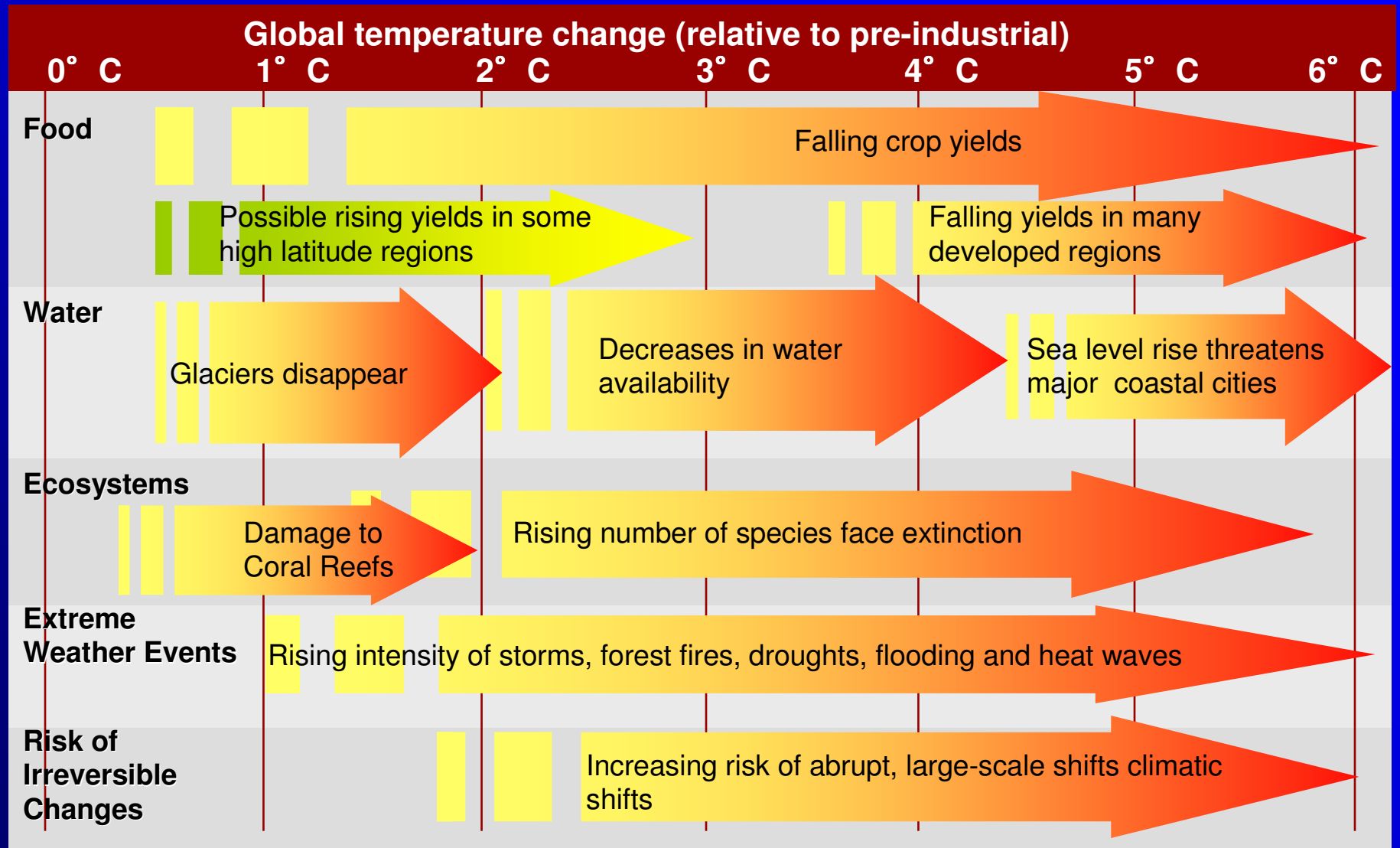


**The GEOSS Joint Asia – Africa Water Cycle
Symposium, Tokyo, Japan
25 - 27 November, 2013**

Venkatachalam Anbumozhi
Asian Development Bank Institute

Impacts of Climate Change



280ppm CO₂e
(Pre-Industrial)

