

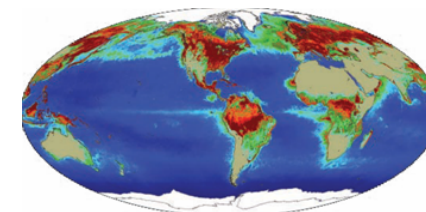
# Towards the IPCC AR5

Chris Field  
July, 2010

IPCC WGII  
<http://www.ipcc-wg2.gov/>

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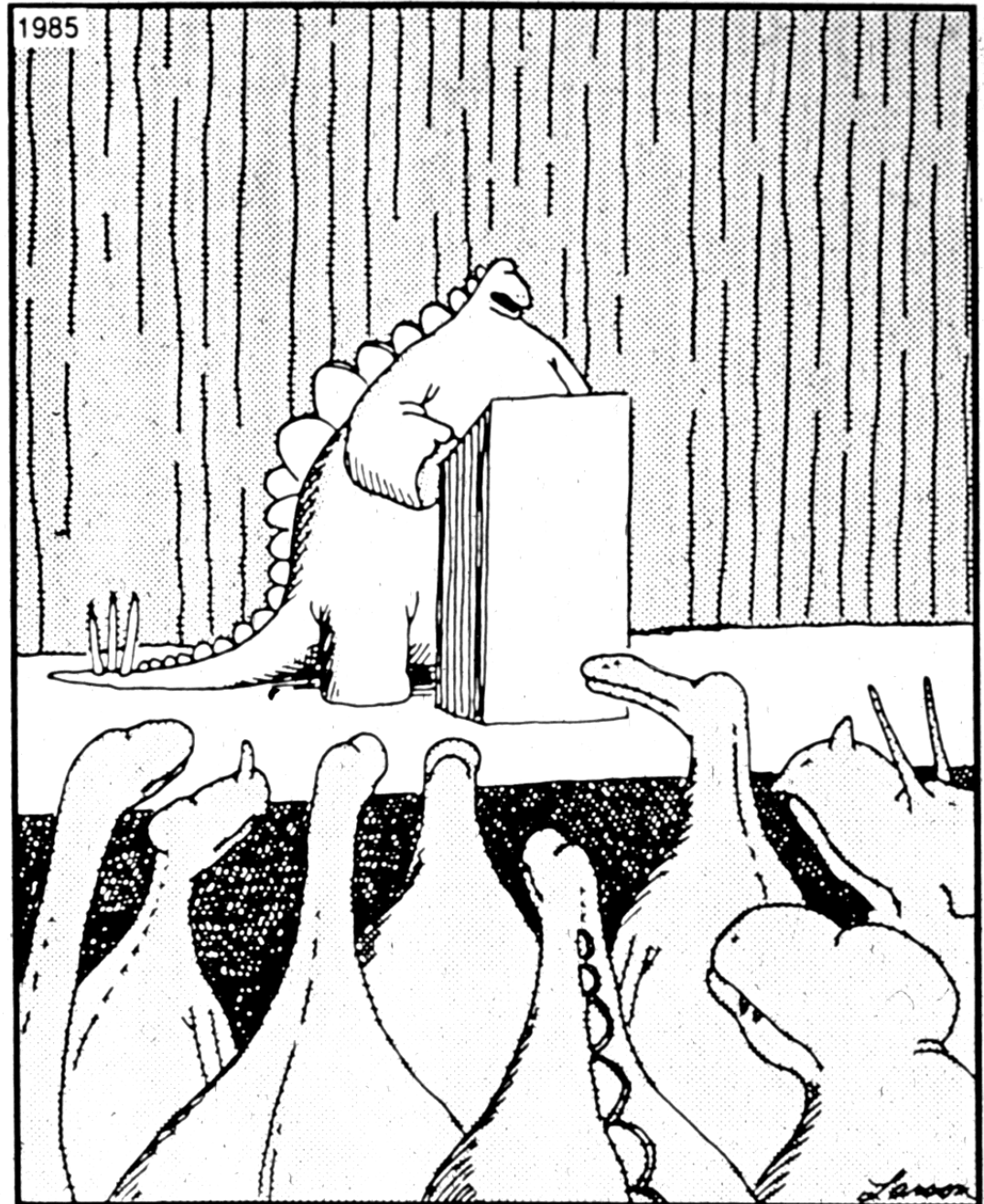


