



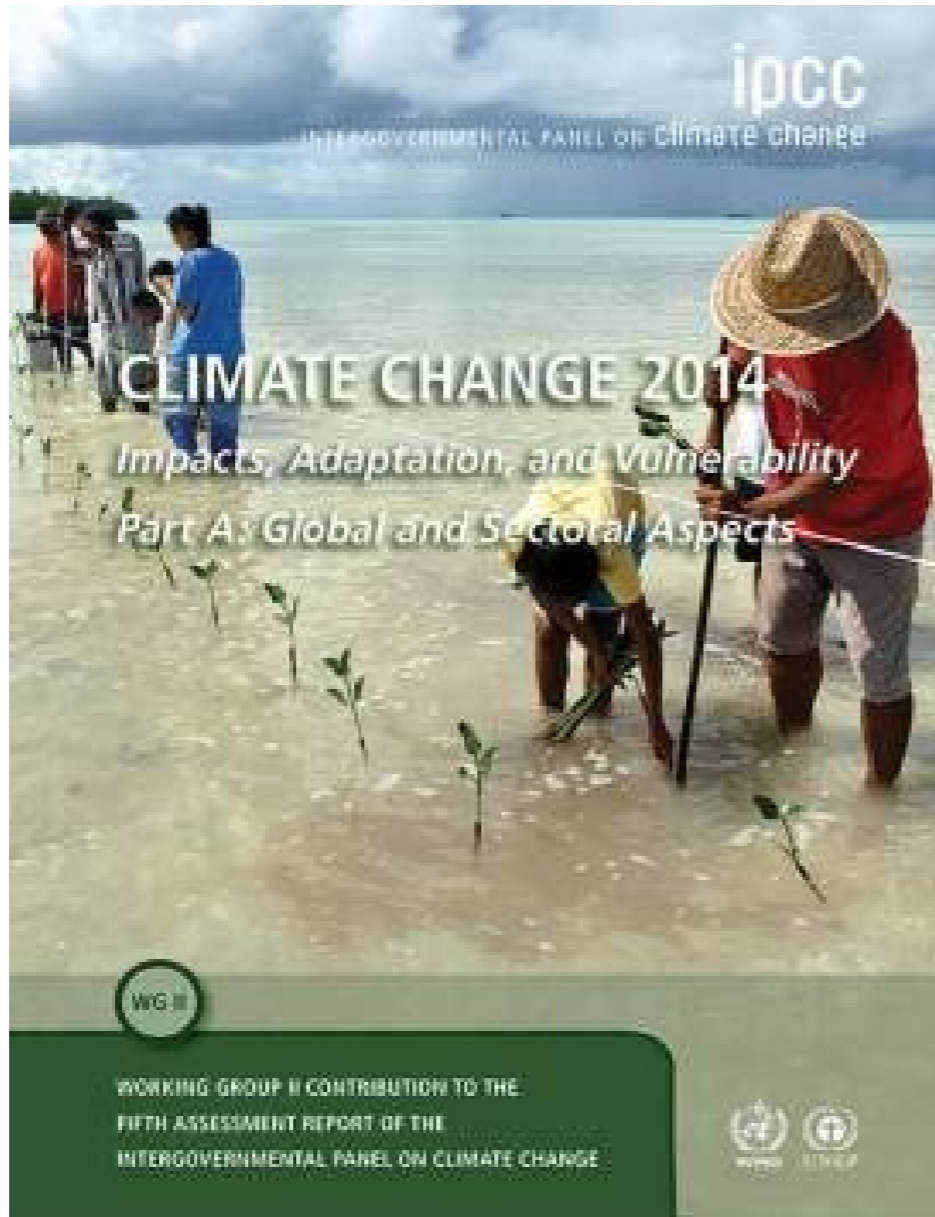
IPCC Working Group 3

Thoughts and reflections for potential authors

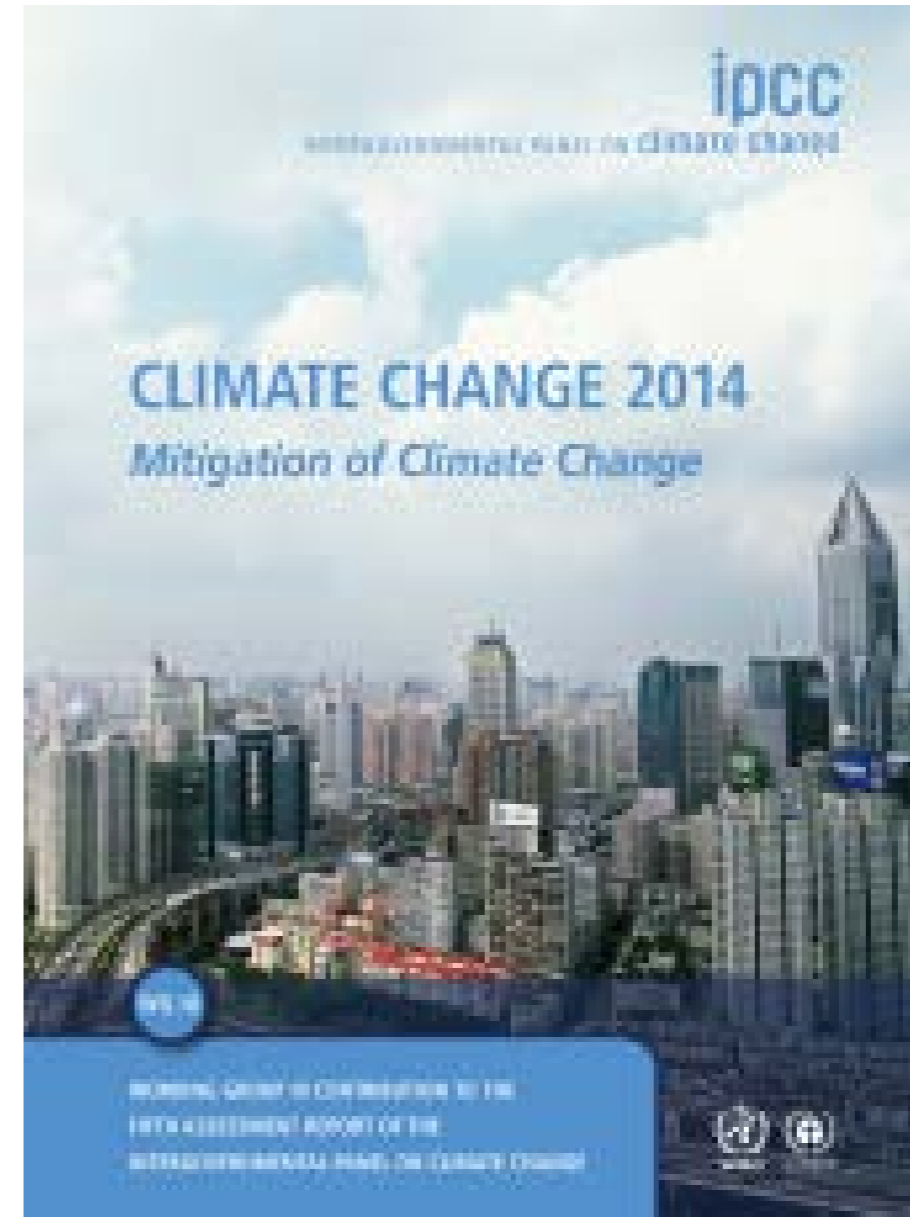
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Review Editor
Chapter on Adaptation
Needs and Options



Lead Author
Chapter on Risk and
Uncertainty, and eventually
on Technical Summary and
Summary for Policy Makers

AR5

Framing

Introduction

Risk and Uncertainty Dimensions

Sustainable Development Dimensions

Ethical Dimensions

Emissions: Top down

Emission Trends and Drivers

Future Emissions Scenarios

Emissions: Bottom up

Energy Systems

Transportation

Buildings

Industry

Agriculture, Land Use, and Forestry

Settlements and Infrastructure

Policy

Global

Regional

National

Cross-cutting finance issues

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AR6

Introduction and Framing

- Emission Trends and Drivers
- Long-term Mitigation Scenarios
- Near- to mid-term Actions
- Demand and behavioural change

- Energy systems
- Agriculture, Forestry, and Land-use
- Urban systems and settlements
- Buildings
- Transport
- Industry
- Cross-sectoral linkages

