

# Act2015 – Long Term Goal

**Proceedings of UNFCCC SB42 Side-Event: Getting Ready for Zero:  
An Overview of Who's Working on Zero Carbon Modelling & Tool Kits**

**Date: Thursday, 4 June 2015, 16:45-18:15**

**Place: Berlin Room, World Conference Centre, Bonn, Germany**

**The Side Event was organised by  
INFORSE – International Network for Sustainable Energy  
Nordic Folkecenter for Renewable Energy  
Centre for Alternative Technology and Track 0.**

See Full Proceedings also at: [www.inforse.org/europe/conf15\\_PreCOP21-Bonn.htm](http://www.inforse.org/europe/conf15_PreCOP21-Bonn.htm)

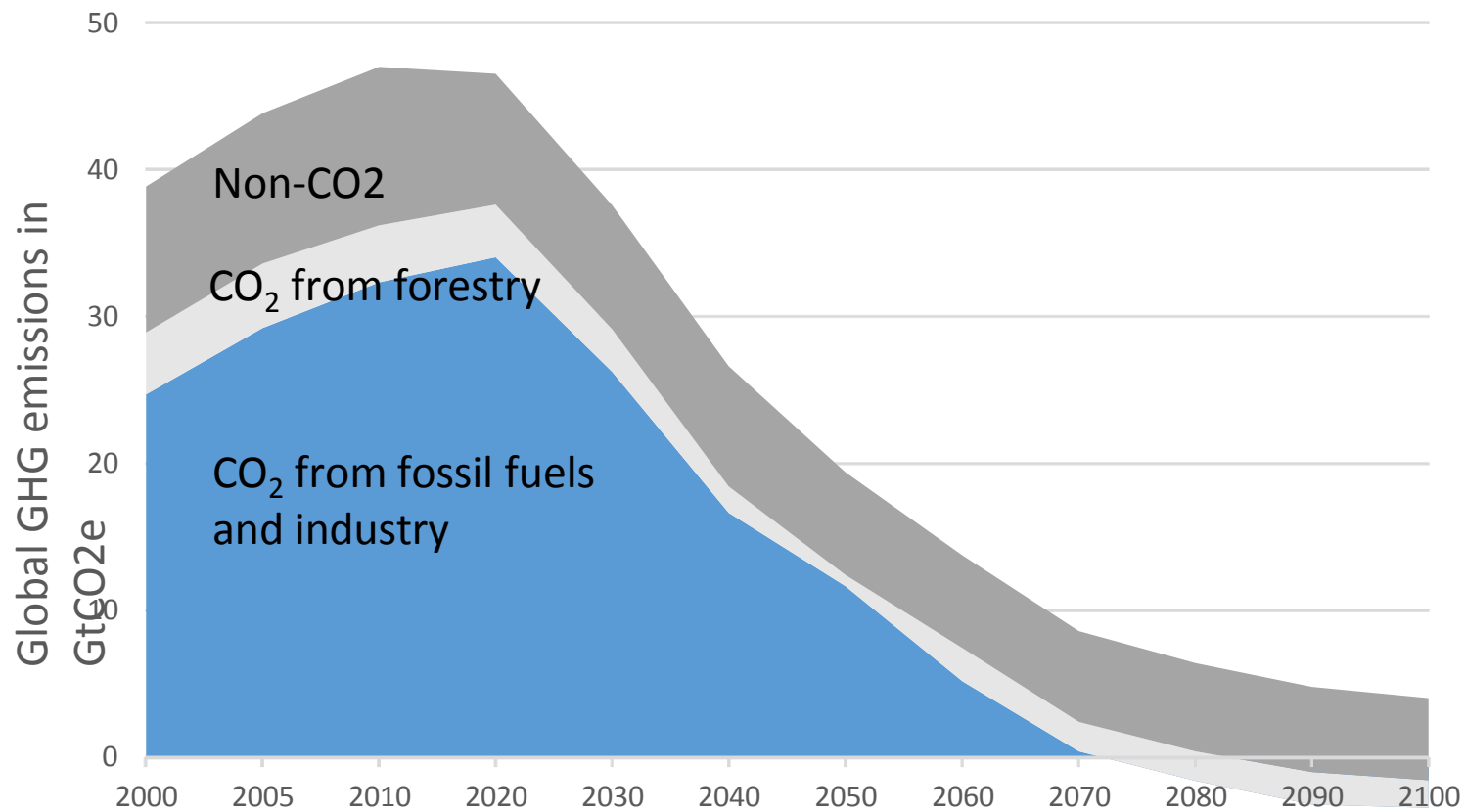
# Long term goal

ACT 2015 briefing

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Michel den Elzen, Annemiek Admiraal

