



RTD Midday Session

DG RTD in transition series

A photograph of an Arctic landscape. In the foreground, there are large, white icebergs floating in a dark blue sea. The icebergs are covered in a layer of snow and have small pools of water on their surfaces. In the background, a dark blue sea stretches to the horizon under a bright blue sky with scattered white clouds. The overall scene is serene and cold.

**THE NEW JOINT COMMUNICATION
ON AN INTEGRATED EU POLICY FOR THE ARCTIC**



European Commission - Press release

A new integrated EU policy for the Arctic adopted

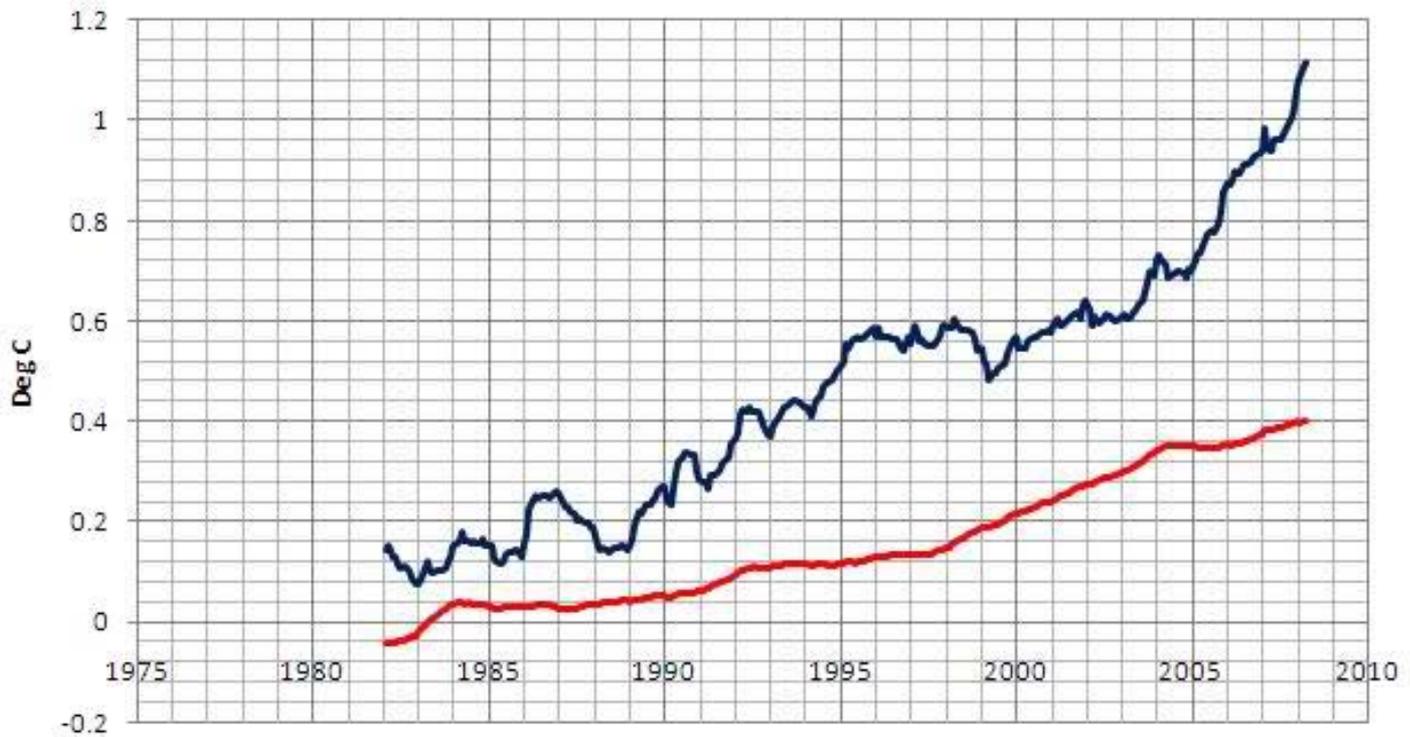
Brussels, 27 April 2016

The High Representative and the European Commission set out an integrated response to the challenges of the Arctic.

