

Integration of Approaches to Adaptation Planning Across Economic Sectors



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Overview

- Identified Sectors
- Current Practices of Integration across Sectors
- Barriers, Challenges, Gaps
- Enabling Factors/Good Practices and Lessons Learned
- Actionable Recommendations
- Closing Thoughts

Identified Sectors

- Agriculture, Forestry, Fisheries
- Health
- Energy
- Water
- Tourism
- Coastal Zone
- Construction
- Transport
- Housing

Current Practices in the Agriculture Sector

- **Austria**-insurance for farmers-vulnerable to natural hazards, e.g. hail; involves private and public sectors; proactive planning for areas not currently affected
- **Bangladesh**- salient, flood and drought tolerant varieties of crops; involves districts, research institutes, FAO, etc.; evolved from National Disaster Management Programme and Strategy

Current Practices in the Health Sector

- **WHO**-GEF-funded capacity building Project-climate and health training programme in South East Asia; multi-sectoral; adapted to other Centres; 7 countries; country specific themes
- **Sri Lanka**-good control of malaria through multi-stakeholder, multi sectoral involvement; policy regulations recently adopted to fight dengue

Current Practices in the Energy Sector

- **Egypt**-Regional and national cooperation on technology transfer and information sharing; improving clean and green energy in rural areas; transport sector, electricity generation, etc.
- **Nepal**-90 % hydro-electric power; regional cooperation on information sharing and monitoring

Current Practices in the Water Sector

- **Bangladesh, India, Sri Lanka, Nepal**
 - 4 universities; 2 research institutions
 - Delivering 10 masters degrees & 5 PhDs on integrated water management
 - Improved water resource management and planning across sectors

Current Practices in the Water-Tourism Sectors

■ **Saint Lucia**

- Private-public sector initiative with government entities and private hotel
- Water conservation strategies involving rainwater harvesting & sewage treatment and recycling for toilet flushing, pool topping and landscaping
- Plan to mainstream into policy-mandatory water conservation mechanisms through DCA approval process for all commercial developments

Current Practices in Coastal Zone

■ Egypt

- In recognition of climate change, stakeholder involvement in the designation of additional marine protected areas
- Redirecting of roads away from ecologically sensitive areas

Current Practices in the Construction Sector

- **China**-Beijing Railway goes through permafrost area; incorporated climate change in design and construction
- **Saint Lucia**
 - Conducted study of impact on climate change on design wind speeds by ICC re Cat. IV and V hurricanes
 - Engineering guidelines prepared, wkshops held & planned
 - Demon. of findings via retrofitting of public building
 - Incorporated into National Hurricane Plan & National Emergency Management Plan
 - Plan to mainstream into policy-mandatory incorporation into design, retrofitting and construction through DCA approval process for all public buildings in 1st instance

Barriers, Challenges, Gaps

- **Institutional**-territoriality, lack of understanding, limited resources, inadequate capacity or tools, including regulatory mechanisms, sectoral budgeting & implementation
- **Human Resources**-technical, technological, capacity (overload)
- **Educational/Outreach**-transmission, relevance, tools

Barriers, Challenges, Gaps cont'd

- **Political**-tangible benefits over short term; elements of uncertainty
- **Retrofitting Challenges**-existing structures
- **Research**-local, national, sub-national to enable informed decision-making
- **Financial Resources**-drives many other barriers and the sustainability factor

Enabling Factors, Good Practices and Lessons Learned

- Incorporate climate change into national, sub-national and regional plans
- Involve stakeholders from planning to implementation at multi-levels
- Recognise benefit of, and promote public-private sector partnerships
- Obtain political buy-in-e.g. through planning for **short/medium term** as well as long term; through delivery of tangible products and via cost/benefit analysis
- Be proactive-always elements of uncertainty in decisions

Enabling Factors, Good Practices and Lessons Learned cont'd

- Promulgate lessons learned through adaptive replication
- Conduct research and share information at all levels to bridge knowledge gaps and trigger desirable outcomes
- Build capacity that will lend itself to involvement and generate action
- Select appropriate entry points and mobilise from **top down** and bottom up through national communication efforts

Actionable Recommendations

Preamble:

