

The background of the slide features a landscape with several white wind turbines on a grassy hill in the foreground. In the distance, a large industrial facility with multiple smokestacks is visible, emitting thick white plumes of smoke into a hazy, blue sky.

ipcc

INTERGOVERNMENTAL PANEL ON climate change



Cross-WG Consultation on UNFCCC Art. 2

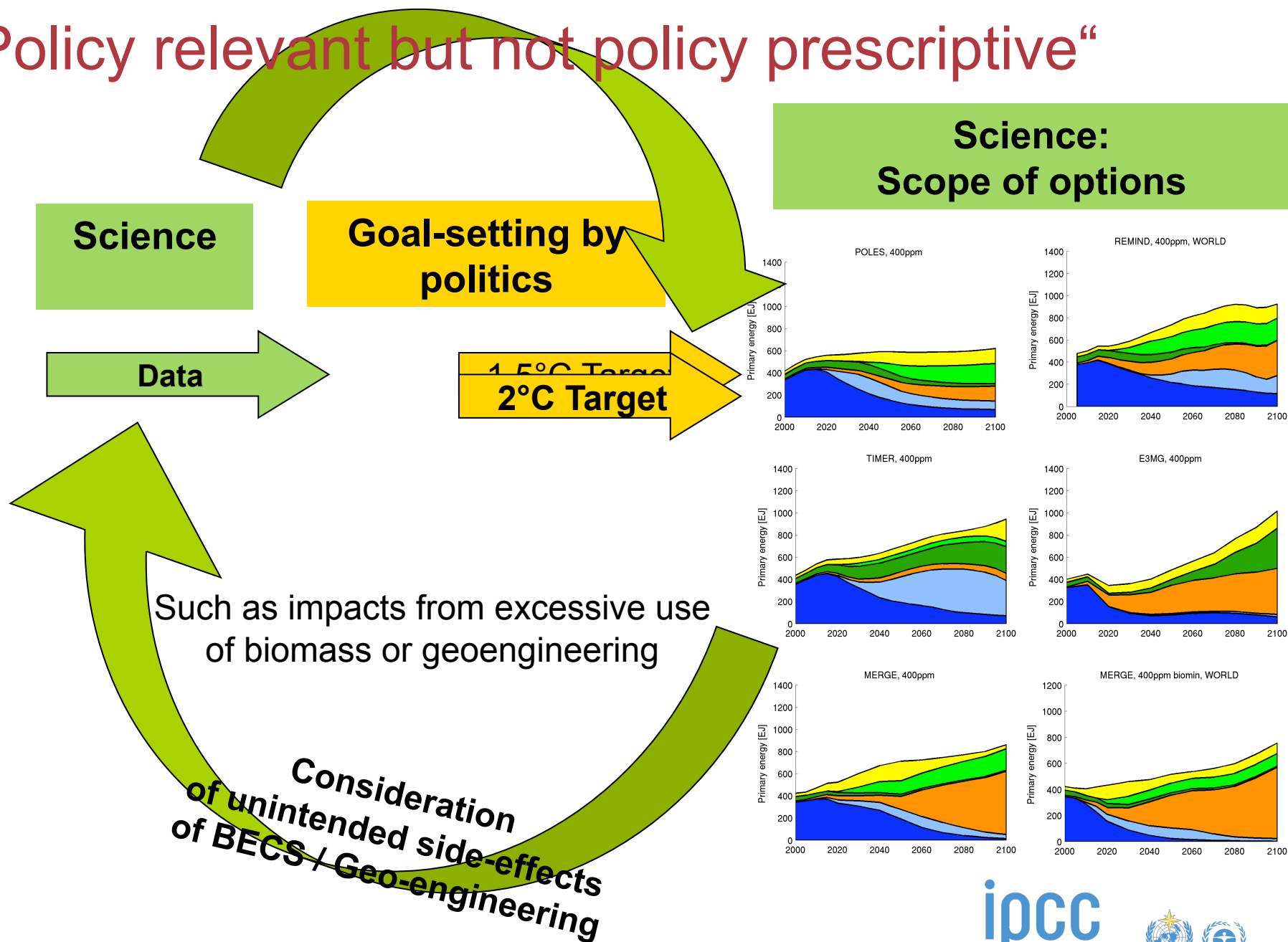
Scoping Meeting for the Synthesis Report (SYR)
25-27 August 2010, Liege, Belgium

Prof. Dr. Ottmar Edenhofer

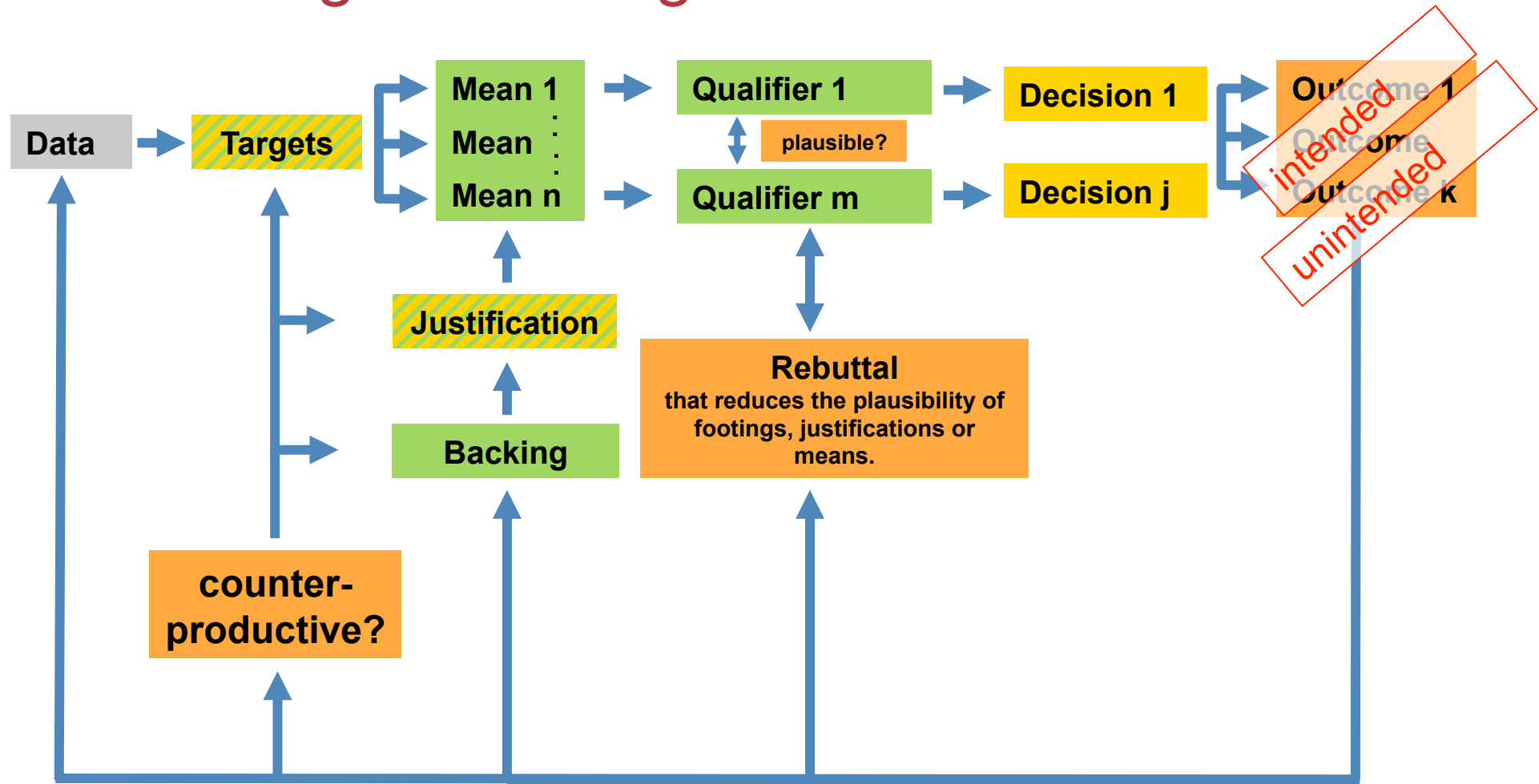
Christoph von Stechow



“Policy relevant but not policy prescriptive”



