

Arctic ECRA - since 2012

A number of workshops recommended that the EU fund collaborative research aiming to answers these questions:

Arctic ECRA

Strategy and Work Plan (2014)

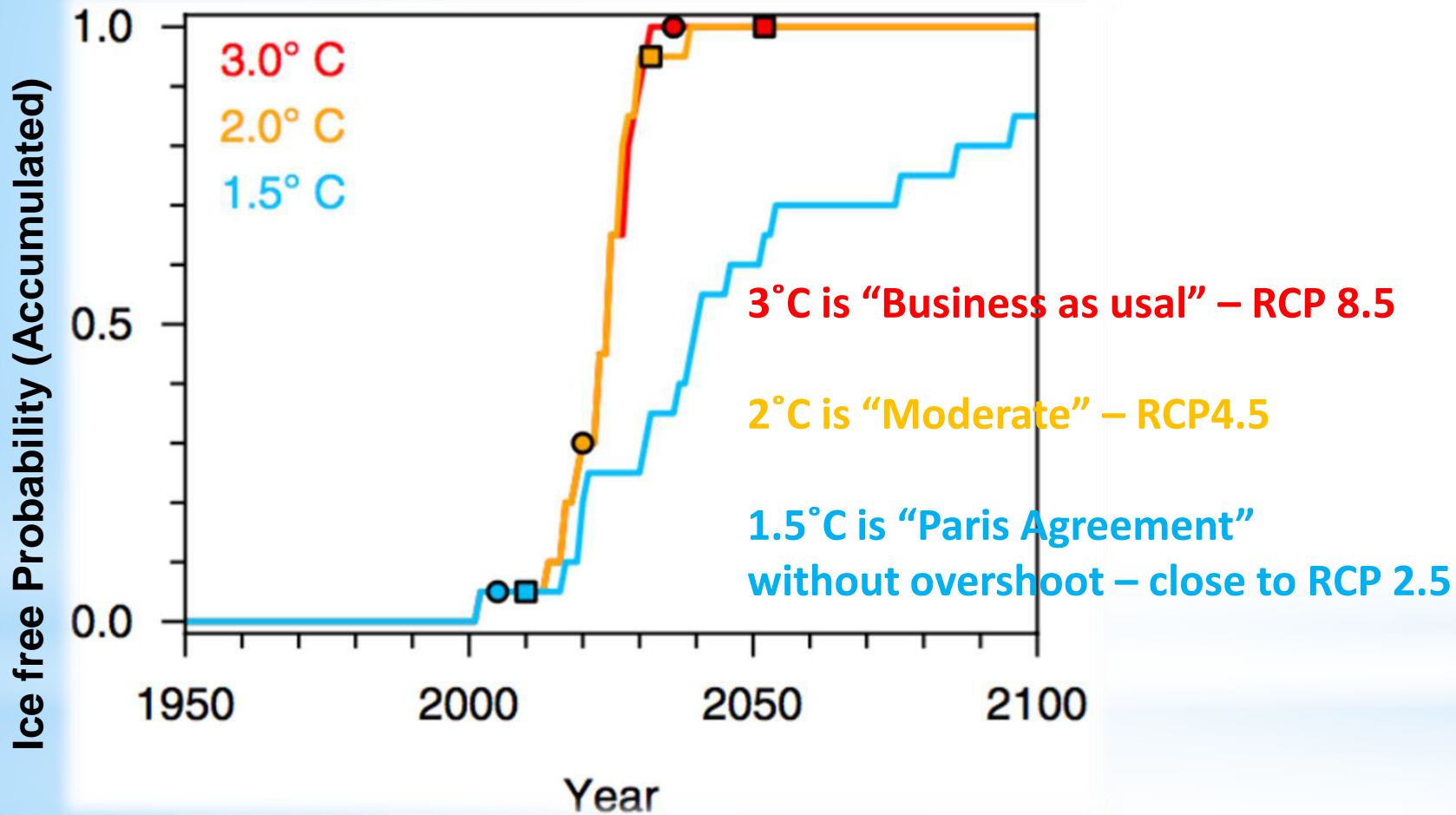
“Advancing European Arctic climate research for the benefit of society”