# Speed differentiated by gas



Source: own figure, based on marker scenario RCP 2.6 of the IPCC, from RCP scenario database  
<http://tntcat.iiasa.ac.at:8787/RcpDb/dsd?Action=htmlpage&page=download>

# Phasing out when?

Timing of net zero **GHG emissions**  
for *likely* chance of meeting 2°C



Timing of net zero **CO2 emissions**  
for *likely* chance of meeting 2°C



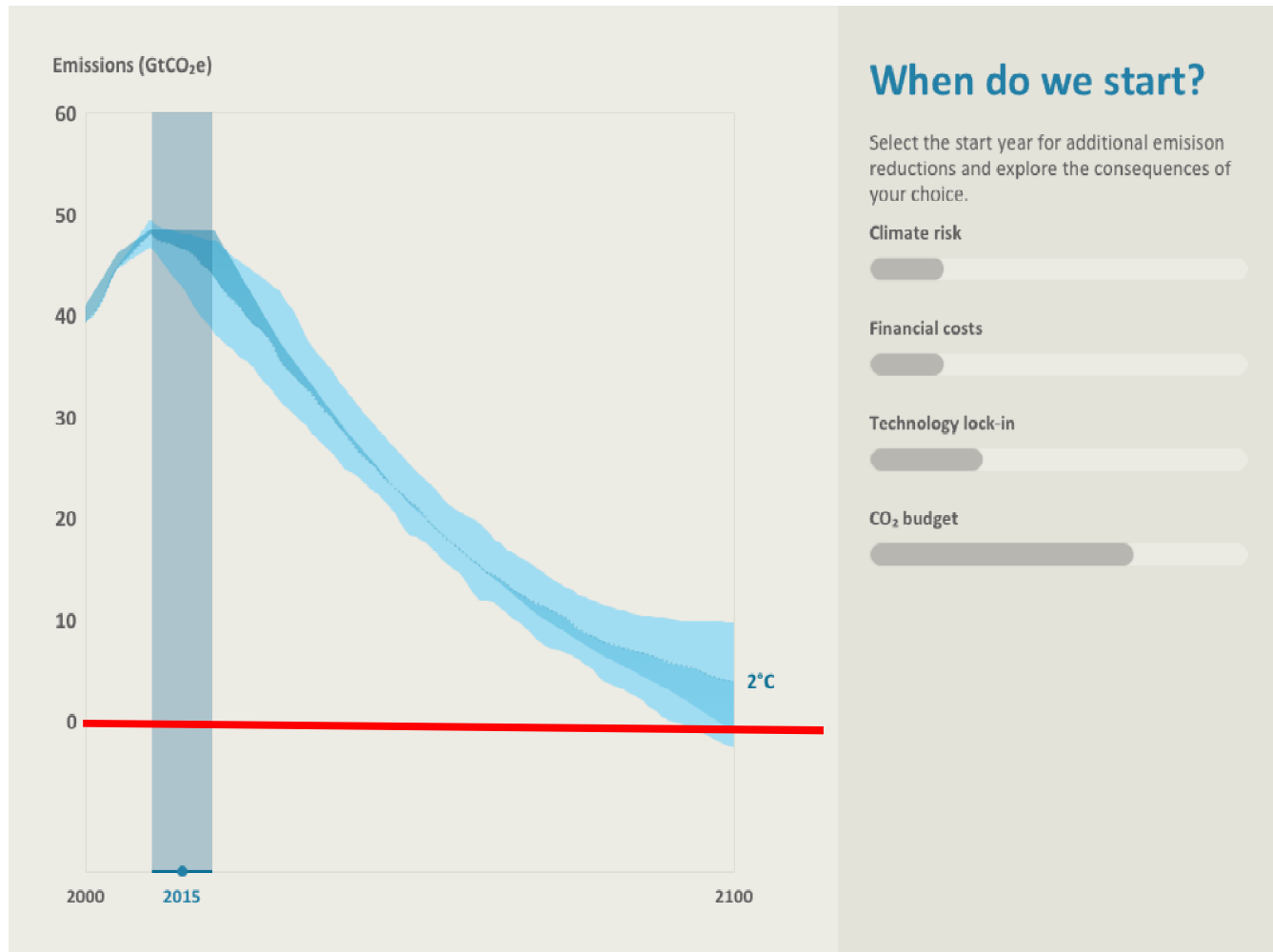
Timing of net zero **GHG emissions**  
for *high* chance of meeting 2°C