The Pragmatic-Enlightened Model



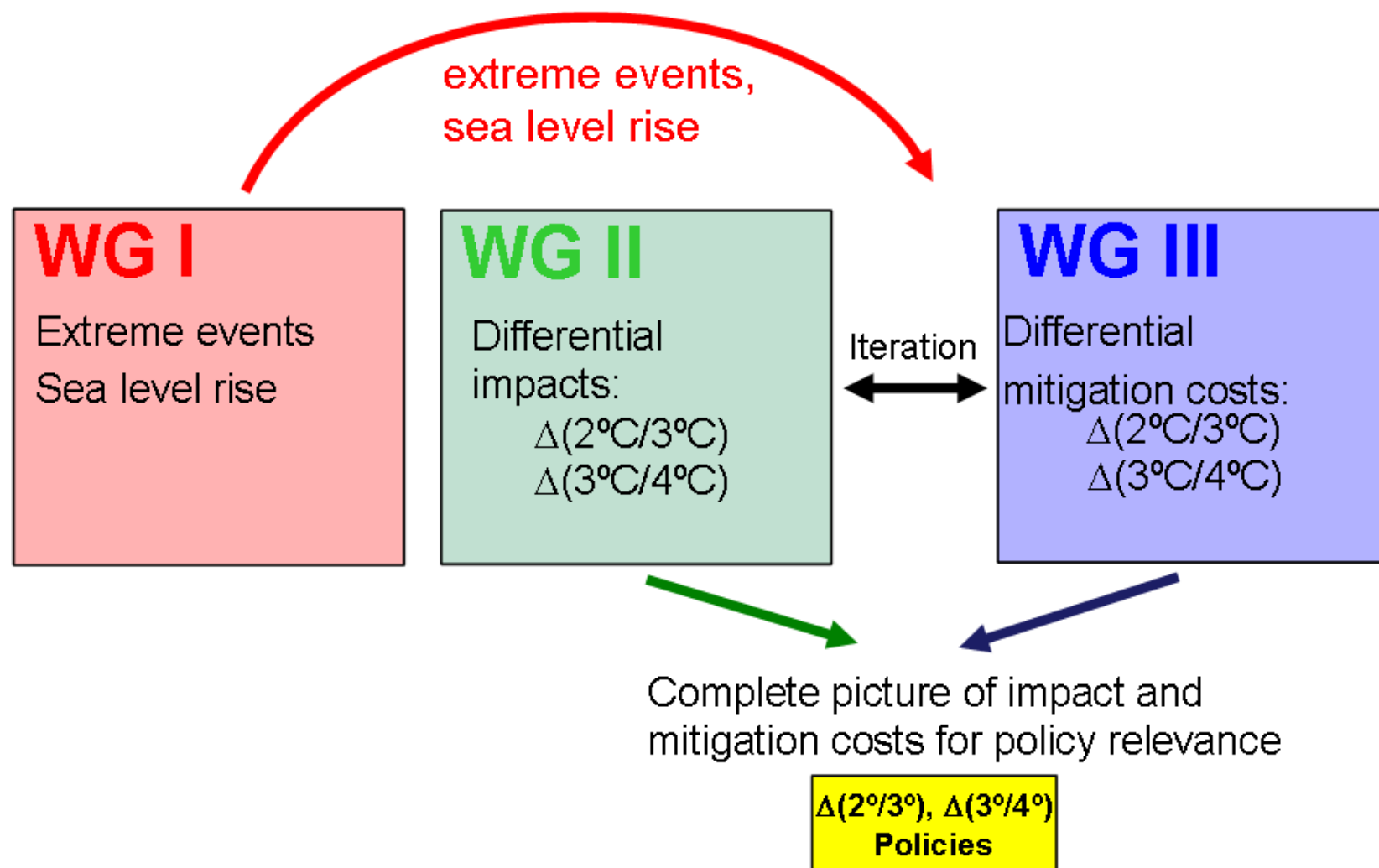
Legend:

Policy Makers

Science

Outcome

Implications for the Scenario Process

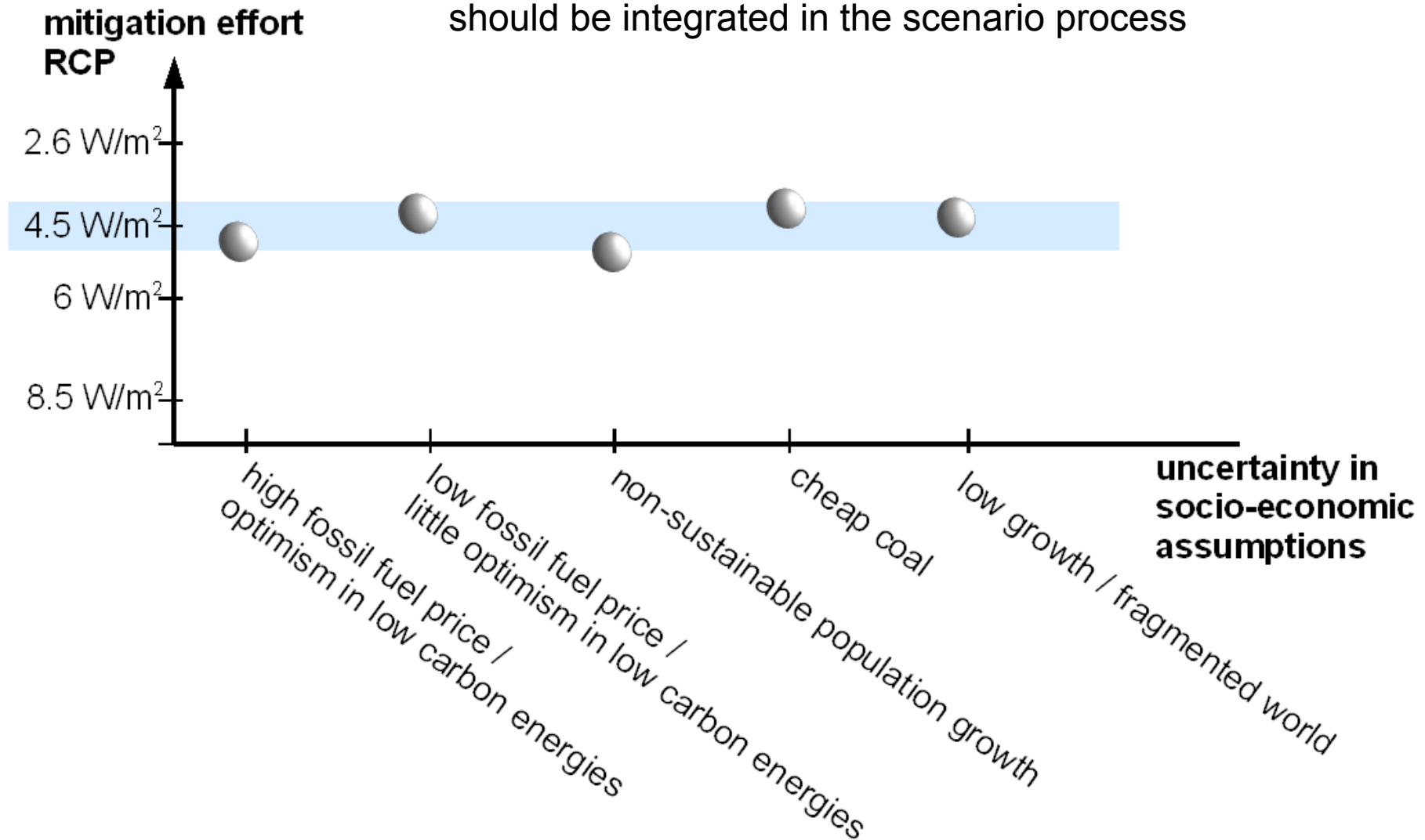


The Research Challenge

- Low Stabilisation Scenarios which identify the technical and institutional requirements
- Exploring the costs, benefits and risks of different mitigation options
- Identifying differential impacts and develop a classification of risks comprising tipping points in the natural environment and also in society.
- Second best: More realistic policy cases through consideration of effects of fragmented carbon markets & technology failures

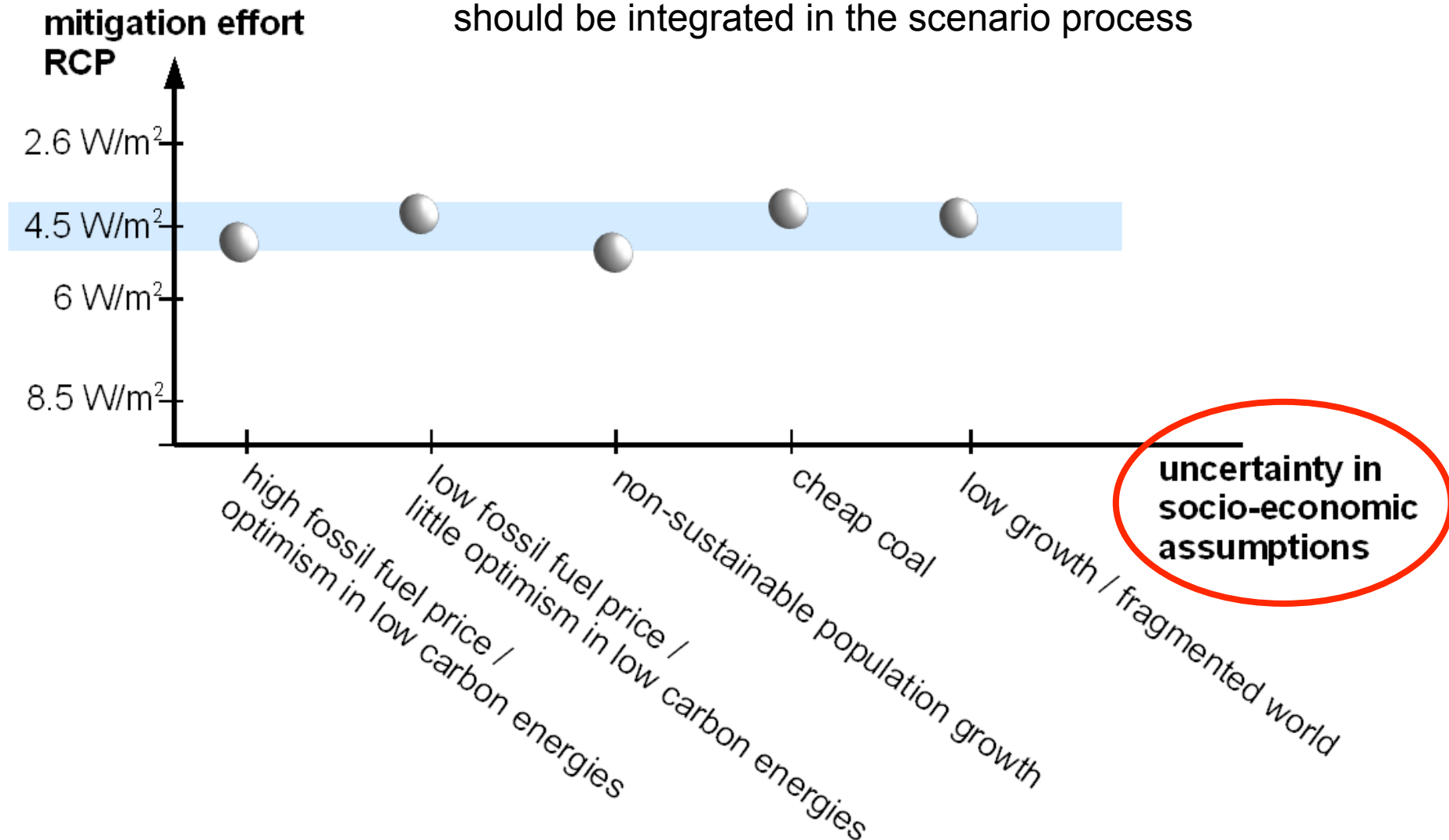
Assess Scenarios in AR5

Idea for the conceptualization of scenarios, which should be integrated in the scenario process