430ppm CO₂e (Today)

550ppm CO₂e

650ppm CO₂e



Source: ADB, the Stern Review

Strategies for Adaptive Capacity Building

Stakeholders:

- *Policy Makers & Planners*
- *Knowledge institutes*
- *Community organizations*
- *Private companies*
- *Development partners*

SECTORAL ADAPTIVE CAPACITY

MAINSTREAMING

Step 4: Building lessons to policy to make adaptation part of BAU

PILOT INVESTMENTS

Step 3: Pilot activities involving governments, private sectors & CBO

TARGETTED COMMUNICATION

Step 2: Targeted information & training for Policy makers and planners

AWARNESS RAISING

Step 1: Building Scientific understanding & Capacity

Year:

0

1

2

3

4

5

6

7

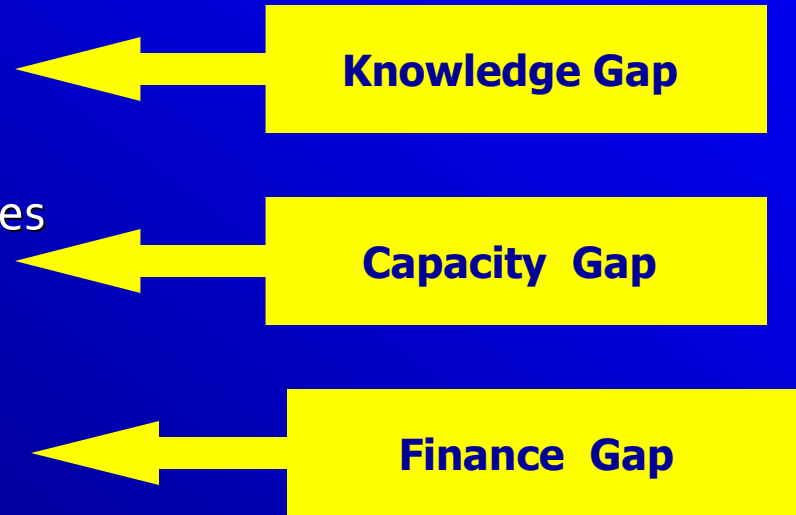
ADBInstitute

Barriers to Mainstreaming Adaptation

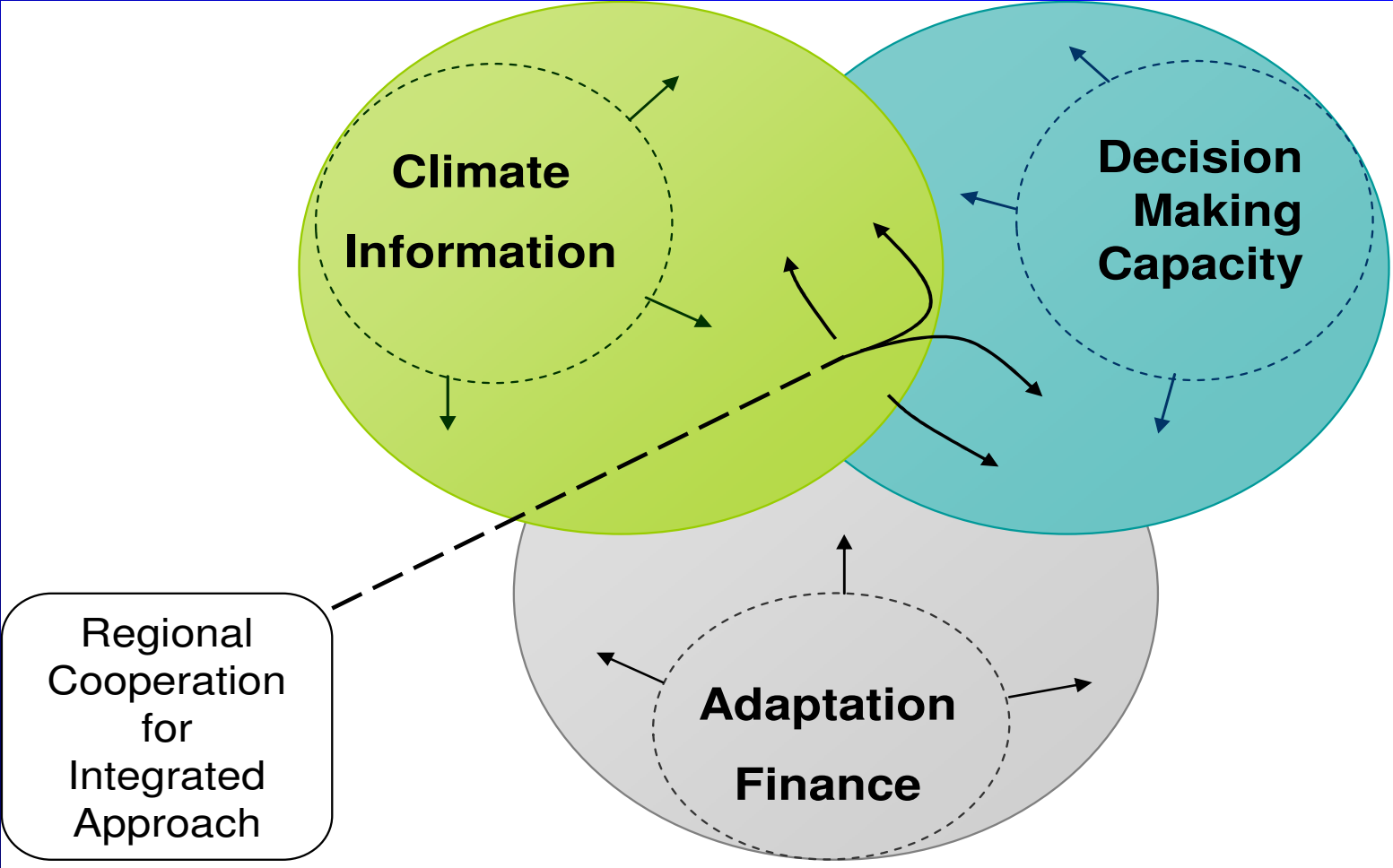
Mainstreaming – the way climate change issues are incorporated into water sectoral planning

Why not mainstreaming?

- Uncertainties in climate science
- Limited public awareness
- Limited structural & non-structural measures
- Weak human resources
- Weak public & private finance
- Adapting to Climate Change is too costly



Role of ADB/I in Improving the Adaptive Capacity



Climate change funds: global and ADB initiatives

