

# Synergized Standard Operating Procedures for Coastal Multi- Hazards Early Warning System

**Your Key to Success!**

# Thanks to

- United Nations Economic and Social Commission for Asia and the Pacific's Multi-Donor Trust Fund for Tsunami, Disaster and Climate Preparedness in Indian Ocean and South East Asia
- World Meteorological Organization
- Typhoon Committee
- Panel on Tropical Cyclones
- Working Group Chairs
- Typhoon Committee Secretariat
- Original SSOP committee
- Asian Disaster Reduction Center
- United Nations Educational Scientific and Cultural Organization's Intergovernmental Oceanographic Commission
- Nanjing University of Information Science and Technology
- World Meteorological Organization's Regional Training Center, Nanjing
- Local Organizing Committee

# Agenda

- Day 1
  - Opening
  - Member Reports
  - SSOP Manual and Guide intro
- Day 2
  - Instruction on use of SSOP Manual and Guide
  - Discussions
- Day 3
  - Scenarios for developing SOPs
  - Three discussion groups

# Why are we here?

- Promote community resilience, including vulnerable and special needs individuals, to coastal hazards through effective, synergized SOPs for multi-hazards EWS.
- In other words...
- Provide a roadmap for success during hazardous situations, so people can keep themselves, their loved ones and their property from harm.

# Goal of SSOP II

- Clearly Identified approach to SSOP development
  - Emphasis on impact-based warnings and forecasts
  - Bottom-up approach leads to one significant system
    - Local to national level, not the reverse
  - Multi-hazard
- Clearly describe steps to developing SSOPs
  - Manual explains steps for preparing SSOPs
- Provide easily understandable and practical guidance
  - Examples given
  - Checklists available

# Goal of SSOP II

- Extend the success of the original SSOP project
  - Cooperation on promoting capacity building of multi-hazards early warning between two regional bodies
- Focus on training to establish or strengthen SOPs based on the SSOP manual
- Provide resources and opportunities to involve social scientists, DRR experts and warning experts
- **Focus on training the mechanism of preparing and implementing SSOPs for coastal multi-hazards early warning systems.**

# Path to Readiness

- Plan/Design
- Create
- Manage
- Review
- Approve
- Publish
- Use!
- Track
- Update



# SSOP provides

- Detailed path for developing and strengthening SOPs
- Ideas on format
- Examples
- Checklist for reviewing your procedures



# The premise

- **Synergy**

- To create SOPs through a cooperative development, review, analysis, and documentation process in a multi-hazards and multi-agency way so the whole is greater than the sum of its parts.

- **Standard Operating Procedures (SOPs)**

- To identify, coordinate, integrate and document, in a logical order or sequence, a standard set of steps to be followed to ensure tasks are performed in the same way and to the same standard each time.

- **Multi-hazards**

- To identify and incorporate similarities of hazards into SSOPs.

# The premise (continued)

- **Multi-Agency**

- To coordinate and integrate different agencies' inter-related roles and responsibilities into each other's SOPs.

- **Sub-National**

- Levels between the national level and the community level. This would include provinces, territories, states, regions, divisions, governorates, prefectures, districts, and planning areas.

- **Time-line Concept**

- Tasks listed in chronological order of how they are to be performed.

# Four Elements of People-Centered Early Warning Systems

- Analyses of Risk and Risk Knowledge
  - Systematically collect data
  - Undertake risk assessment
- Monitoring and Warning Services
  - Develop hazard monitoring and early warning services
- Dissemination and Communication
  - Communicate risk information and early warnings
- Response Capability
  - Build national and community response capabilities

# Multi-hazard SOPs

- Coastal Hazards: Tsunamis, Tropical Cyclones, Thunderstorms, Very Heavy Rain, Strong Winds
- Emphasize Similarities
  - Monitoring
  - Planning charts
  - Dissemination systems
  - Coordination processes
- Careful Consideration of Differences
  - Behave differently
  - Different time scales
  - Affect different geographical areas

# Other important concepts

- Bottom up Approach
  - Local community through the national level
- Build and nurture relationships
- Ensure required information gets to those at risk in a timely, clear and understandable manner
- Practice, test and exercise the plan and warning system
- Continuity of Operations

Where are  
you on this  
path?



# Purpose of National Reports

- What are your challenges in developing and/or improving your operating procedures?
- What benefits do you believe the Manual on SSOP and this workshop will provide?