

Methods and tools in action ...

Screening UK development programmes for risks from climate change



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Background

- G8 Gleneagles commitment
- Pilot phase
 - ✓ Fiduciary risk
 - ✓ Guidance for operations
- Two activities:
 - ✓ Portfolio risk screening - country programmes
 - ✓ Review of decadal forecasting capability

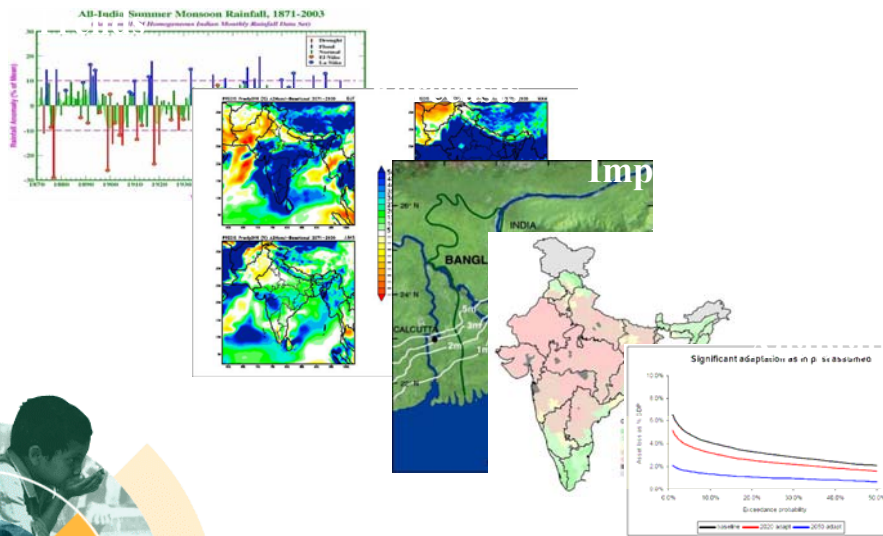


Approach to risk screening

- ORCHID¹: a step wise screening tool
 - Initial screening
 - Detailed climate risk assessment
 - Select adaptation options
 - Multi-Criteria Analysis
 - Cost Benefit Analysis



¹ Opportunities and Risks of Climate Change and Disasters



How well are we doing ?

- Climate signal
 - ✓ Short term : climate variability → DRR
 - ✓ Long term : uncertain trend → adaptive capacity

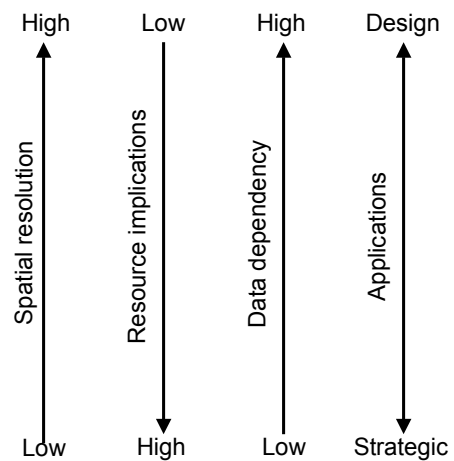
- Tools
 - ✓ Weak link: sensitivity and adaptive capacity
 - ✓ Option selection : typology, process, who selects

- Entry points
 - ✓ Portfolio analysis useful but too narrow
 - ✓ Guidance needed for macro and micro



Types of forecasting tools

- Sensitivity analysis*
- Change factors*
- Climate analogues*
- Trend extrapolation*
- Pattern Scaling*
- Weather generation*
- Empirical downscaling*
- Dynamic downscaling*
- Coupled climate models*

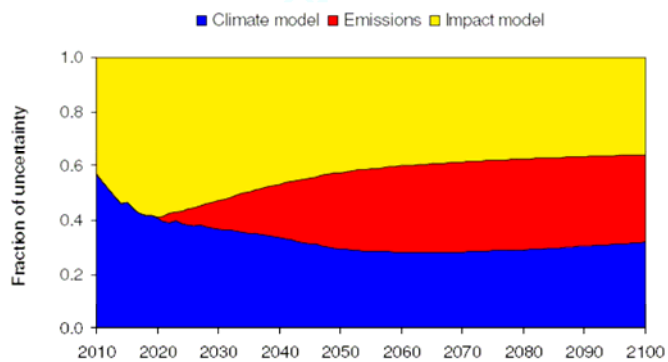


Horses for courses ...

National policy making	Dynamical downscaling
<i>Macro-economic analysis</i>	<i>Sensitivity analysis</i>
Communication	Dynamical downscaling
<i>Natural resource mgt</i>	<i>Pattern scaling and weather generators</i>
Community based dev	Climate analogues and empirical downscaling
<i>International advocacy</i>	<i>Coupled GCM's</i>



Uncertainties ...



Conclusions

- Portfolio risk screening is useful to assess overall risk
- ... but insufficient guide for adaptation planning
 - ✓ Adaptive capacity (including institutional strengths)
 - ✓ Insufficient guide for adaptation selection

- Long term uncertainty and limited short term signal
 - ✓ Concentrate on vulnerability to current climate ...
 - ✓ ... monitor, forecast and interpret ...
 - ✓ ... define the adaptation roadmap ...
 - ✓ ... start with 'no regret' options



Next steps ...

- Further work needed
 - ✓ Assess sensitivity
 - ✓ Assess adaptive capacity
 - Institutional needs
 - ✓ Guide for selecting cost effective adaptation
 - ✓ Dealing with uncertainty
 - adaptation roadmaps ?
 - ✓ Adapting national development plans

- Working with others
 - ✓ Promote sharing amongst tool developers
 - ✓ OECD: harmonise approaches
 - Development assistance



Thank you ...



Yvan, Thom, Rob ...