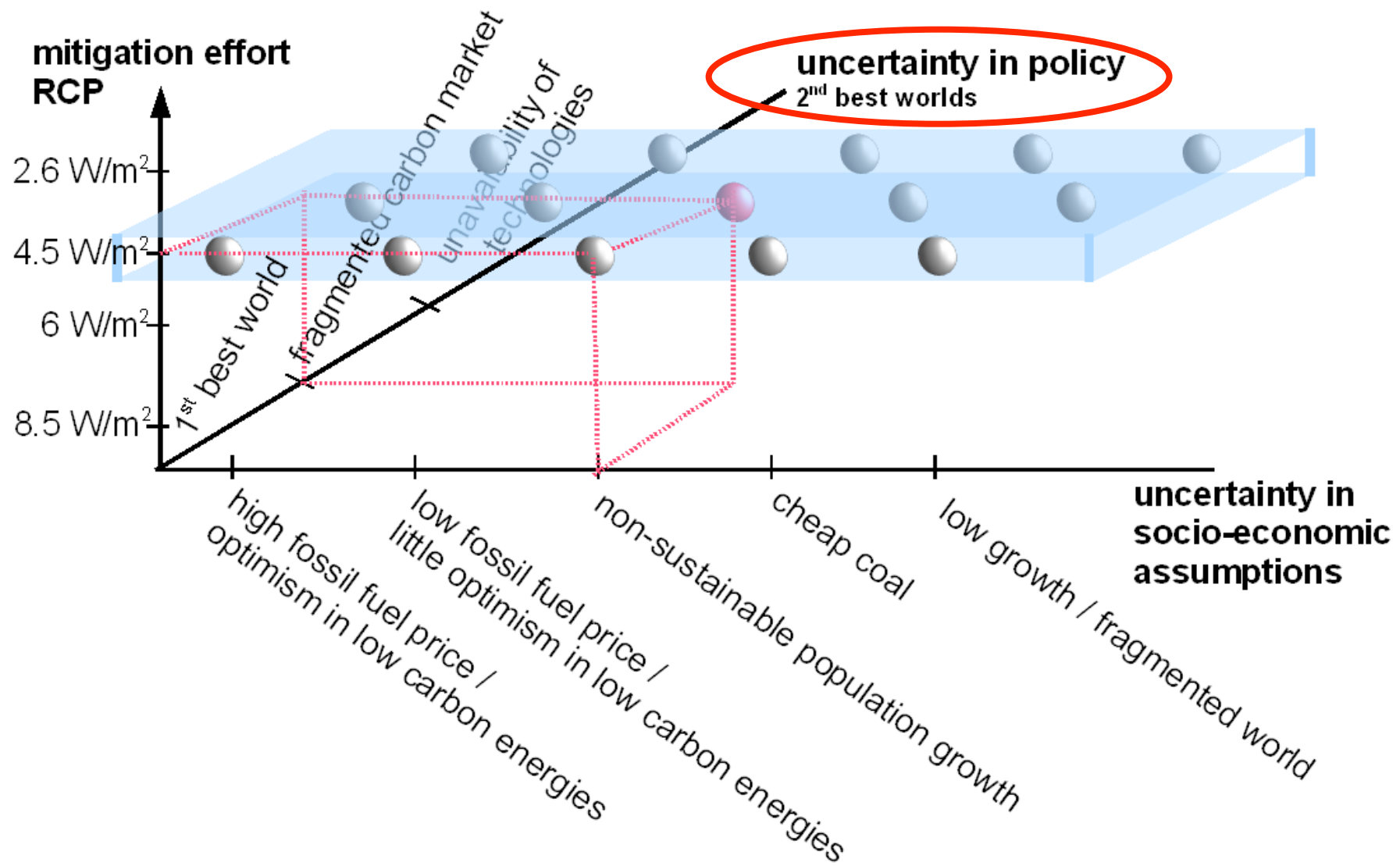
Assess Scenarios in AR5

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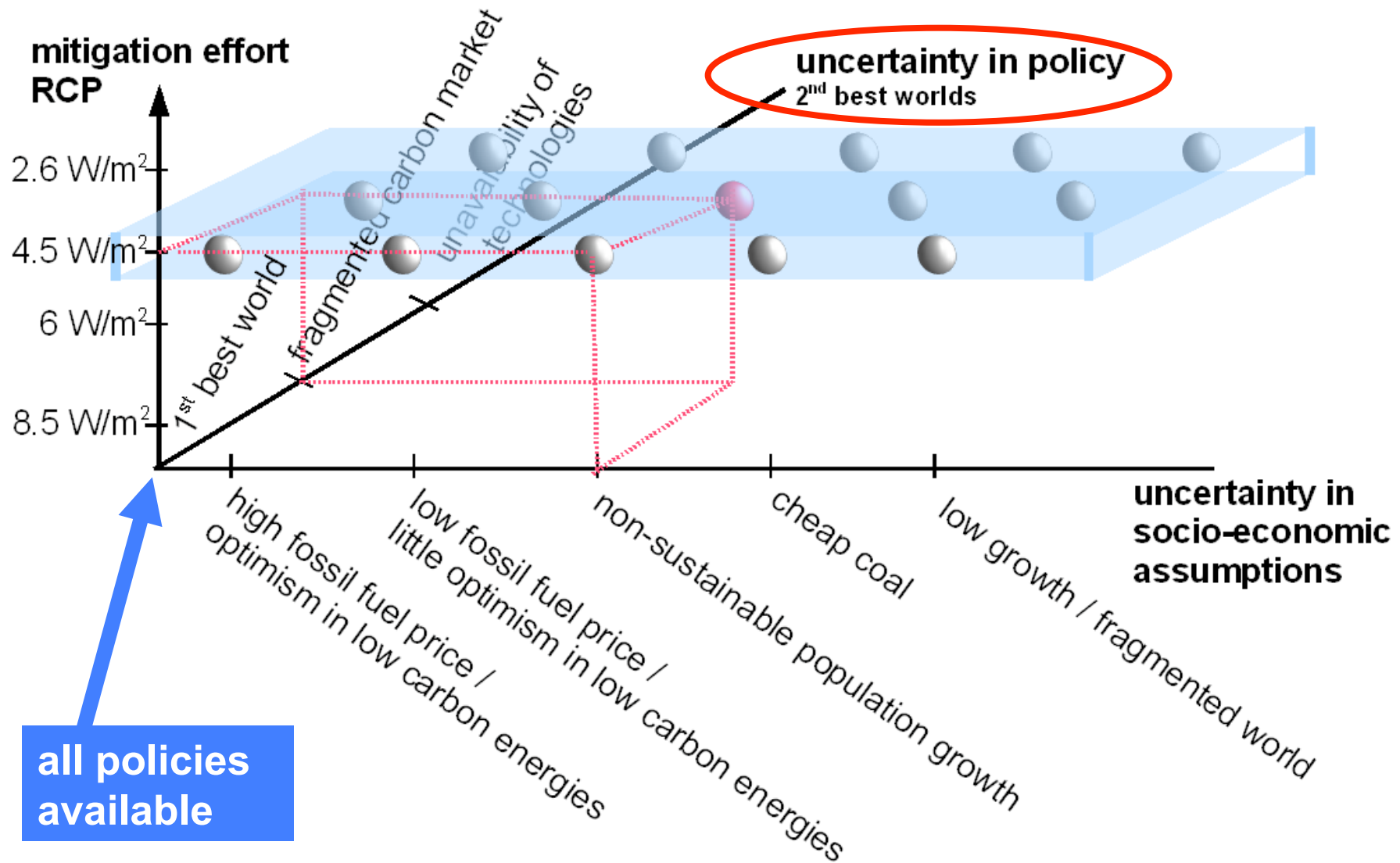


Socio-economic assumptions should be self-consistent

Assess Scenarios in AR5



Assess Scenarios in AR5



The Parts of the WG III AR5 Outline

Part I
Introduction

Part II
Framing Issues

Part III
Pathways for Mitigating Climate Change

Part IV
Assessment of Policies, Institutions and Finance

AR5 WG III Outline

I: Introduction

1. Introductory Chapter

II: Framing Issues

- 2. Integrated Risk and Uncertainty Assessment of Climate Change Response Policies**
- 3. Social, Economic and Ethical Concepts and Methods**
- 4. Sustainable Development and Equity**