- Recognition that there is need for further & sustained:
 - Capacity building/training
 - Research/assessments
 - Development of guidelines and other tools
 - Participation in exchange programmes/sharing of information and experiences
 - Technology transfer
 - Information dissemination, and development of appropriate tools
 - Funding support

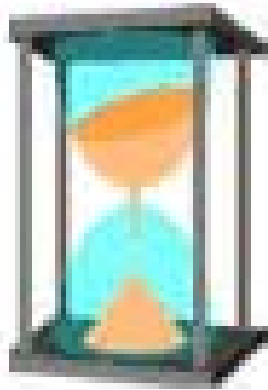
Actionable Recommendations cont'd

Need to:

- Support **adaptation fund** proposed during negotiations (or funding for adaptation), as a means to truly address integration of adaptation at a regional level
- Develop **programme-based approaches** to the integration of adaptation across economic sectors

Closing Thoughts

- General consensus that integration of adaptation across economic sectors is necessary
- Cautious about mal-adaptation
- Don't have all the answers-learning by doing
- Some real examples of integration, but still largely sectoral approaches
- Partially driven by ministerial structures, budgetary processes and resource allocation
- Innovative ways to bridge gaps
- Demonstration of willingness to implement integration of adaptation through negotiation outcomes



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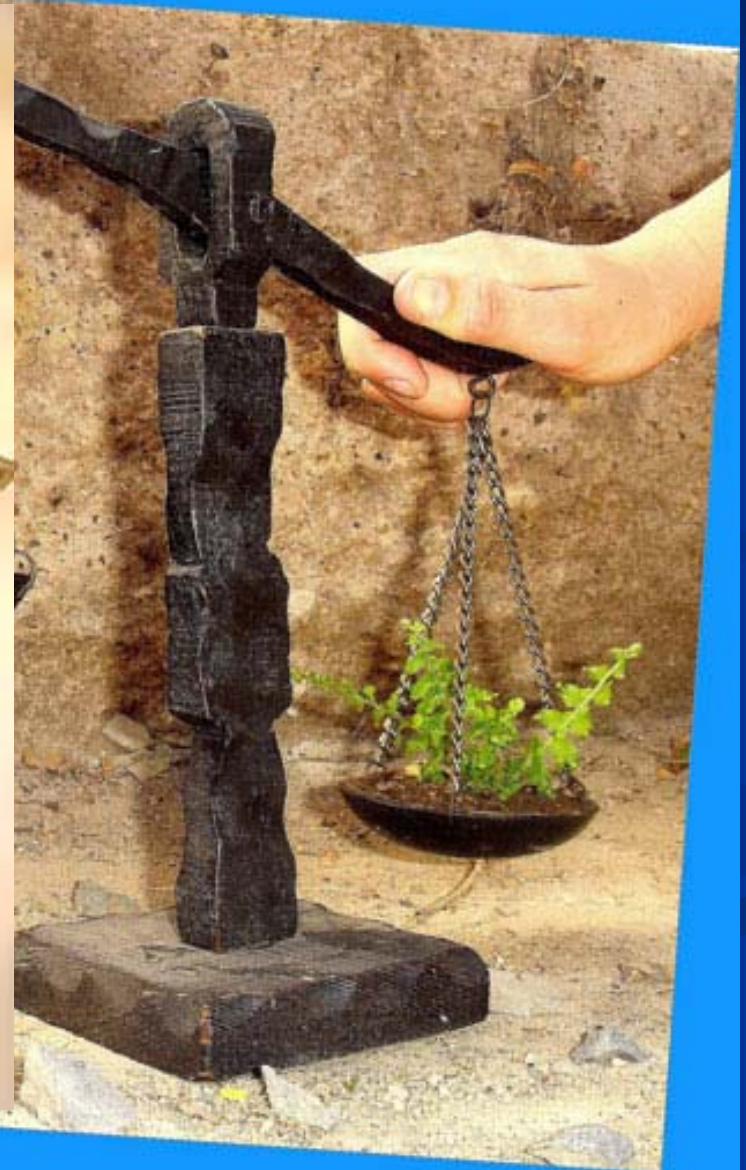
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"I'm afraid your house insurance didn't cover a wolf blowing it down."

The Time to Act is Now... The Day is Today... What will WE do?



Gracias