Mitigation

Adaptation

Both

INTERNAL - developing Asia

Clean Energy Financing Partnership Facility
(\$90 m)

Small Grants for Promoting Climate Change Adaptation
(\$1.2 m)

Climate Change Fund
(\$40 m)

Carbon Market Initiative Funds
▪ Asia-Pacific Carbon Fund
(\$151 m to 2012)
▪ Future Carbon Fund
(target \$100m for post 2012)

Water Financing Partnership Facility
(\$65 m, including adaptation)

Poverty and Environment Fund
(\$3.6 m, including adaptation)

EXTERNAL - Global

Global Environment Facility (GEF) Climate Change Focal Area
(\$250 m/ year)

Least Developed Countries Fund (GEF as administrator)
(\$189 m - \$58m committed)

Special Climate Change Fund (GEF as administrator)
(adaptation priority, \$80m - \$67m committed; mitigation, target \$15m)

Clean Technology Fund of the Climate Investment Funds (WB as Trustee)
(target \$5 b for 2009-2012)

Strategic Priority on Adaptation (art of GEF Trust Fund)
(\$50 m – now fully committed)

Strategic Climate Fund of the Climate Investment Funds (WB Trustee)
Target:
- Pilot Program for Climate Resilience \$500 m
- Forest Investment Prog. \$500 m
- Greening Energy Access \$500 m

Adaptation Fund (GEF as administrator in cooperation with UNFCCC)
(\$100 m)