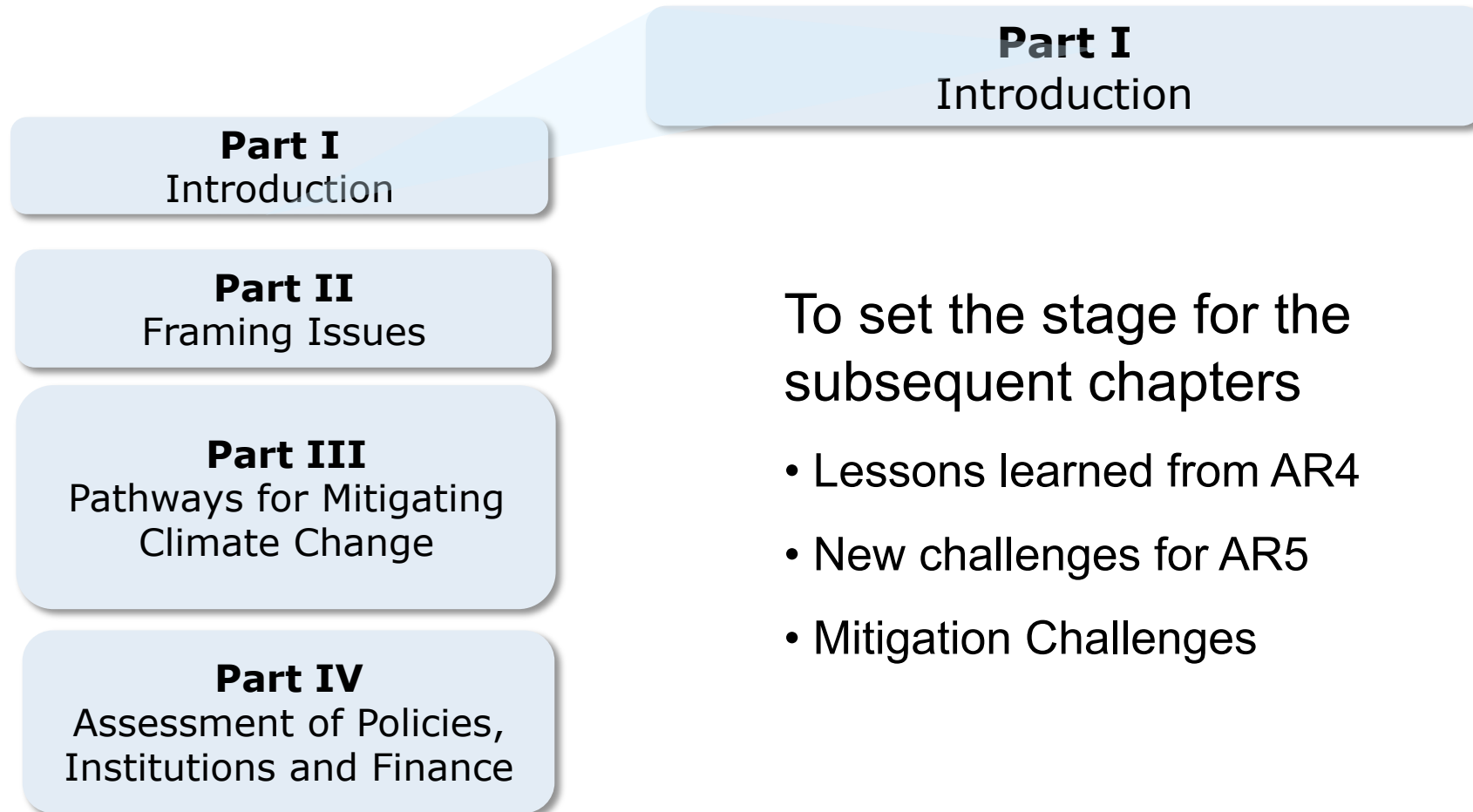
III: Pathways for Mitigating Climate Change

- 5. Drivers, Trends and Mitigation**
- 6. Assessing Transformation Pathways**
- 7. Energy Systems**
- 8. Transport**
- 9. Buildings**
- 10. Industry**
- 11. Agriculture, Forestry and Other Land Use (AFOLU)**
- 12. Human Settlements, Infrastructure and Spatial Planning**

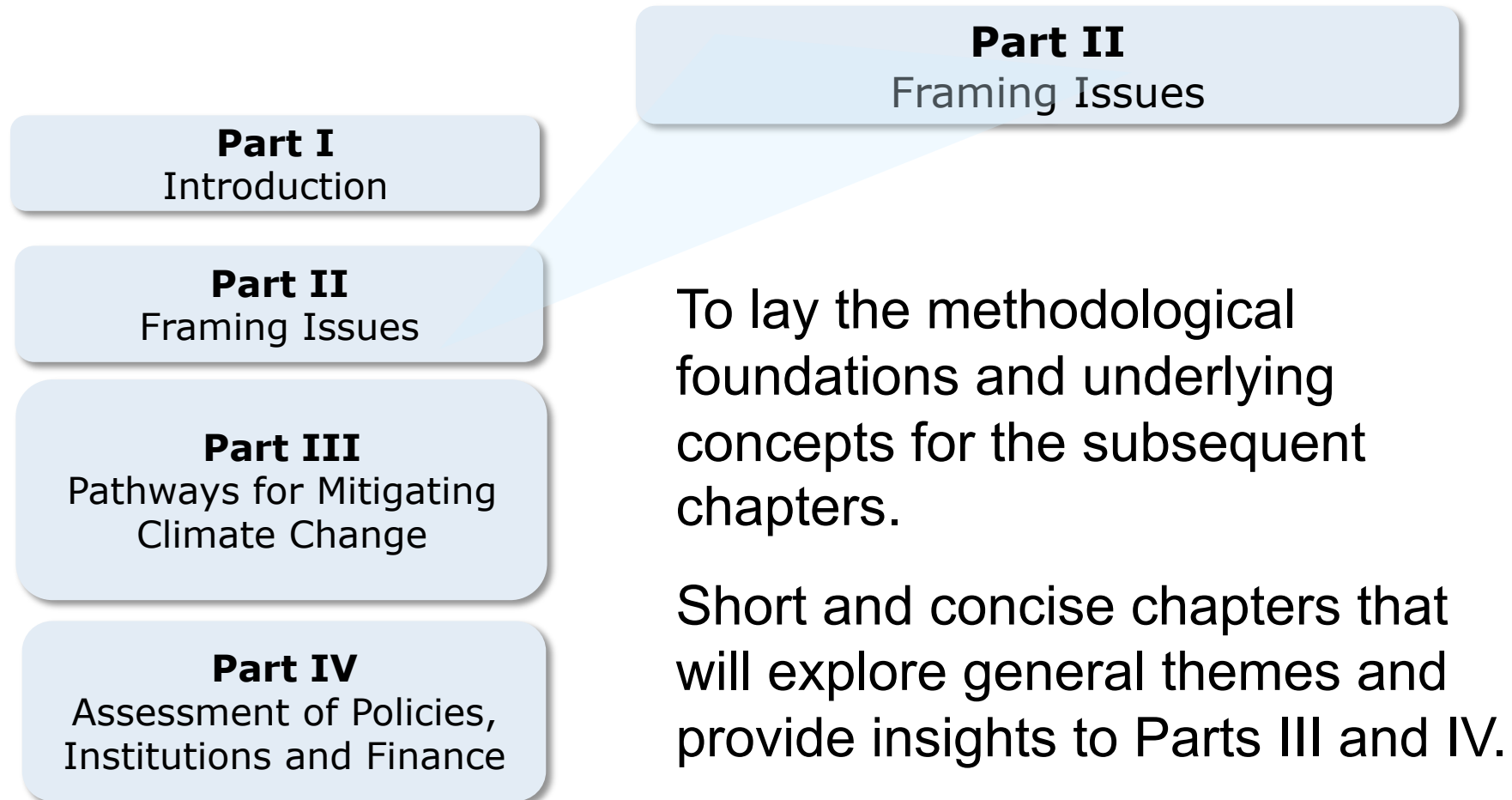
IV: Assessment of Policies, Institutions and Finance

- 13. International Cooperation: Agreements and Instruments**
- 14. Regional Development and Cooperation**
- 15. National and Sub-national Policies and Institutions**
- 16. Cross-cutting Investment and Finance Issues**

