Second International CC Adaptation Conference 2012

Two Approaches in CC Adaptation

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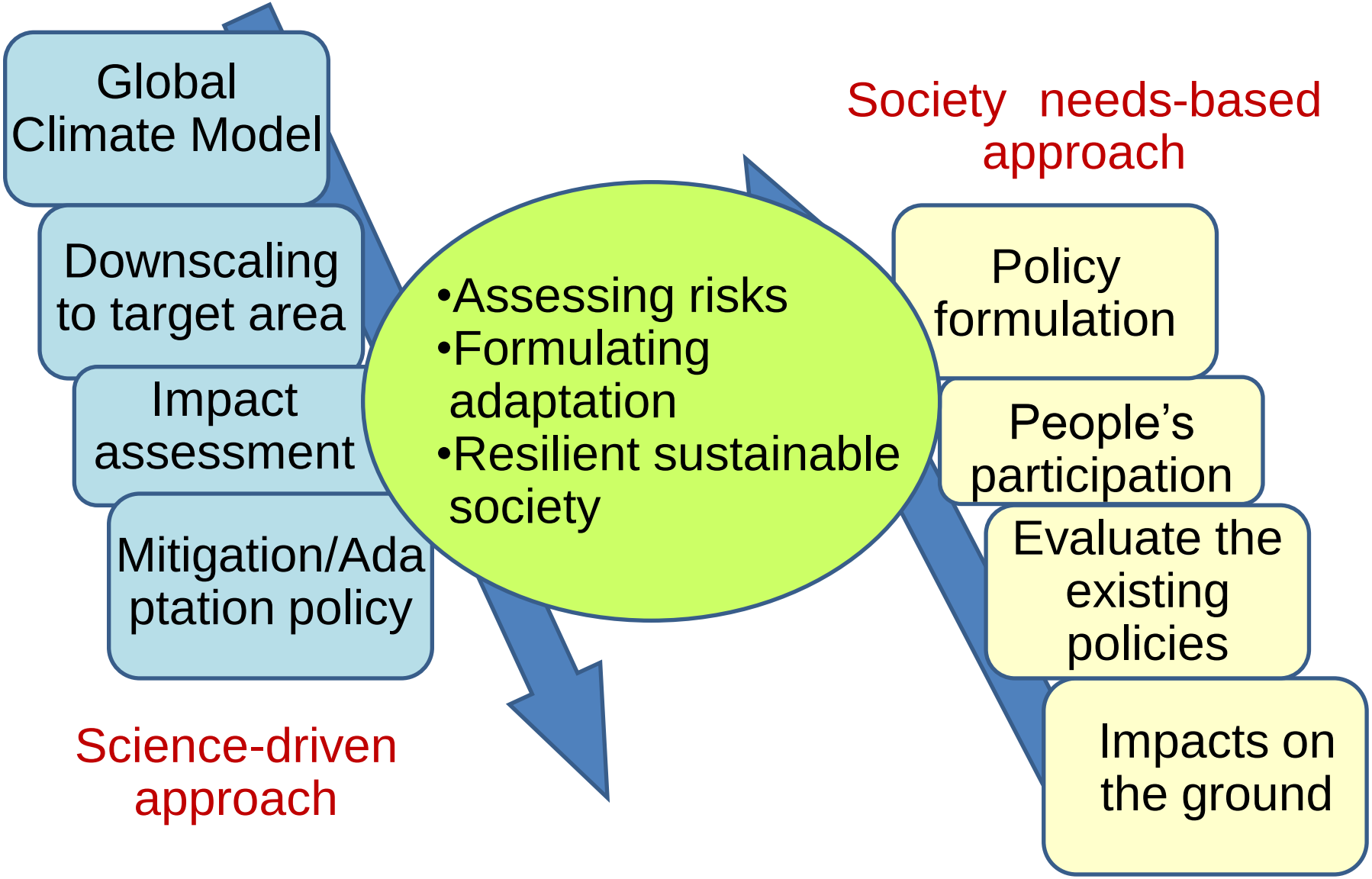
Approaches in Two Directions



Merits and Limitations

Science-driven approach:

- projections needed for proactive adaptation
- but too complicated for local governments and communities.

Society need-based approach:

- effective for responses to "today's problems" based on the needs on the ground
- but long-term CC risk may diffuse in the sea of problems

How to incorporate the scientific results to the today's decision-making?

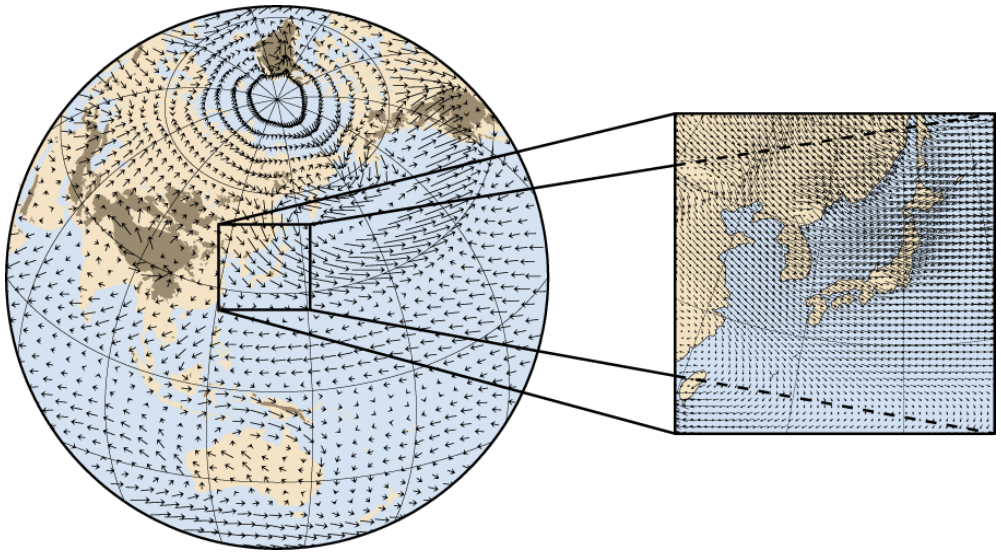
What capacity is needed for this?

Components of Science Approach

GCMs(Climate Models)

Downscaling

1) Dynamic downscaling
2) Statistical downscaling
3) Direct calculation



Impact models

1) Models for physical impacts
2) Measures for economic impacts
3) How to incorporate the changes in society
4) Effects of adaption

Assessing vulnerability and future risk

Adaptation planning