- National and sub-national policies & institutions
- International cooperation
- Investment and finance
- Innovation and technology transfer

Conclusion: accelerating the transition

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AR5

Broad agreement
on single framing

AR6

Disagreement
as to framing

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Disagreement
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- We have seen significant policies in the separate sectors and at the national level, including in developing countries.
- Costs of key technologies have fallen dramatically, and the challenges to their diffusion now appear to be structural and sectoral specific, rather than economic.
- The Paris Agreement has moved the locus of decision-making from the global to the national level. It is primarily a support and coordination instrument.
- The big question is not how we can get marginal emission reductions to take place, but how we can accelerate change, and sustain change all the way to a zero carbon society.

AR5 Broad agreement on single framing

- Framing chapters to relate the economic discourse to other features of the climate problem.



AR6 Disagreement as to framing

- Framing chapters largely dropped, but a new chapter looking at behaviour and societal change.

AR5 Broad agreement on single framing

- Framing chapters to relate the economic discourse to other features of the climate problem.
- Cost optimal global emissions scenarios; focus on relative costs with or without key technologies (e.g. CCS), early versus delayed action, or global participation.



AR6 Disagreement as to framing

- Framing chapters largely dropped, but a new chapter looking at behaviour and societal change.
- Separation between cost optimal long-term scenarios, and the near-to mid-term enabling actions; attention to the dynamics of technological transitions.

AR5 Broad agreement on single framing

- Framing chapters to relate the economic discourse to other features of the climate problem.
- Cost optimal global emissions scenarios.
- In the sectoral chapters, a focus on mitigation cost-curves (i.e. how emissions could respond to a global carbon price). No consideration of how to get the sector to work in a zero carbon society. Little consideration of sectoral-specific policies.

AR6 Disagreement as to framing

- Framing chapters largely dropped, but a new chapter looking at behaviour and societal change.
- Separation between long-term and the near- to mid-term scenarios.
- In the sectoral chapters, consideration of the sectoral-specific challenges of moving towards a zero carbon society. Explicit consideration of sectoral specific policies.



AR5 Broad agreement on single framing

- Framing chapters to relate the economic discourse to other features of the climate problem.
- Cost optimal global emissions scenarios.
- Sectoral chapters focus on mitigation cost curves.
- Policies treated as being cross-sectoral, ordered top-down (global, regional, national). Oriented towards challenges of gaining agreement on need for carbon price, and implementing this at the national scale.



AR6 Disagreement as to framing

- Framing chapters largely dropped, but a new chapter looking at behaviour and societal change.
- Separation between long-term and the near- to mid-term scenarios.
- Sectoral chapter focus on challenges and policies.
- Reverse order of scale (national then international). Each chapter focuses on a different set of cross-sectoral challenges. (national institutions, cooperation, innovation, finance).

AR5 Broad agreement on single framing

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- Cost optimal global emissions scenarios.
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- Policies treated as being cross-sectoral, ordered top-down.