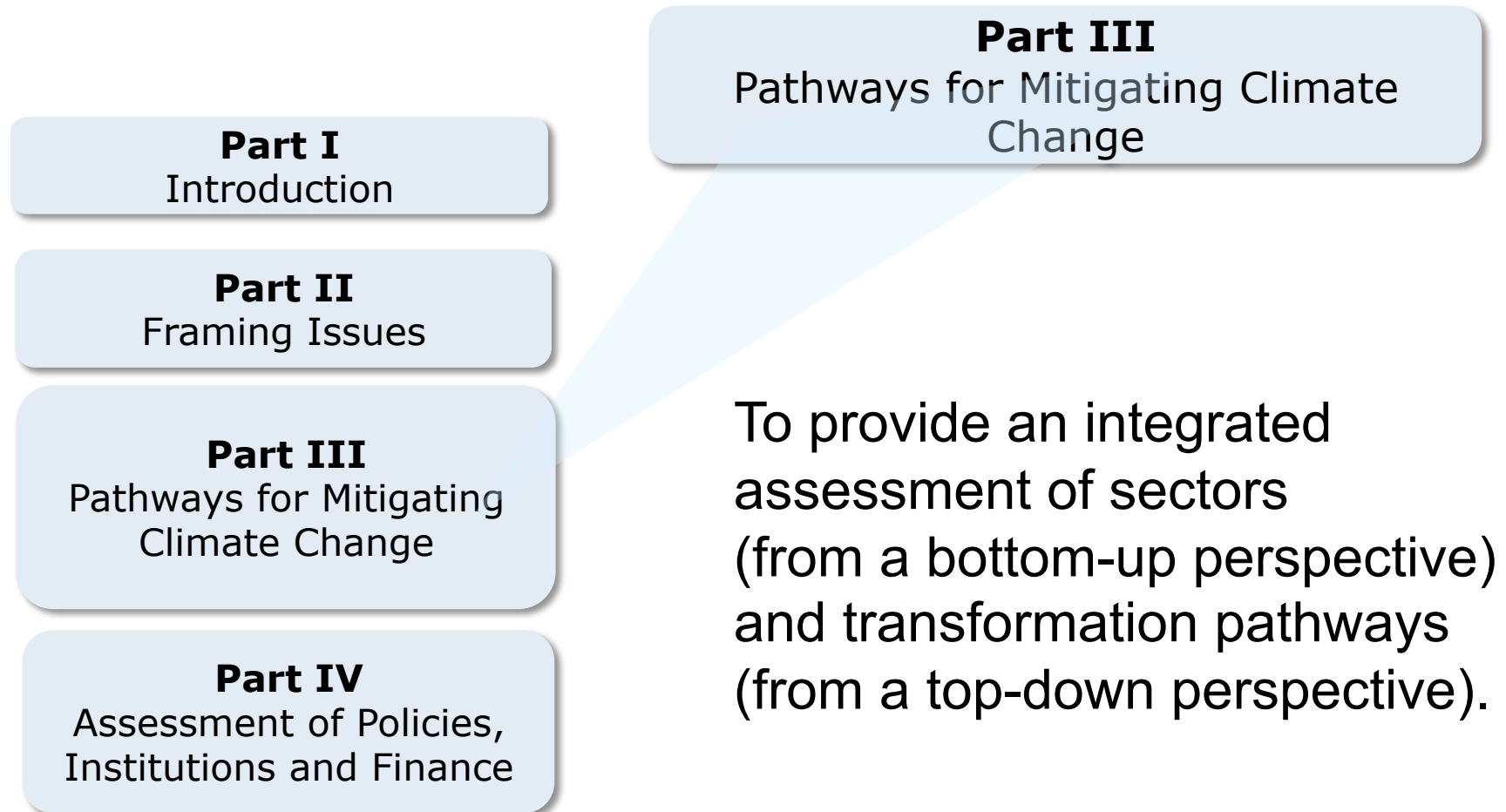
The Philosophy of the WG III AR5 Outline



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The Philosophy of the AR5 WG III Outline

I: Introduction

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Chp 6: Assessing Transformation Pathways

Scenarios are the backbone of consistency between WG II and WG III.

IV: Assessment of Policies, Institutions and Finance

13. International Cooperation: Agreements and Instruments

14. Regional Development and Cooperation

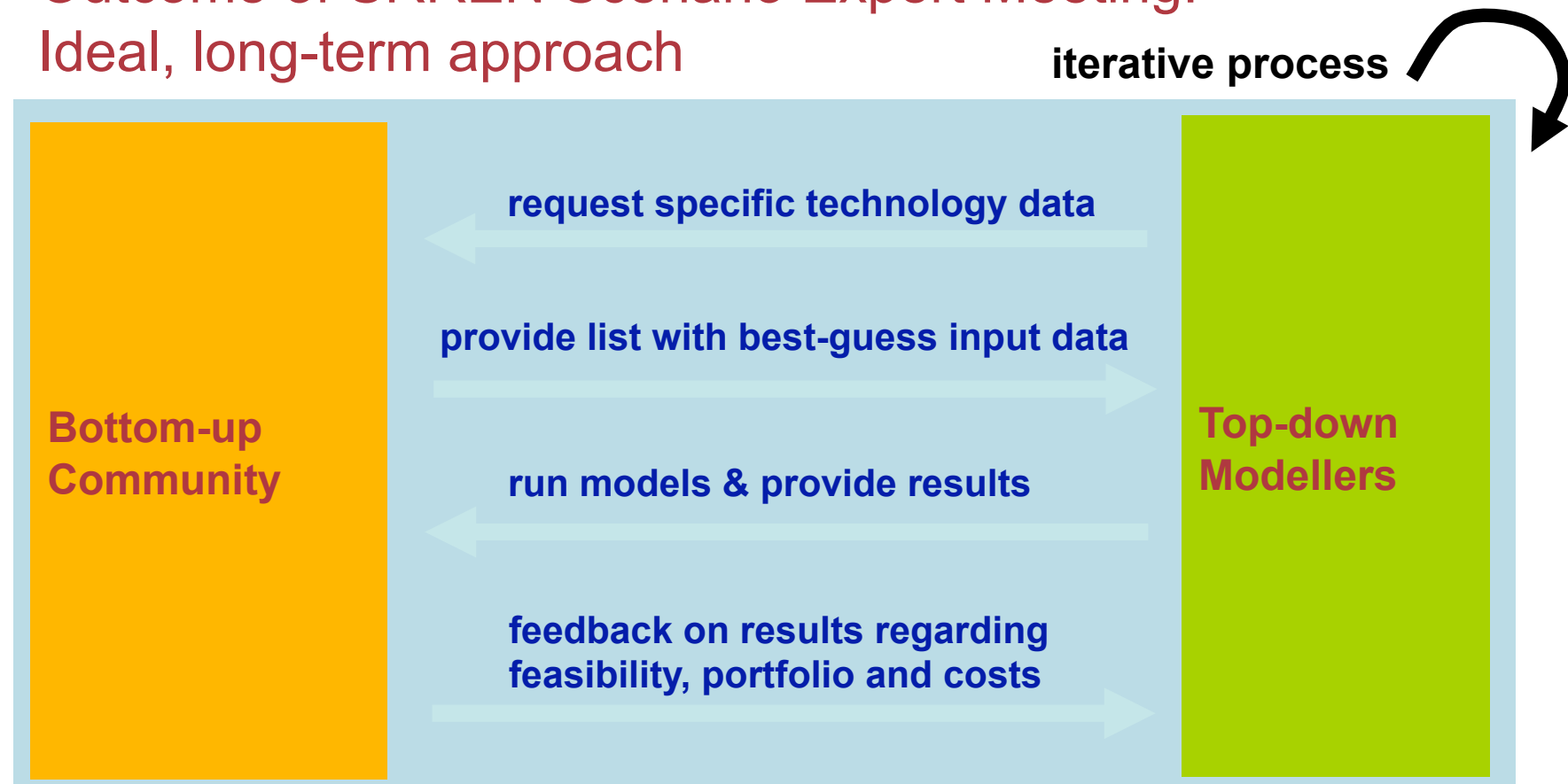
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AR5 Run-up:

