

UNFCCC Workshop on Adaptation Planning and Practices, Rome, Italy, 10-12 September 2007

## Key Messages from IPCC (WG-II, Chapter 6)

- Coasts are experiencing the adverse consequences of hazards related to climate and sea level (very high confidence).
- Coasts will be exposed to increasing risks, including coastal erosion, over coming decades due to climate change and sealevel rise (very high confidence).
- The impact of climate change on coasts is exacerbated by increasing human-induced pressures (very high confidence).

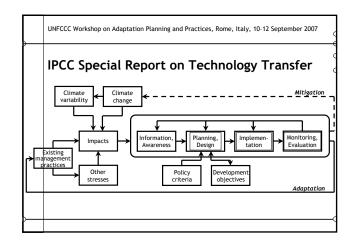
Wey Messages from IPCC (continued)

Adaptation for the coasts of developing countries will be more challenging than for coasts of developed countries, due to constraints on adaptive capacity (high confidence).

Adaptation costs for vulnerable coasts are much less than the costs of inaction (high confidence).

The unavoidability of sea-level rise, even in the longer-term, frequently conflicts with present-day human development

patterns and trends (high confidence).



Relevant Findings from the Cairo Workshop

Time frames for assessing, predicting and managing climate-related risks and extreme events in coastal zones vary considerably.

Non-climate stresses play a major part in increasing coastal vulnerability to climate-related risks and extreme events.

There are close links between adaptation to climate-related risks and extreme events, and disaster-risk reduction.

Stakeholder involvement is important at all stages.

Gaps and barriers include lack of process models and economic information, low awareness, weak institutions.

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## **Relevant Information from Submissions**

- Adaptation measures in coastal zones often involve investments in infrastructure, but also changes in practices and in regulations.
- Concerns about adaptation refer to lack of expertise and data, large investment required, competition for public funds, and pressure for development.
- Needs identified include a multi-disciplinary approach and cross-sectoral cooperation.
- Important planning tools include cost-benefit analysis and environmental impact assessment.