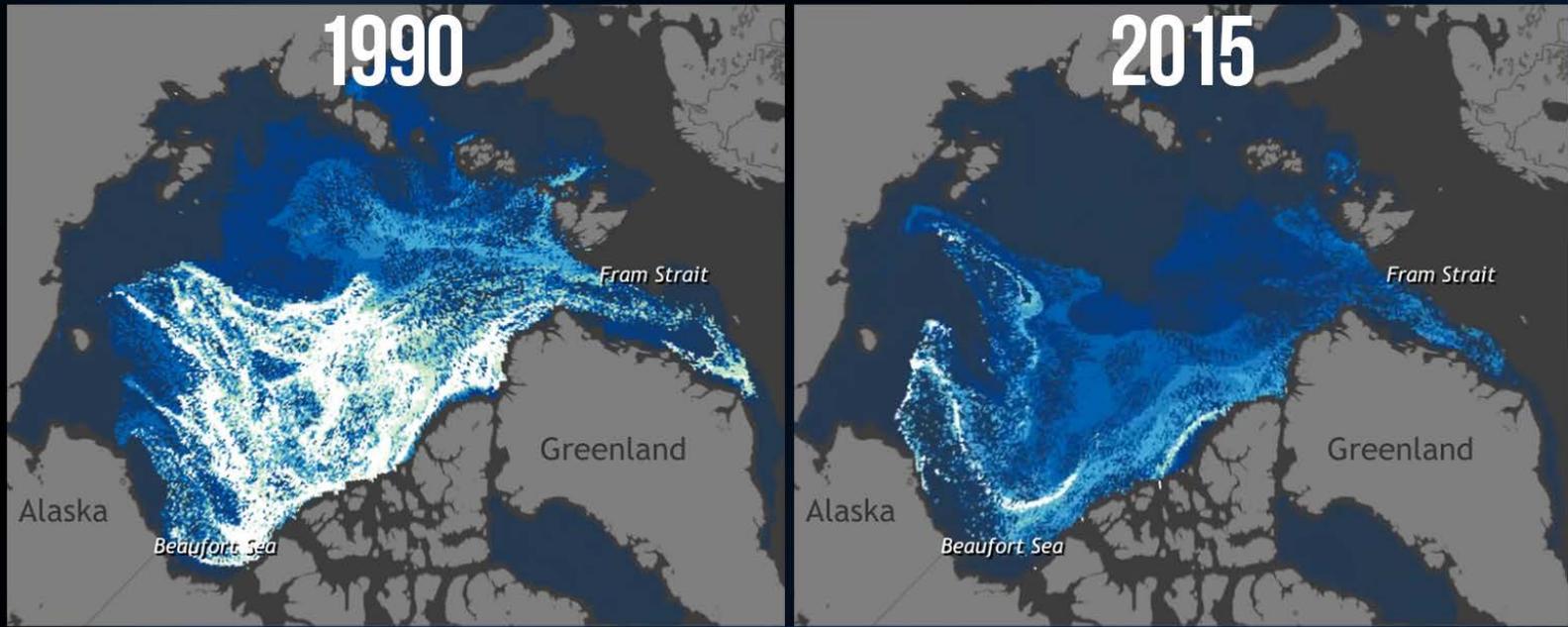
The High Representative for Foreign Affairs and Security Policy and the European Commission have today adopted a policy proposal that will guide the actions of the European Union in the Arctic region. The European Union will step up its existing action and engagement in the region with 39 actions focussing on climate change, environmental protection, sustainable development and international cooperation. The particular importance of research, science and innovation is reflected across these priority areas.



Alarmist Representation of Polar Amplification
Monthly Global (Red) vs Arctic (Blue) Temperature Anomalies
Smoothed with 84-Month Filter
Jan 1975 to Mar 2008