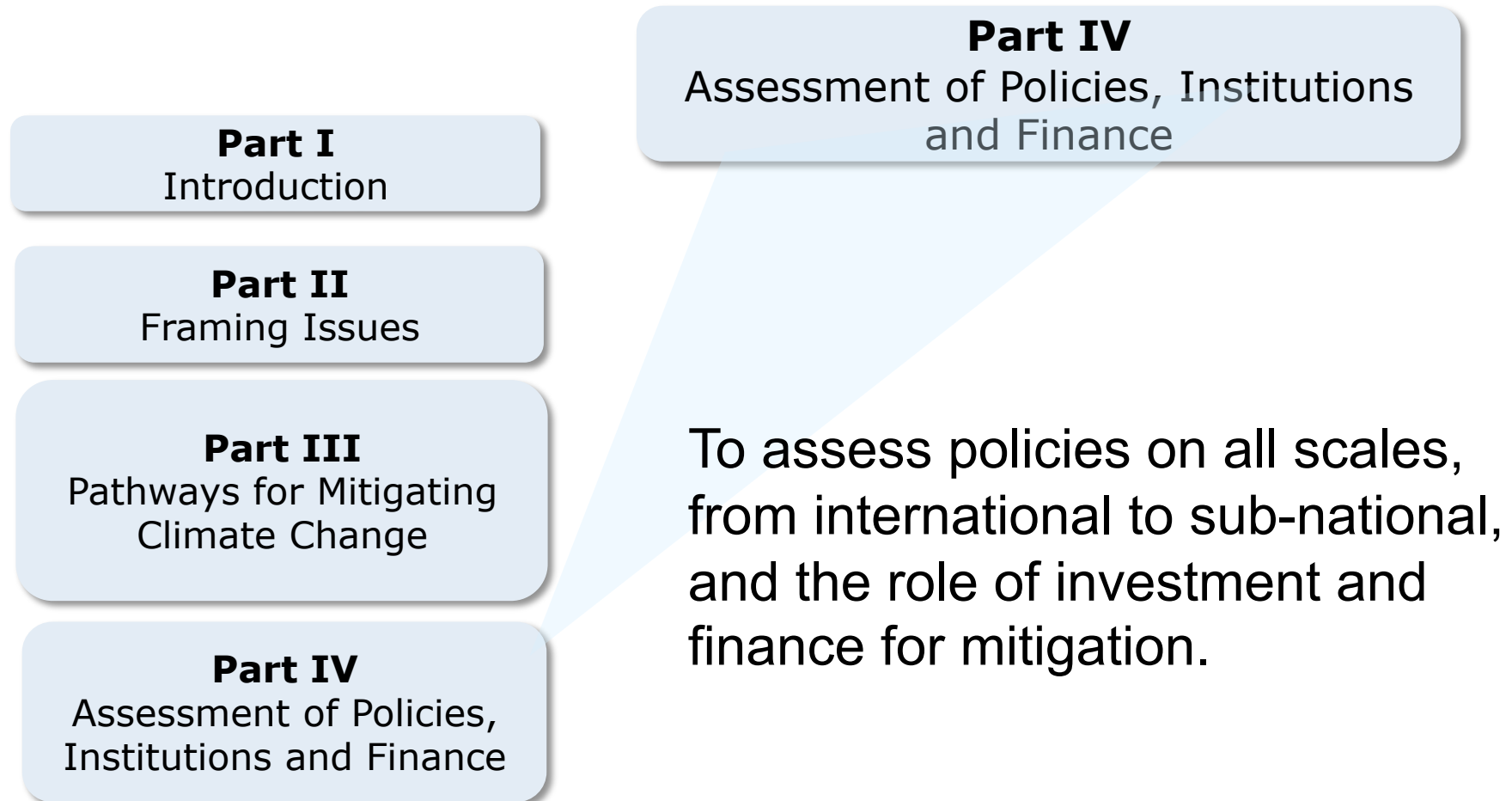
Bottom-up – Top-down Interaction

Outcome of SRREN Scenario Expert Meeting:
Ideal, long-term approach

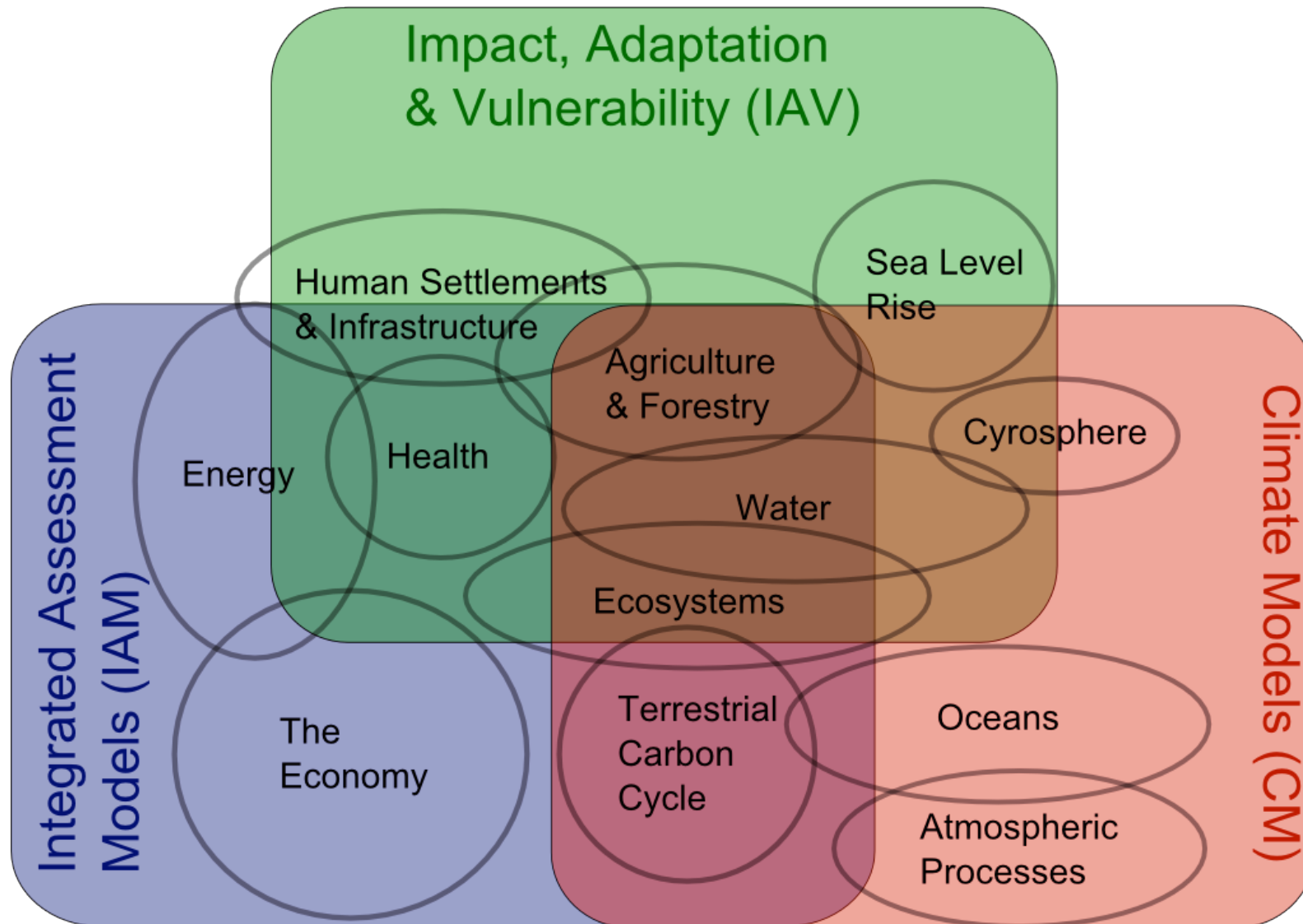


Goal: More realistic representation of policy space.

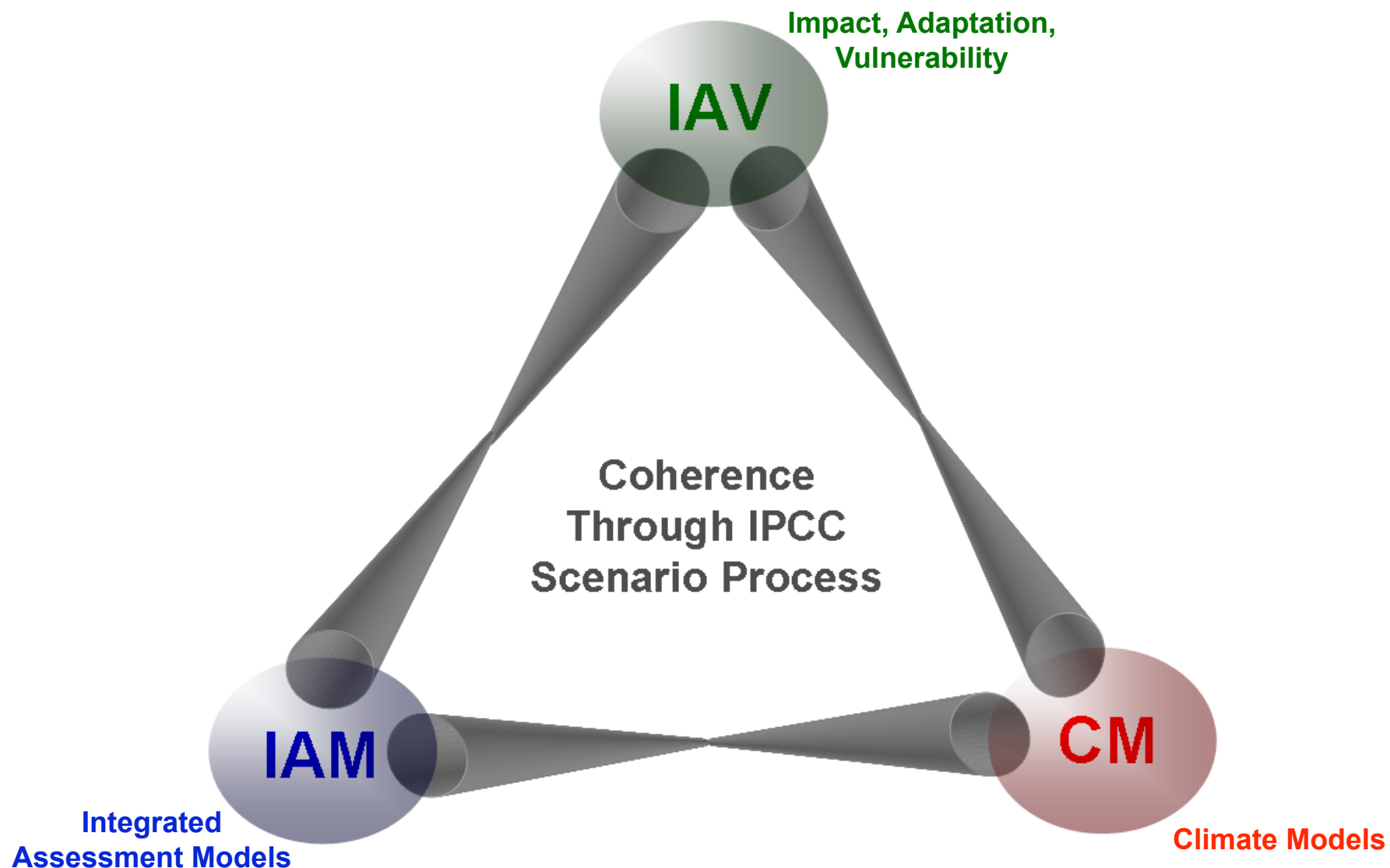
The Philosophy of the WG III AR5 Outline