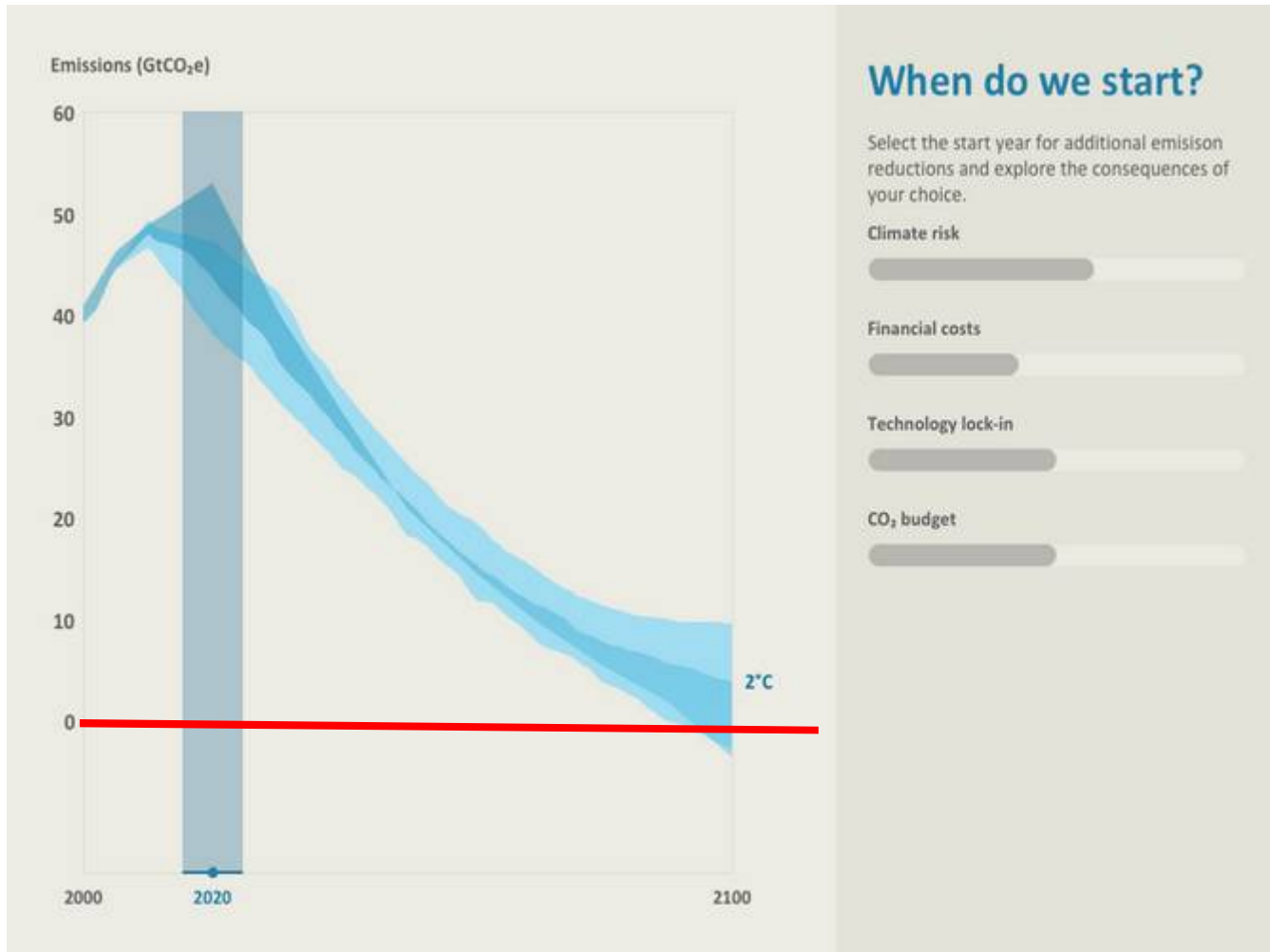
Timing of net zero **fossil fuel CO2 emissions**  
for *high* chance of meeting 2°C



