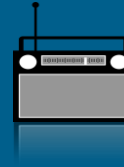




...?...



From Science to Finance: Messages load and clear?

Knut H. Alfsen

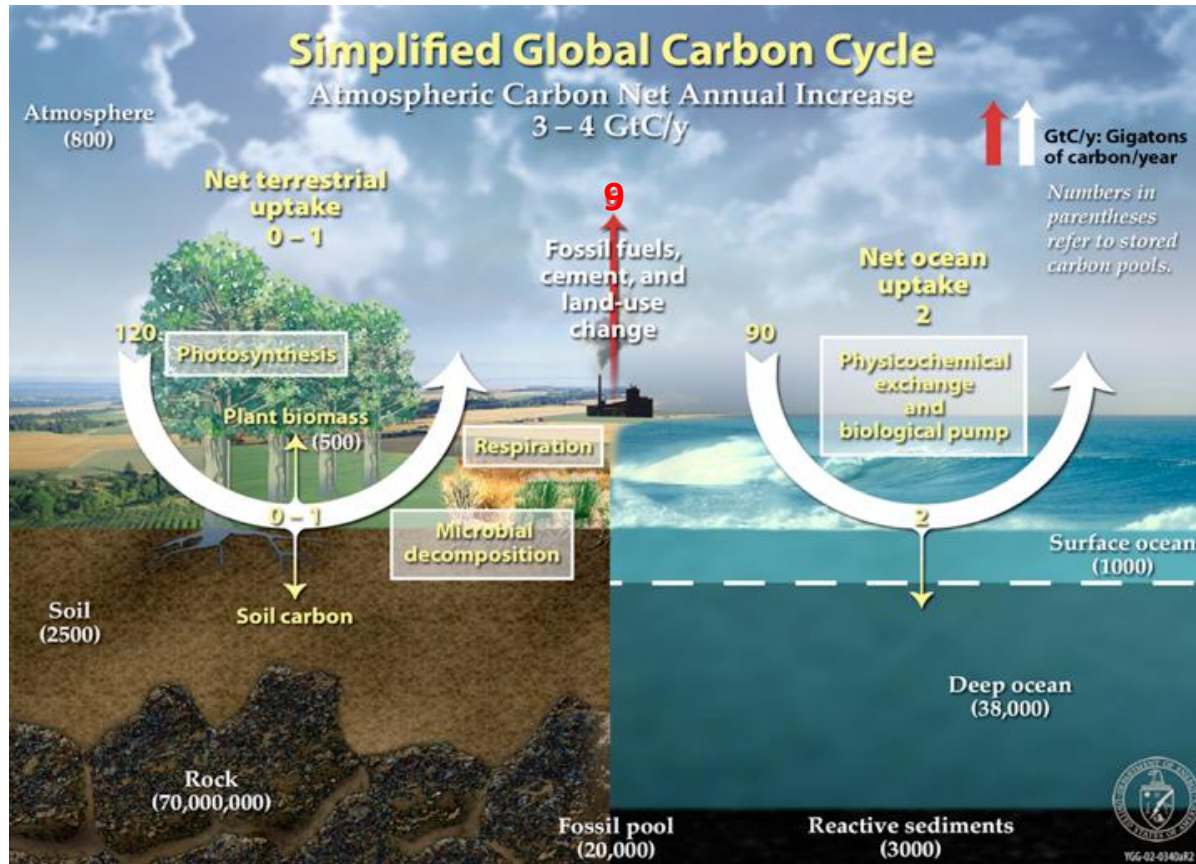
CICERO: Center for International Climate and Environmental
Research - Oslo

