

Experience of Typhoon Committee in SOP for EWS

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Points of discussion

- Perspectives of TC History related to SIC-SOP
- Landmark of TC Reform:
 - Findings of 1999-review: Revisited
 - Workshop 2000: Direction setting revisited
- Possible strategies to SIC-SOP on EWS
- Remarks

Perspectives of TC History related to SIC- SOP

Emerging challenges by the climate change

- TC Vision: “the World’s best inter-governmental, regional organization for improving the quality of life of the Members’ populations through integrated cooperation to mitigate impacts and risks of typhoon-related disasters.”
- Needs a sound strategy to cope with Climate Change

Three elements of Strategy

- **To understand the future environmental conditions of the Typhoon Committee Area, especially vulnerable ecosystems**
- **To prioritize assessment of socio-economic impacts of climate change to support economic development**
- **To solicit support of policy makers and financial institutions**

Landmark of TC Reform

- Findings of 1999-review
- Workshop 2000: Direction setting

1999-Review: Composition of Responses

- 💧 **31 responses received (30 by 30-4-01) from 13 Members.**
- 💧 **26 responses from national agencies, 3 universities and 1 NGO;**
- 💧 **27 dealing with meteo-hydrological activities and 19 with DPP.**

1999-Review: Impacts of Typhoons

- ❑ Order of impacts: floods, strong winds, land slides, storm surges.
- ❑ *Annual damage by typhoons varies from \$5.5 million in Hong Kong, China to \$1.96 billion in Japan.*
- ❑ Benefits from typhoons: 50% of annual rainfall in Philippines. Good for water storage, agriculture including fishery, environmental management and other uses such as hydropower and navigation.

1999-Review: Priority Elements of DPP Process

- **Management process: data collection, forecasting and warnings.**
- **Capacity building process: forecasting technology, communication network.**
- **Institutional development process: inter-sectoral coordination.**

1999-Review: Core Capacity-building Elements

- **Forecasting technology (9/13) and basic communication network (9/13)**
- **Basic network development (7/13), core human resources development (7/13), advanced monitoring technology (7/13), advanced communication systems (7/13) and telemetering system (7/13).**

1999-Review: Priority Institutional Elements

- ☐ **Inter-sectoral coordination (1.30)**
- ☐ **Inter-provincial coordination (1.875)**
- ☐ **International cooperation (1.90)**
- ☐ **Decentralization (2.71)**

1999-Review: Benefits from TC Cooperation

- **Typhoon tracking (1.50)**
- **Weather forecasts (1.57)**
- **Forecasting operations (1.67)**
- **Satellite maps (1.80) and forecasting techniques (1.80)**
- **Fund mobilization (1.86)**
- **Technical assistance (1.89)**

1999-Review: Strategic Activities of TC Cooperation

- **Typhoon tracking (1.50)**
- **Weather forecasts (1.57)**
- **Forecasting operations (1.67)**
- **Satellite maps (1.80) and forecasting techniques (1.80)**
- **Fund mobilization (1.86)**
- **Technical assistance (1.89)**

1999-Review: Core Elements of Cooperation Strengthening

- **Forecasting technology (10/12)**
- **Communication network (7/12)**
- **Public information and education (6/12), policies and strategies development (6/12) and network development (6/12)**

Workshop 2000: Context of Priority Themes on TC Cooperation

- ☐ **The Typhoon Committee was established to enhance regional cooperation to deal with typhoons.**
- ☐ **Typhoons are now looked not only as hazards or potential disasters, but also boons or opportunities for development**
- ☐ **The new perception of typhoons and new socio-economic conditions require cooperation enhancement**

Workshop 2000: Factors in Deciding Goals of Cooperation Enhancement

- ◆ To better response to needs and socio-economic conditions of TC Members
- ◆ To be realistic about the existing human resources capacity of TC Members; and
- ◆ To build TC cooperation on flood forecasting into **A PROCESS involving various stakeholders at national and regional levels**

Workshop 2000: Prioritization Criteria

- ◆ To be based on TC Members' strength on ongoing efforts
- ◆ To benefit all TC Members
- ◆ To enhance interaction among Members
- ◆ To cope common priority needs to enhance visibility of the components
- ◆ To result in most important impacts to TC cooperation

Possible Strategy Development

Factors in Strategy Development

- **New environment and needs of DRR:
climate resilience and economic
development**
- **Experiences from most recent major
disasters**
- **Building on regional efforts for better
synergy**

Remarks

Recommendations

- To establish a TC project on Climate Change;
- To develop a clear program on SIC- SOP on EWS development and improvement
- To establish a capacity-building program on the above activities