- Towards the AR5
- Opportunities/challenges for the adaptation community

The choice is ours ---

“The picture’s pretty bleak, gentlemen.... The world’s climates are changing, the mammals are taking over, and we all have a brain about the size of a walnut.”

Gary Larson, 1985



With 25 years of progress...



Patrick Chapatte, 2010

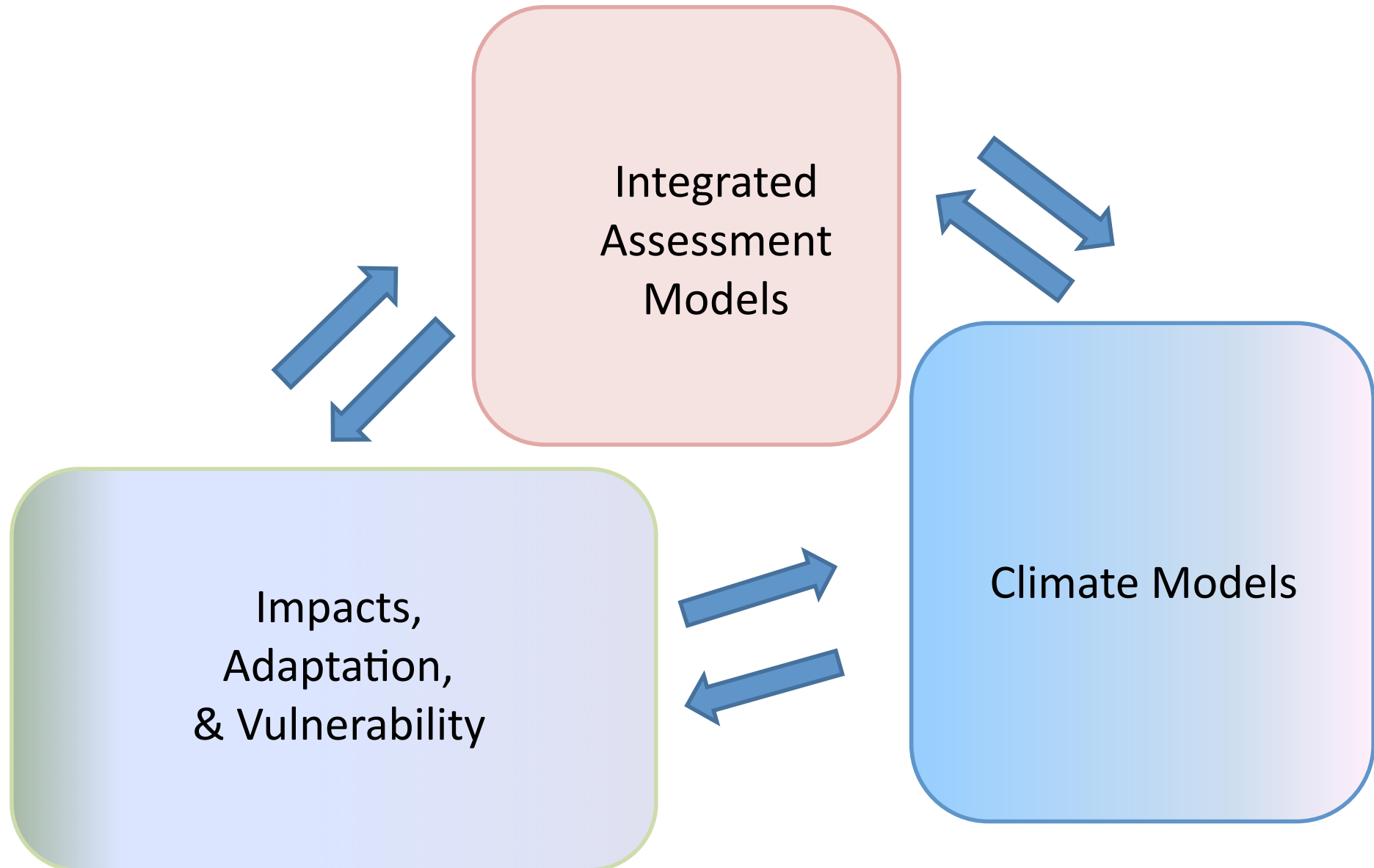
## IPCC AR5

- From “it’s real” to “here is the information you need to make good decisions for your stakeholders”
  - Integrated system framing
  - Risk management framing
  - Multiple stresses framing
  - Full partnership for adaptation
  - Clear communication

