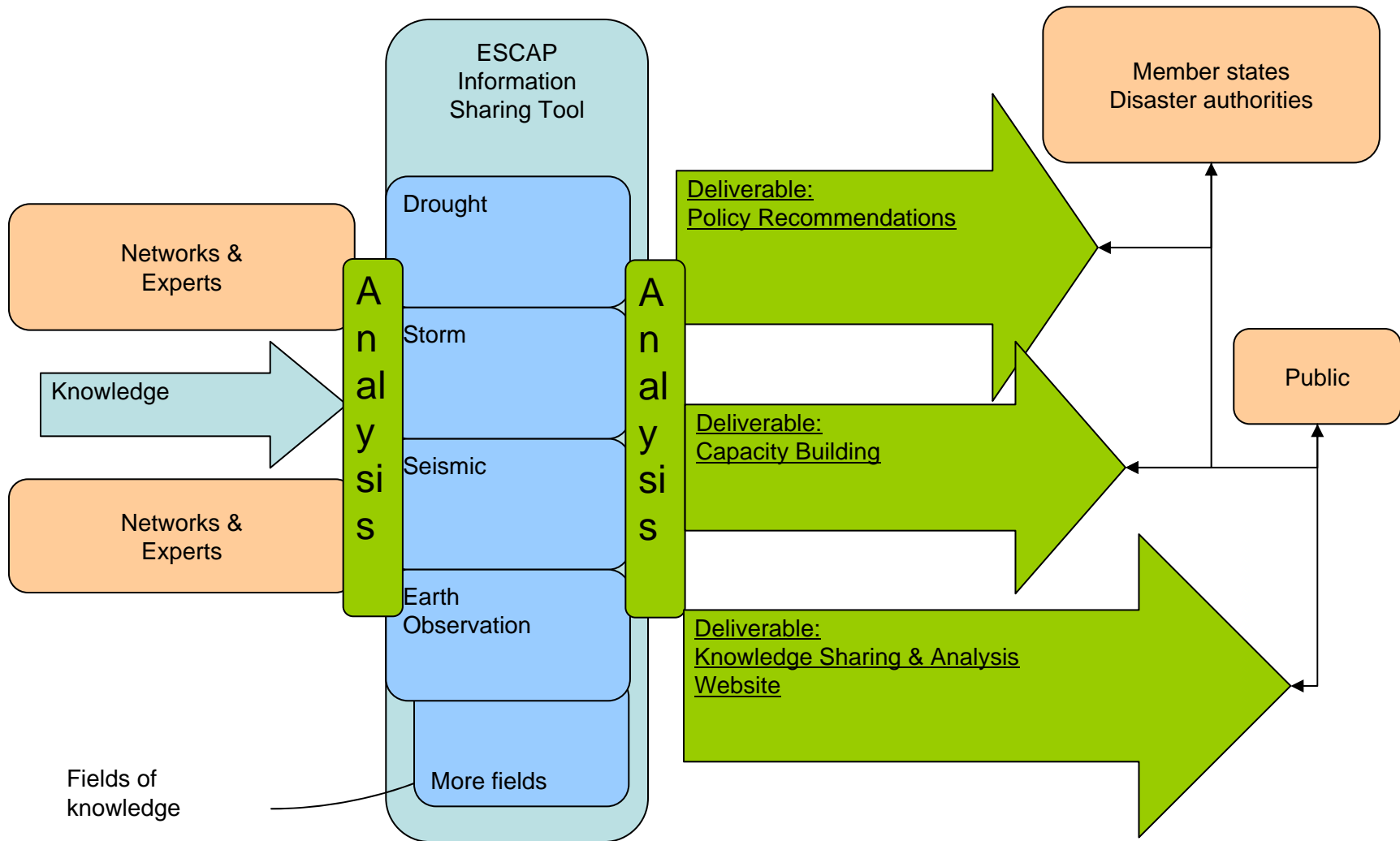
- To assist our Member States to maximize the use of information, knowledge, analysis and expertise
- ESCAP will actively search for knowledge and partner with networks in disaster management fields. The scope will be:

Continued from last


- **Fields:** All fields related to national disaster management and regional cooperation (from capacity building to satellite observation)
- **Disaster types:** All types of natural disasters
- **Time:** from pre-disaster, relief, recovery to reconstruction

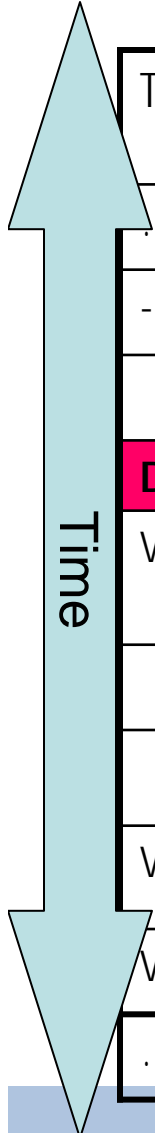
Why Network of Networks?

- Mandated by the Committee on Information and Communication Technology in November 2008
- Avoid duplication (e.g., water-related, already different networks, Typhoon Committee, Panel on Tropical Cyclones, etc.)
- Reinforce the existing networks (provide more info to the existing centers, e.g., land-based info to space-based, earthquake info to tsunami system, etc.)
- Reduce cost (individual center to develop options)
- Better prevention (tsunami, cyclone,)



Roadmap



 Time	Time	1) Task & Actors	2) Templates and knowledge base	3) Experts contacts		
					
	- 2 years	Hazard mapping	- Methodology			
		Early warning system	- Methodology			
	Disaster					
	Week 1	National Gov (NG): Form disaster response teams	TOR template - Experience f	<div style="border: 2px solid #00b050; padding: 10px;"> <p>The disaster managers at the national and municipal level, can refer to a website with:</p> <p><u>1) a sample action plan of what the different actors should be doing</u></p> <p><u>2) Templates, methodologies and best practices references</u></p> <p><u>3) A directory of contact points</u></p> </div>		
		NG: Launch aid appeal	- Template			
		Local Gov (LG): Gather security forces				
	Week 2	LG: Assessment surveys	-DOLA metho -Village Tract			
	Week x	Donor meeting	- Templates			
.....						

Benefits

Who can benefit:

- Regional DM networks and initiatives,
- National DM Platforms,
- ICT authorities,
- Research Institutions

Benefits

What to expect:

- Increased access to shared data and knowledge from the region
- Increased access to ICT applications and training for DM
- Templates, guidelines, suggested good practices for DM

Next Step

- The details of the proposed Network of Networks available
- Participate in the First Session of the Committee on Disaster Risk Reduction, 25-27 March 2009, Bangkok
- Nominate government focal points
- Nominate networks and initiatives to be included
- Bilateral discussions

Thank you



Questions & Answers

Image by

©JAXA/NHK