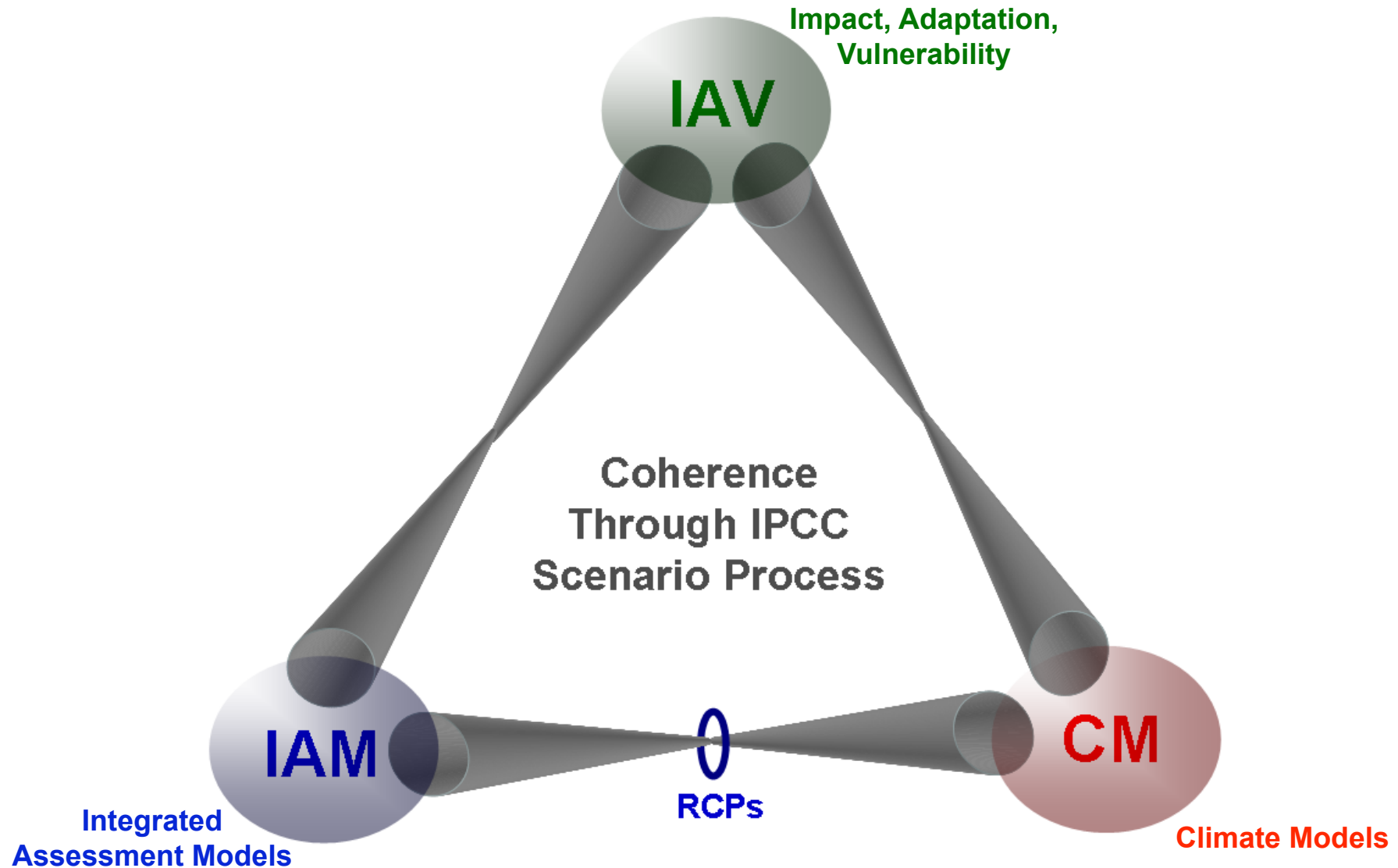
Assessment Communities



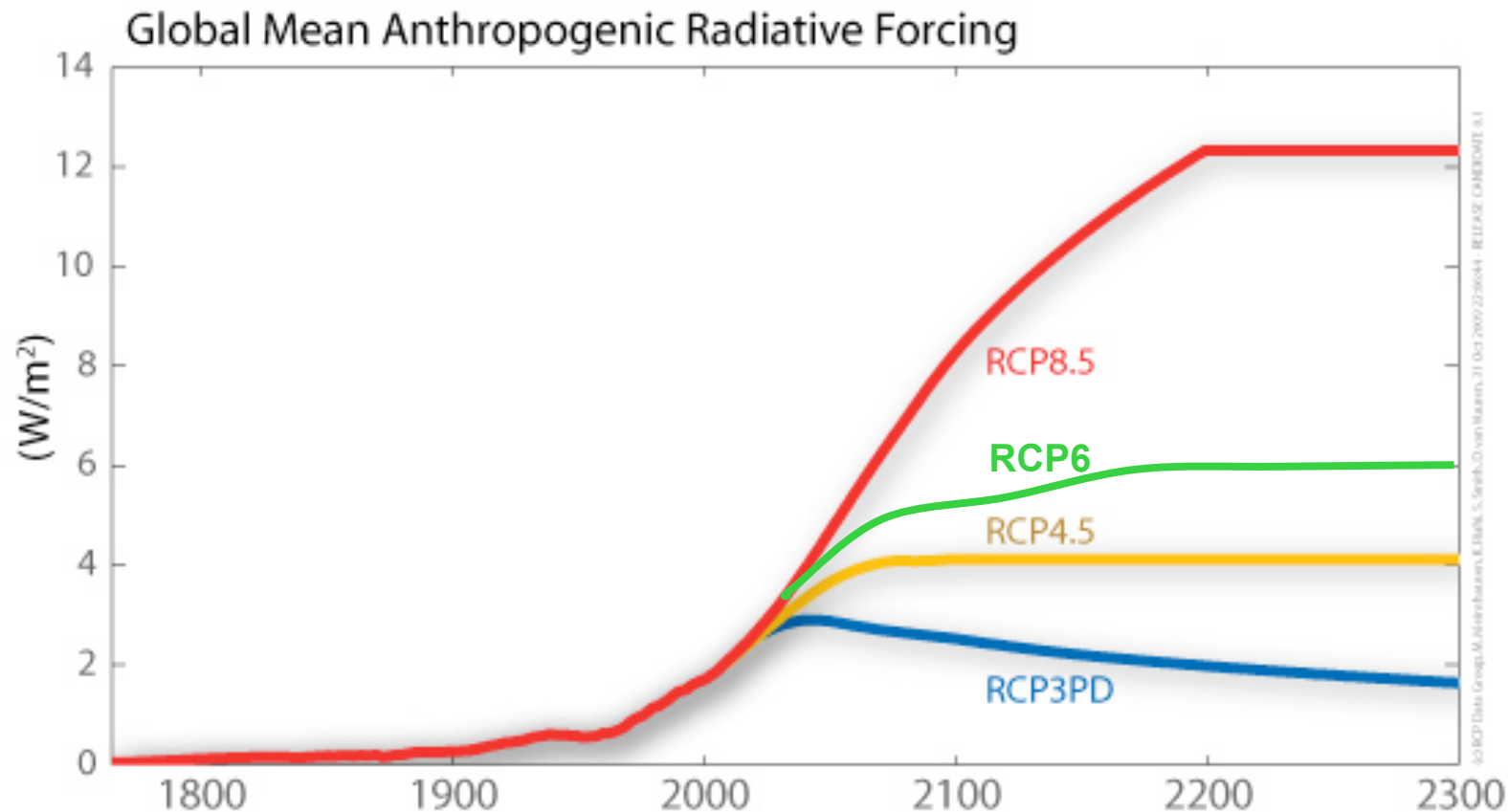
IPCC Scenario Process



IPCC Scenario Process



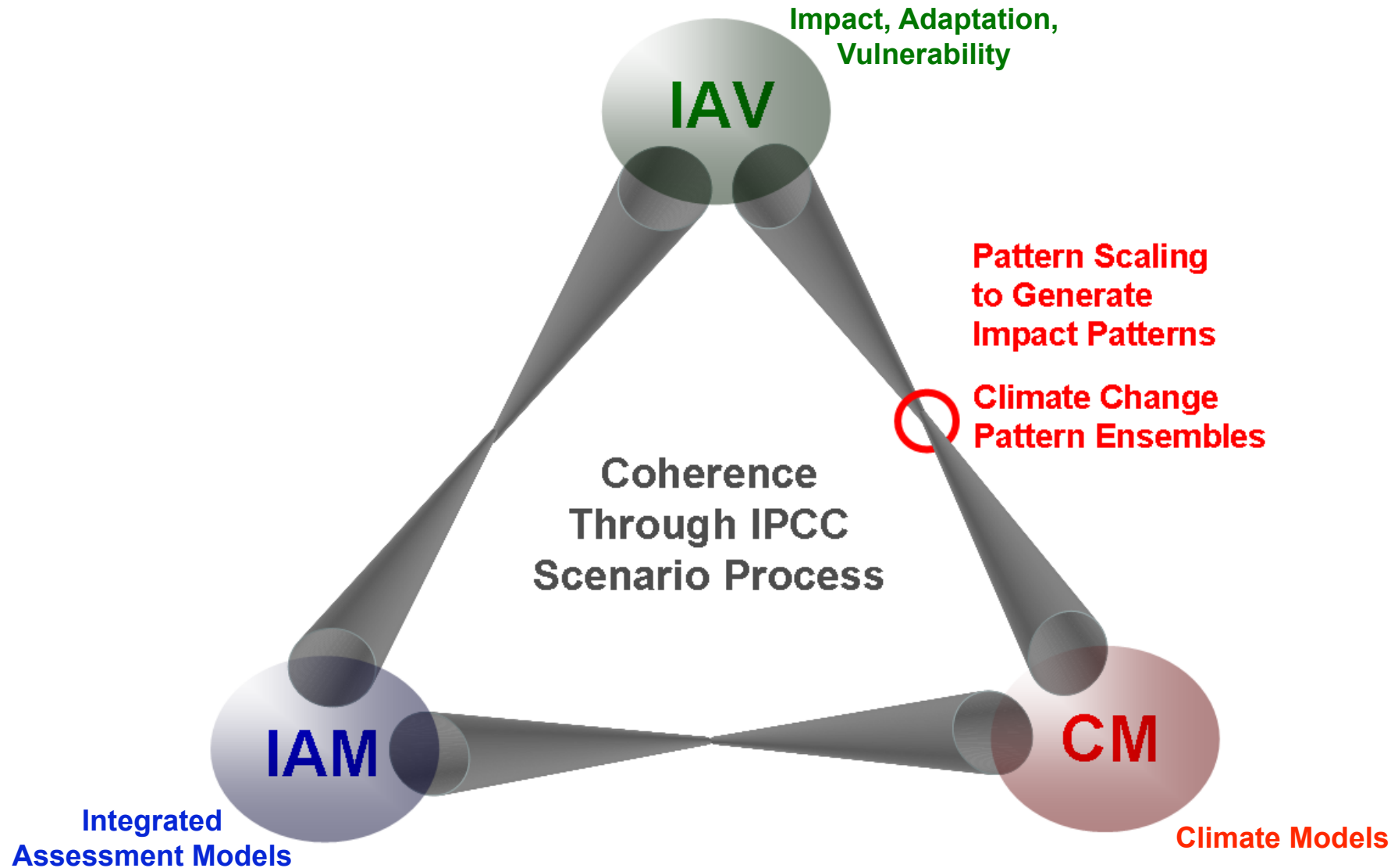
Representative Concentration Pathways (RCPs)