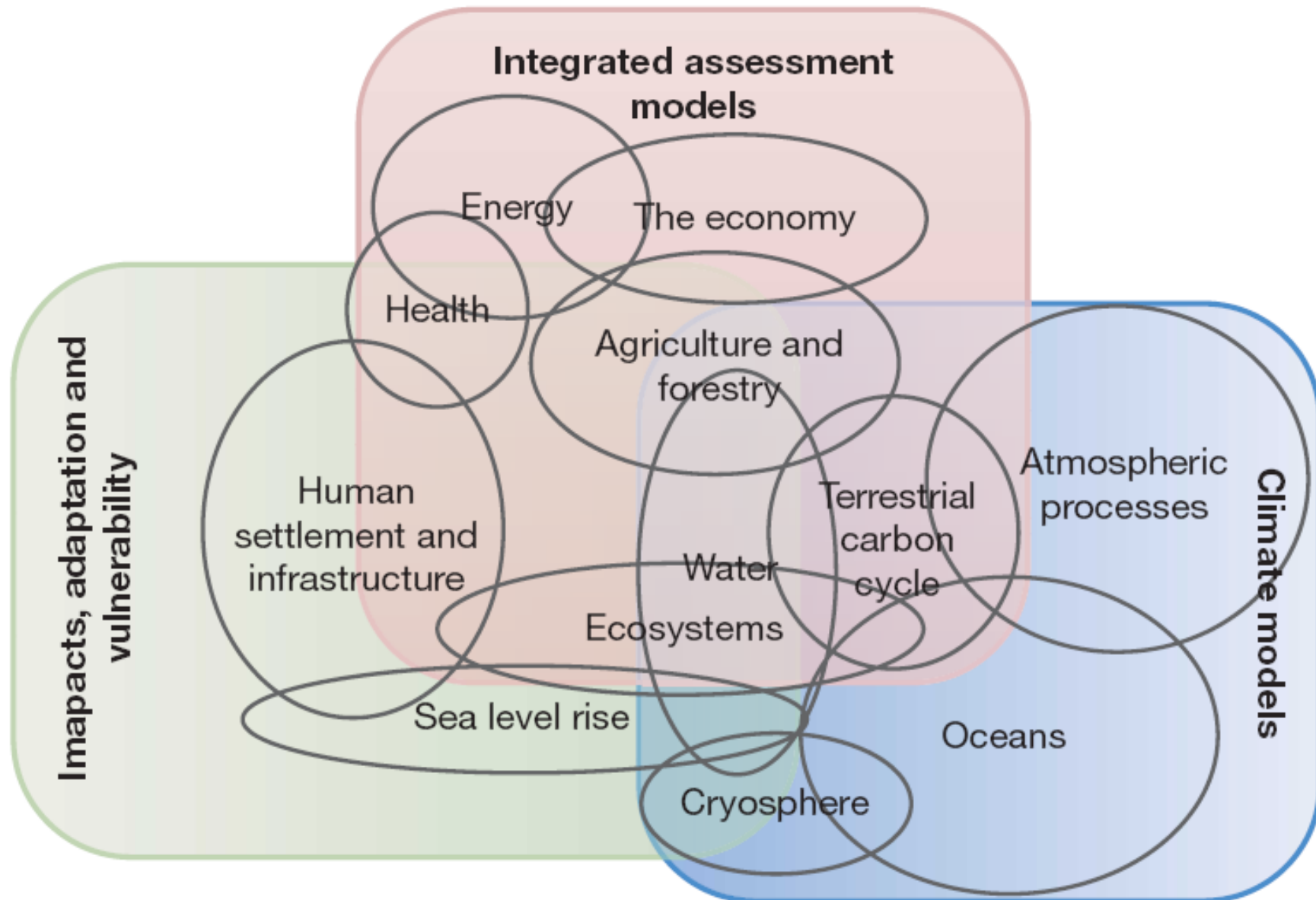
## Stakeholder needs

- Confidence in the assessment
  - Integrity
  - Nature of a consensus
  - Basic mechanisms
  - Multiple lines of evidence
- Support for decisions under uncertainty
  - Clarify but don't oversimplify
  - Effective use of technology

# Old view: An interconnected system



# Integrated system approach



## Major themes

- Building from the AR4