7. April 2016

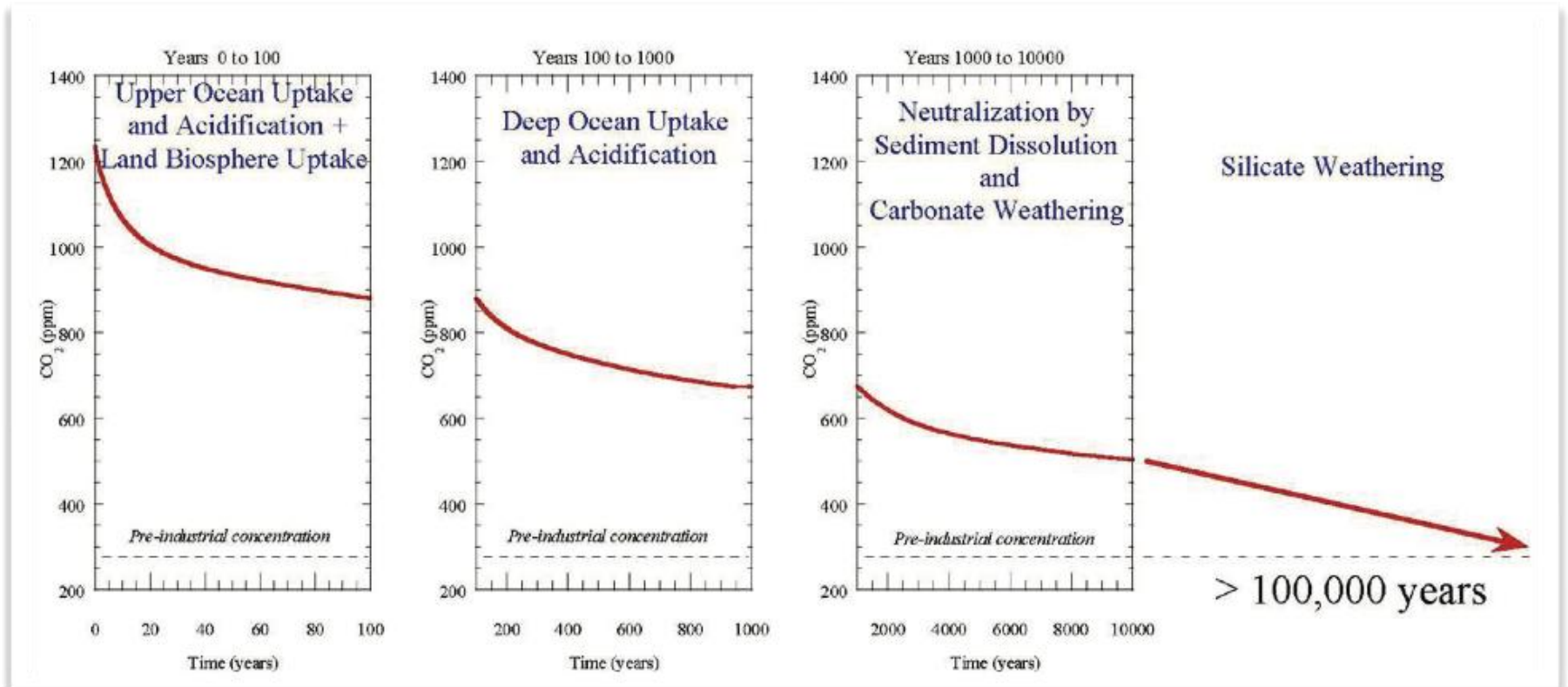
Outline

- 1) Necessary background – climate 101
- 2) CICERO's "Shades of Green" or Green rating
- 3) The need to assess both technologies and management/governance structures
- 4) The values of dialogues between science and finance
- 5) Good/best practices

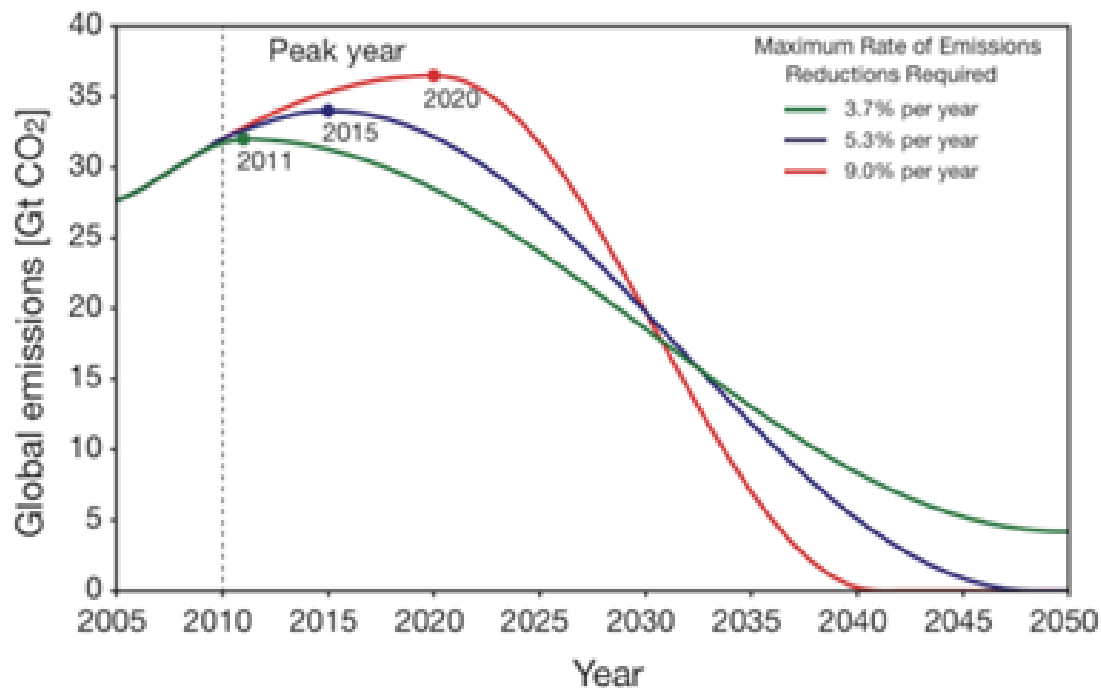
Background 1: The carbon cycle



Background 2: How fast will CO₂ disappear?



Background 3: Carbon budgetting for 2°C



CICERO's Shades of Green: Informing about climate and environmental risks

Dark green	Implementing a long-term solution
Medium green	On the way to a long-term solution
Light green	Short-term benefits, but not a long-term solution

Technologies and Governance

Technologies

- Energy efficiency
- Renewable energy
- Buildings – new and old
- Transport and logistics
- Water and water management
- Waste and waste management
- Forestry
- Land use

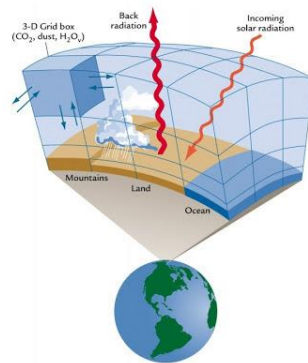
Governance

- Decision processes; green veto?
- Environmental competencies (in-house or collaborative)
- Transparency & reporting
- Impacts

Dialogues = value added

-> Climate and environmental knowledge

<- Market understanding and learning how to nudge



Good/best practices

- Life cycle analyses and off-site impacts
- Rebound effects
- Transparency and reporting
- Impact reporting
- ---
- Ultimate aim: Clarify climate and environmental risks to investors

Thank you for your attention!

谢谢！

<http://www.cicero.uio.no>