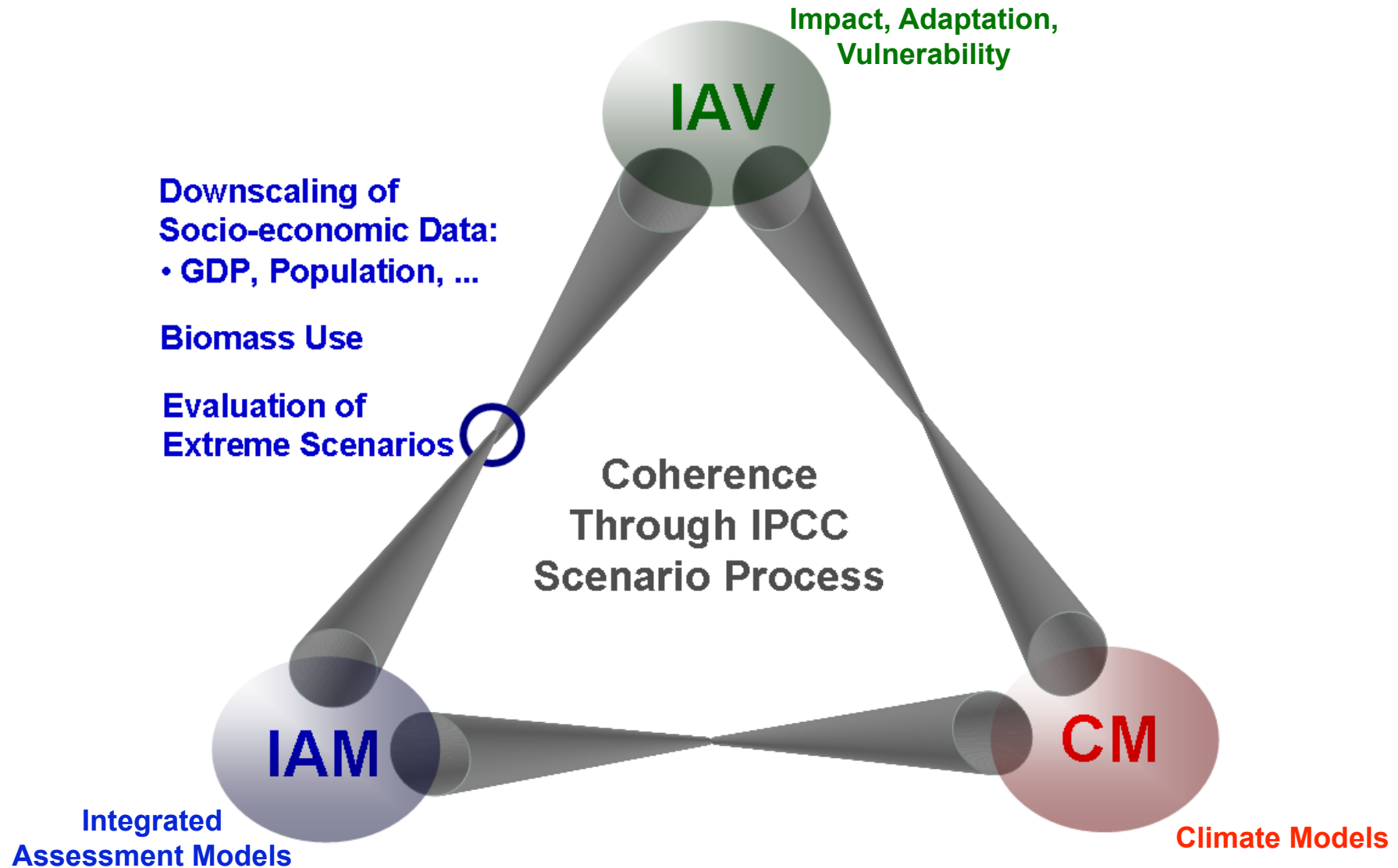
All Data available at

<http://www.pik-potsdam.de/~mmalte/rcps/>

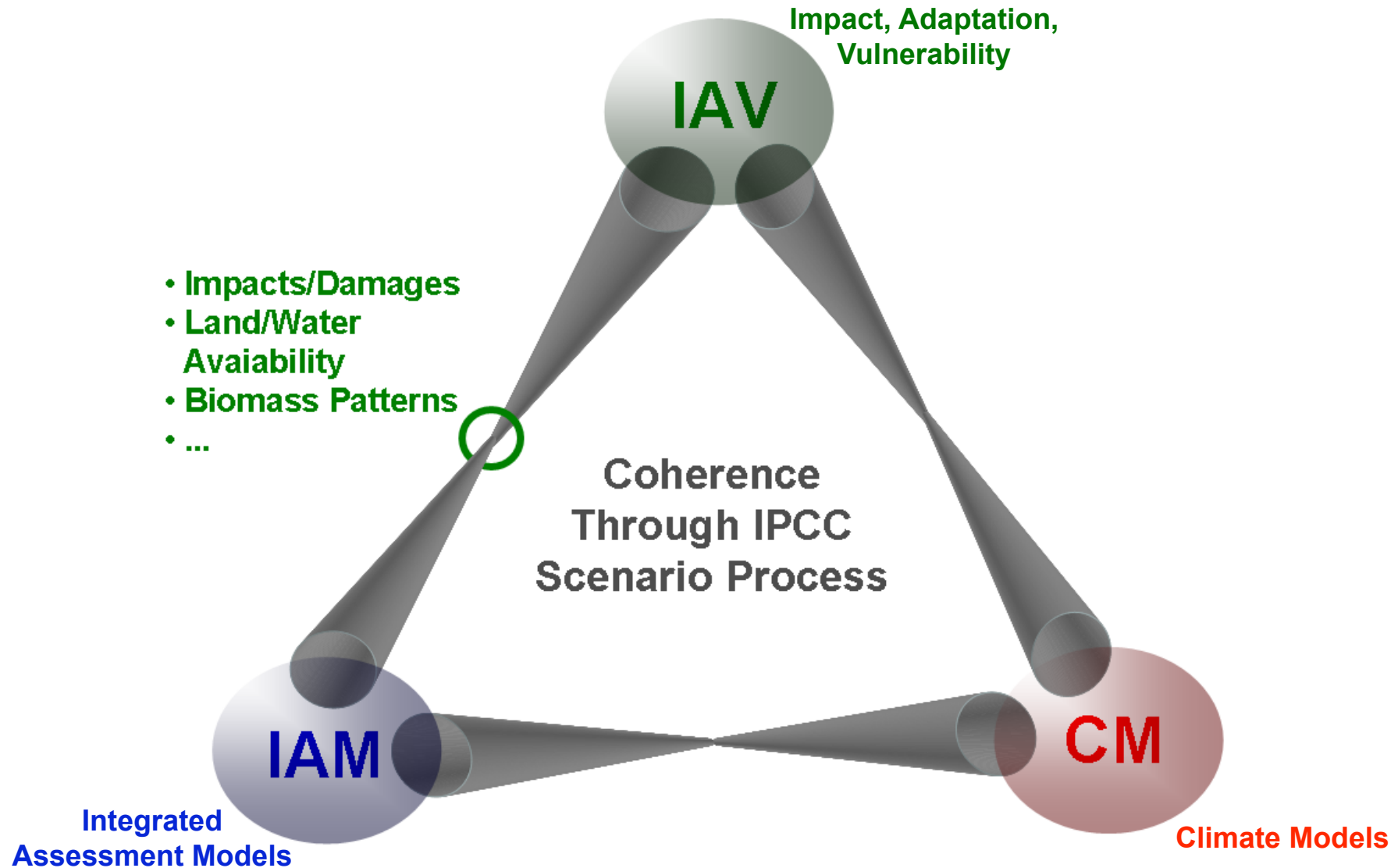
IPCC Scenario Process



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Final Remark

The IPCC is the honest broker between experts and decision makers in business, politics and civil society.

The IPCC should be policy relevant without being policy prescriptive.