# Delay means earlier phase out



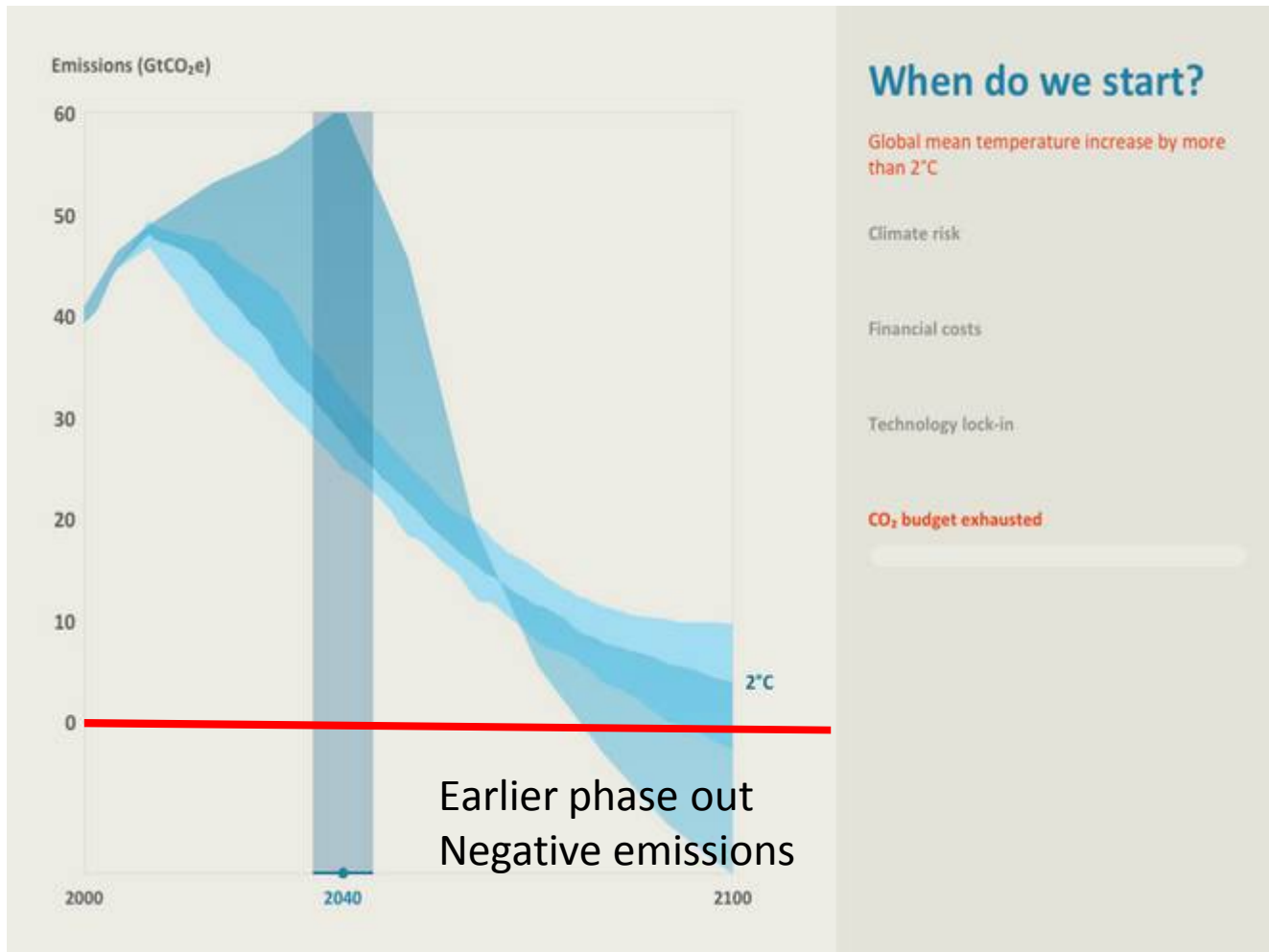
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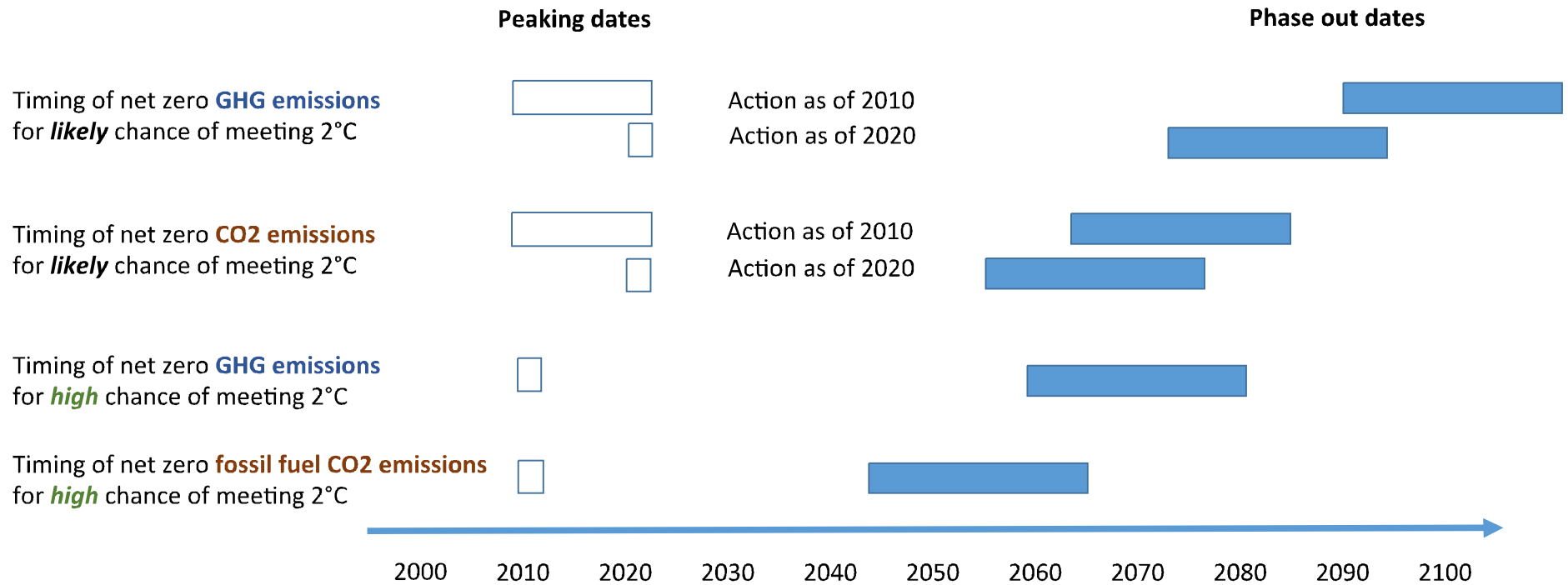


# Delay means earlier phase out





# Phase out when?



# ACT 2015 proposal

» “To hold the increase in global average temperature below 2° C or 1.5° C above pre-industrial levels, the **long-term mitigation goal** of this Agreement is, in accordance with the latest science as reflected in the assessments of the Intergovernmental Panel on Climate Change, to **phase out net global greenhouse gas emissions as early as possible in the second half of this century, including an earlier phase-out of net global emissions of carbon dioxide**, through the collective actions of all countries based on their common but differentiated responsibilities and respective



Source: Getting specific on the 2015 climate change agreement: suggestions for the legal text with an explanatory memorandum, Sebastian Oberthür, Antonio G. M. La Viña, Jennifer Morgan  
[http://www.wri.org/sites/default/files/uploads/ACT2015\\_LegalSuggestions.pdf](http://www.wri.org/sites/default/files/uploads/ACT2015_LegalSuggestions.pdf)