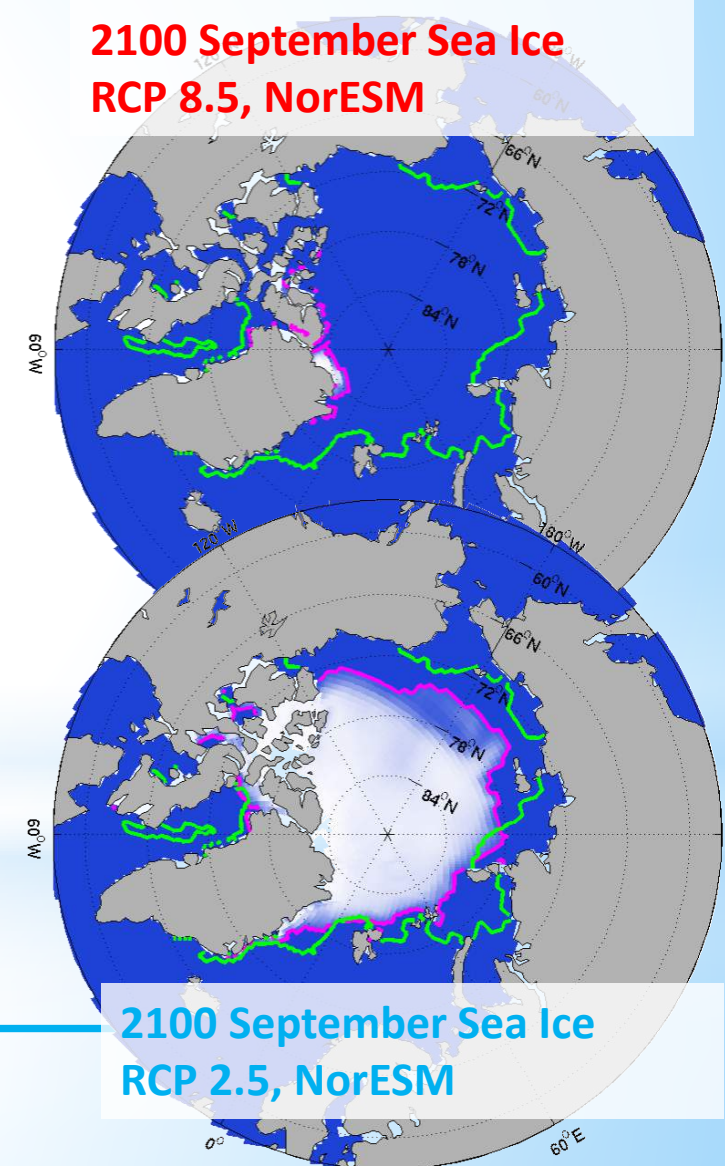
www.ecra-climate.eu

- 1) Why is Arctic Sea Ice disappearing so rapidly?
- 2) What are the local and global impacts of Arctic Climate Change?
- 3) How can we best advance environmental prediction for the Arctic?

We can still «save» the Arctic Sea ice!



2100 September Sea Ice
RCP 8.5, NorESM



2100 September Sea Ice
RCP 2.5, NorESM

Arctic sea ice loss is mostly caused by human use of fossil fuel – closed

Why is continued Arctic Climate research needed?

- **We do not know the circulation response to Arctic sea ice loss**
- **We are not able to forecast Arctic climate well**
- **We do not know the ecological consequences**
- **We are not able to explain natural climate variability**

Thomas Jung (Alfred Wegener Institute, Germany)

APPLICATE: (2016 – 2020) € 8 mill <http://www.applycate.eu/>

Advancing Prediction in Polar regions and beyond: modelling, observing system design and Linkages associated with a Changing Arctic climate

Marius Årthun (Bjerknes Centre, Norway)

Blue-Action: (2016 – 2020) € 7.5 mill <http://www.blueaction.eu/>

The changing Arctic and efforts to predict Northern Hemisphere climate

**For other EU funded Arctic Projects see The EU Arctic Cluster:
www.eu-polar.net/eu-arctic-cluster/**