



## **Theme 2**

# **Natural and Man-made Hazard Prevention and Management**

**Workshop 2 Meeting Challenges of Climate  
Change at the Local Level through ICM**



## **Theme 2** Natural and Man-made Hazard Prevention and Management

### **Workshop 2 Meeting Challenges of Climate Change at the Local Level through ICM**

---

- Climate change is with us and cannot be decoupled from development
- Adaptation occurs at local to regional scales and needs scientific information with high resolution
- It also requires anticipation, investment for information, data, equipment, warning systems, flexibility and organization
- International, regional cooperation and networking just as in ICM implementation is useful
- Computer modeling and investments in human resources, together with education, training in use of and interpretation of modeling results; principles of risk management; diversification of skills; education; enhancing abilities to adjust and change livelihoods; disaster management; preparedness; and use of warning system are all useful for adaptation and ICM. The ICM approach can meet the needs to address these thrusts. ICM has demonstrated ability to generate and support development. ICM is an integrated system just as climate is.



**The East Asian Seas Congress 2009**

Partnerships At Work: Local Implementation And Good Practices

23 – 27 November • Philippine International Convention Center, Manila, Philippines





## Conclusions

- **Adaptation measures need to be included in national development and strategic plans.**
- **Mainstreaming of disaster and risk management together with ensuring harmony between national and local government plans is necessary.**
- **Decision-making, plans, strategies need to have a science-base, but we know enough to implement common-sense adaptation measures now.**
- **Traditional knowledge of local communities can also be used.**
- **Perception and attitude change is needed both for the local communities, the managers and the scientists with respect to integrated management and human security.**
- **Several leading industries active in the coast, e.g., tourism and insurance, are highly motivated to be associated with ICM and climate change adaptation measures, the incentives being co-benefits, proactive disaster management and risk reduction for life, infrastructure and environment**





## **Theme 2** Natural and Man-made Hazard Prevention and Management

### **Workshop 2 Meeting Challenges of Climate Change at the Local Level through ICM**

---

## **Recommendations**

- ICM is a good approach to address climate change adaptation measures and development.
- Local adaptation, using existing ICM tools such as setbacks, hazard zones and permits can begin now based on existing climate change science.
- Local governments and their constituencies must be involved from the start and jointly planning the allocation of funds and budget specifications with joint decisions on use of funds
- Scientists need be trained in communication with local communities and local governments and adjust to the local needs, adaptation being site specific
- Awareness creation and education at the local level with capacity building generating direct involvement in actions is necessary
- Development of capacity to use new technologies, with technology exchange, including to generate and interpret high resolution data and computer modeling results, is important.



**The East Asian Seas Congress 2009**

Partnerships At Work: Local Implementation And Good Practices

23 – 27 November • Philippine International Convention Center, Manila, Philippines