- Seamless transitions among working groups
  - Scenarios
  - Handoffs
  - Cross-cutting themes
- Regions

# WGI

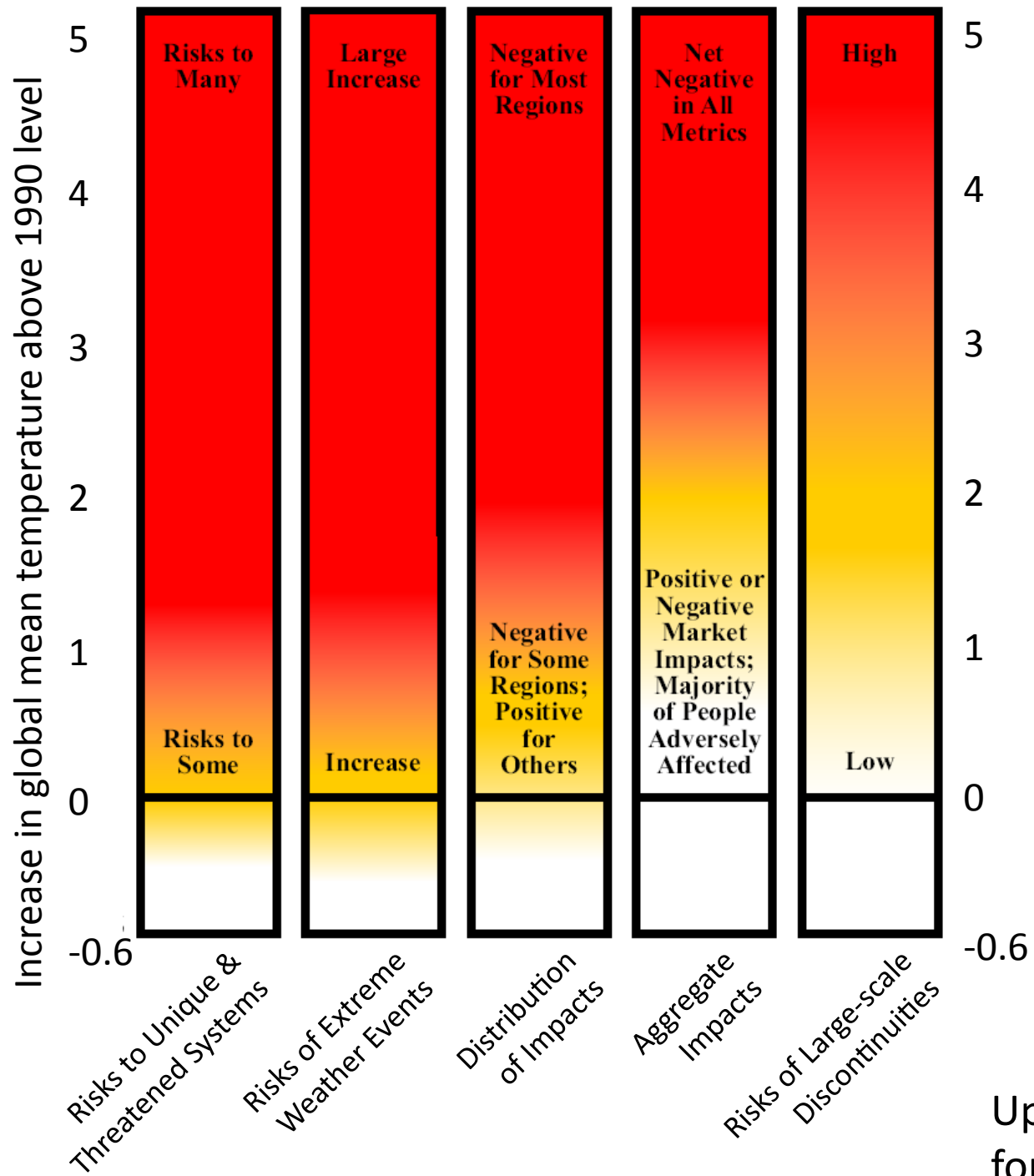
- 14 chapters (11 in the AR4)
- CLA/LA/RE team of 258
- New themes
  - Near term versus long-term climate change
  - Predictability, commitments, reversibility
  - Regional climate processes
  - Geoengineering