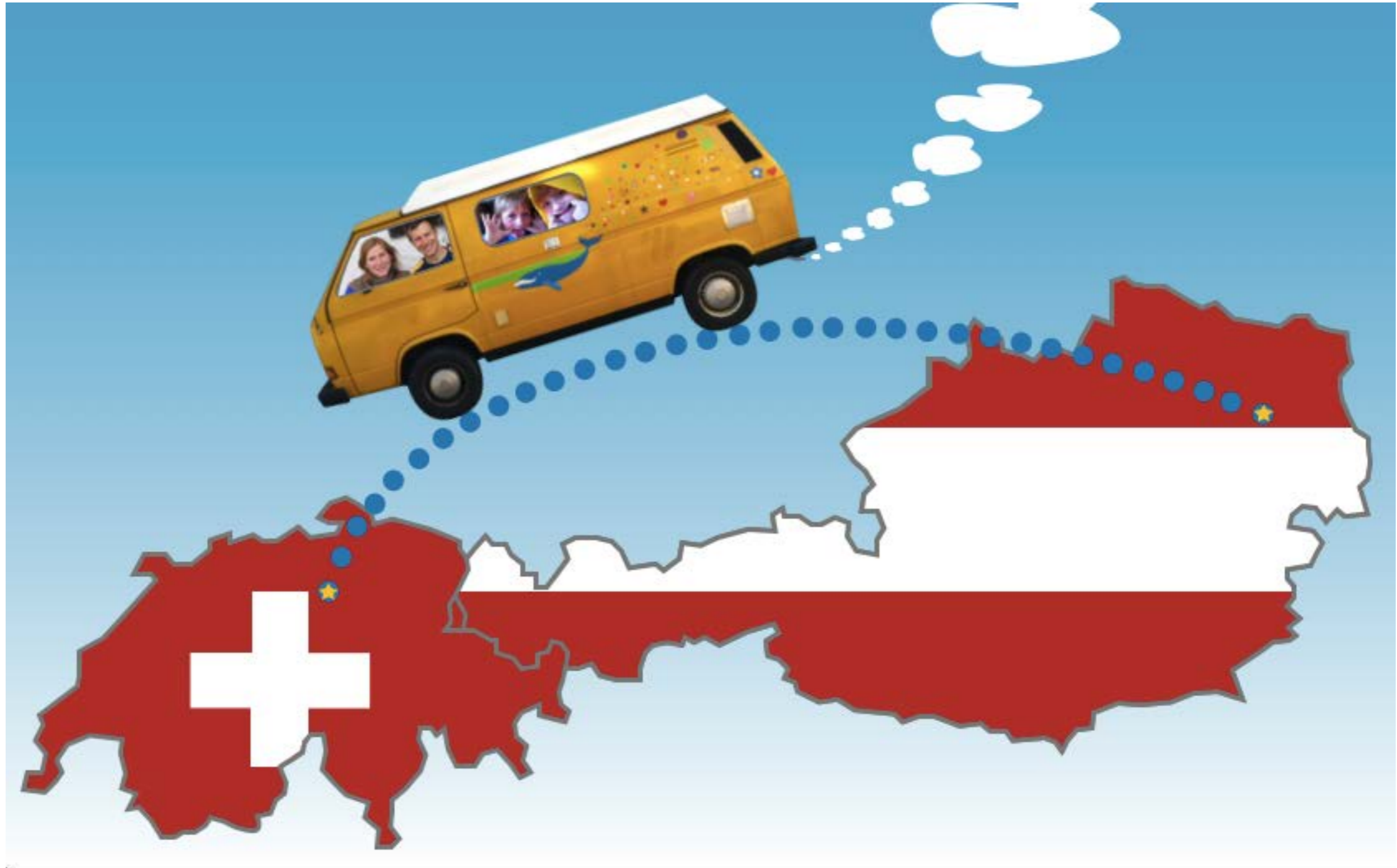
AR6 Disagreement as to framing

- Framing chapters largely dropped, but a new chapter looking at behaviour and societal change.
- Separation between long-term and the near- to mid-term scenarios.
- Sectoral chapter focus on challenges and policies.
- Attention to specific cross-sectoral challenges at different scales.
- Final chapter framing the mitigation challenge as one of accelerating a process already in place.

What does this mean as a potential author?

- If you are an integrated assessment modeller, or an environmental economist, your role in the AR6 will be less than it was in the AR5.
- If you're coming from other social science disciplines (psychology, sociology, political science, human geography), your role in the AR6 will be greater than it was in the AR5.
- The hard questions about how to resolve the inconsistencies between different disciplinary approaches to climate policy have yet to be resolved; maybe this will happen during the writing process.
- Personally, I think this is really quite exciting.

A final word on Austria and Switzerland



A final word on Austria and Switzerland

- The two countries are more or less equally active in the IPCC, but in Austria nearly all of this activity comes from IIASA.
- I was a IIASA scientist, and this was fine for me, but I never really felt part of a national climate science research community
- What I discovered on moving to Switzerland was a very active organization within the Academy of Sciences, *Pro Clim*, creating a national climate research community.
- For 18 years, Pro Clim has organised the “Swiss Global Change Day.” Always at the same Gymnasium in Bern, always a lot of fun.
- It is really exciting to see this event taking place today in Vienna, and I hope that it is the first of many such events in the future.