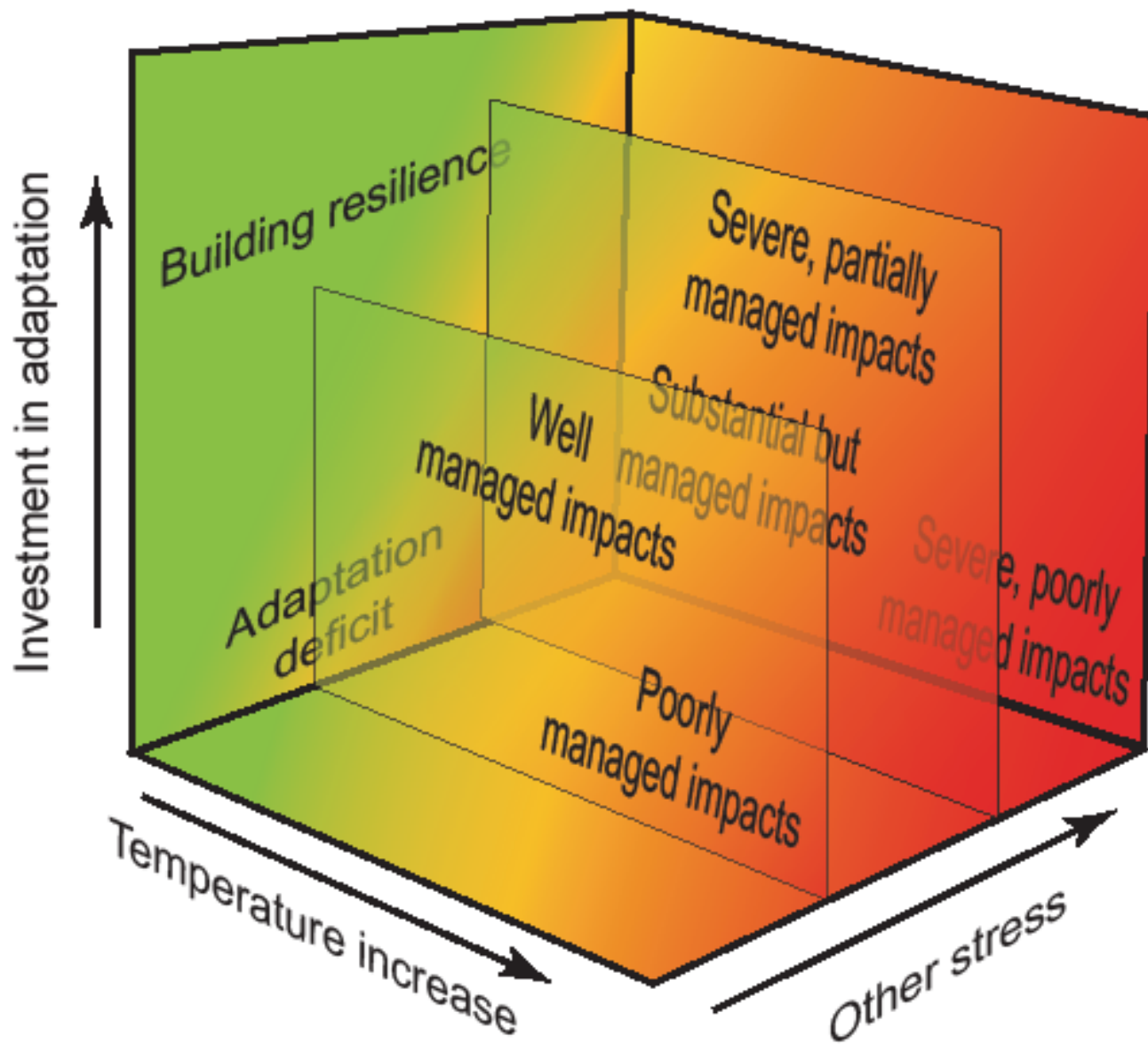
## WGIII

- 16 chapters (13 in the AR4)
- CLA/LA/RE team of 271
- New themes
  - Sustainable development
  - Ethics & equity & climate policy
  - Integrated risk and uncertainty
  - Transformation pathways
  - Second best options

# WGII

- 30 Chapters (20 in the AR4)
- CLA/LA/RE team of 302
- New themes
  - Integration of climate science & climate impacts
  - Broad range of assessed impacts
  - Climate change in the context of other stresses
  - Framing to support good decisions, including information on risk
  - Expanded treatment of adaptation
  - Integration of adaptation, mitigation, & development
  - Comprehensive treatment of regional aspects of climate change





# PART A: GLOBAL & SECTORAL ASPECTS

## **Context for the AR5**

- 1 Point of departure
- 2 Foundations for decisionmaking

## **Natural and Managed Resources and Ecosystems, and Their Uses**

- 3 Freshwater resources
- 4 Terrestrial and freshwater ecosystems
- 5 Coastal ecosystems and low-lying areas
- 6 Ocean ecosystems
- 7 Food systems and food security

## **Human Settlements, Industry, and Infrastructure**

- 8 Urban Areas
- 9 Rural Areas
- 10 Key economic sectors and services

## **Human Health, Well-Being, and Security**

- 11 Human health
- 12 Human security
- 13 Livelihoods and poverty

## **Adaptation and Development**

- 14 Adaptation needs and options
- 15 Adaptation planning and implementation
- 16 Adaptation opportunities, constraints, and limits
- 17 Economics of adaptation

## **Multi-Sector Impacts, Risks, Vulnerabilities, and Opportunities**

- 18 Detection and attribution of observed impacts
- 19 Emergent and key risks and vulnerabilities
- 20 Climate-resilient pathways: adaptation, mitigation, and sustainable development

## Opportunities challenges: Adaptation community

- Integration of adaptation, mitigation, and sustainable development
- Effective treatment of equity and justice
- Literature

# Integration of adaptation, mitigation, and sustainable development

- Additionality
- Costing
- Scale
- Time frame

# Equity and justice

- Scenarios
- Scale
- Time frame

# The adaptation literature

- “Whitening” the grey literature
- Generalizing across case studies
  - Capturing practitioner perspectives
  - Expert elicitation
  - Formal and informal approaches