SEA ICE LOSS

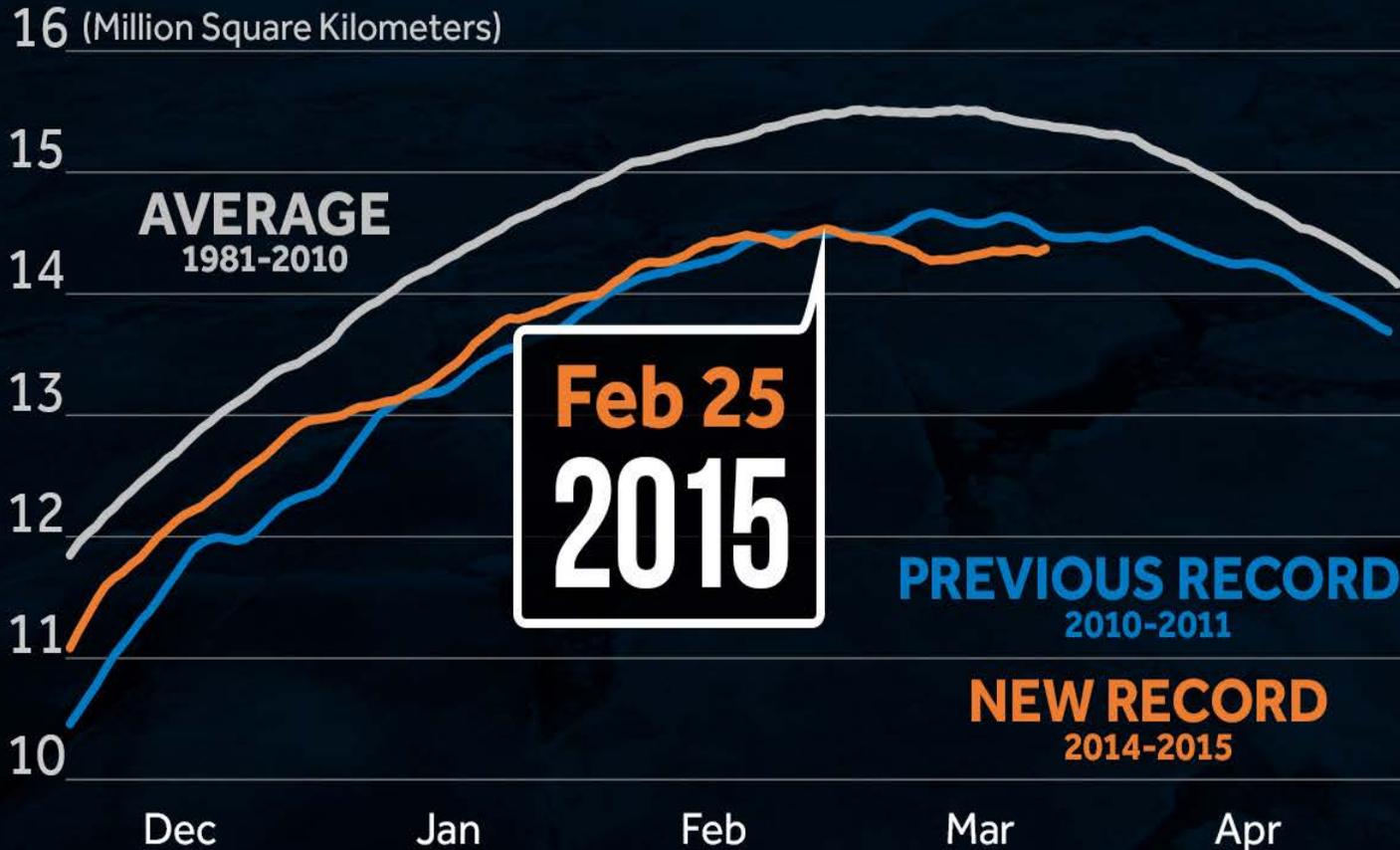


January 1990 & 2015.
Source: NOAA, NSIDC.org

CLIMATE  CENTRAL

Jan 1990- Jan 2015

Arctic Sea Ice: Record Low Maximum



Area of Ocean with at Least 15% Ice.
Source: National Snow and Ice Data Center

Thawing of Arctic Permafrost







INTERNATIONAL
COOPERATION

Research



Innovation



PROTECTING
THE ARCTIC



PROMOTING
SUSTAINABLE
DEVELOPMENT

SAFETY - SUSTAINABILITY - PROSPERITY





International cooperation

Close cooperation with
our EU Arctic States



Worldwide engagement



Shipping



Fauna and Flora



Fishing



Scientific cooperation

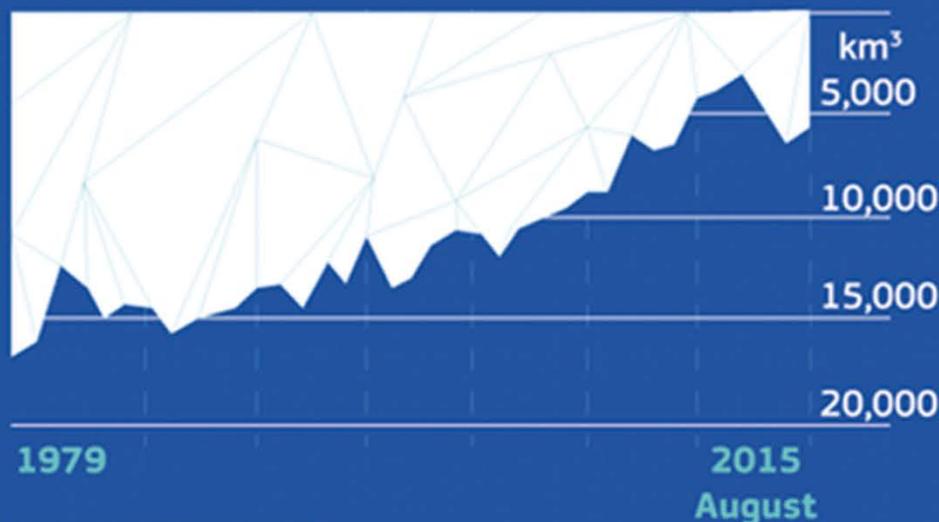


Energy



Telecommunications

Minimum Arctic sea ice volume on thin ice



CLIMATE CO₂ CENTRAL

The ice has been receding by **10%** every ten years

Winter ice this year is **1 million square kilometres** less extensive than the average



EU emissions targets



one of the biggest contributors



€200 M. since 2002
for research projects in the Arctic

22

EU research
institutes



EU-PolarNet



Environment



Health

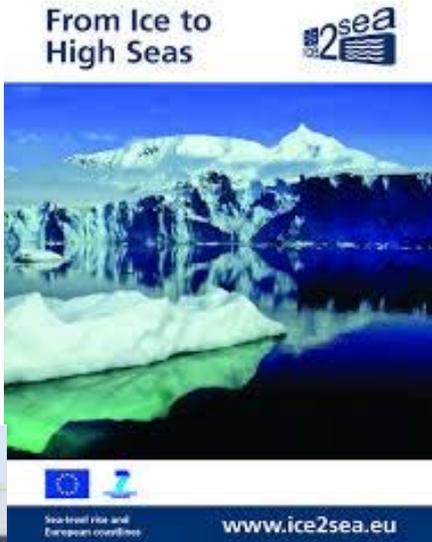


Sea mining
and fisheries

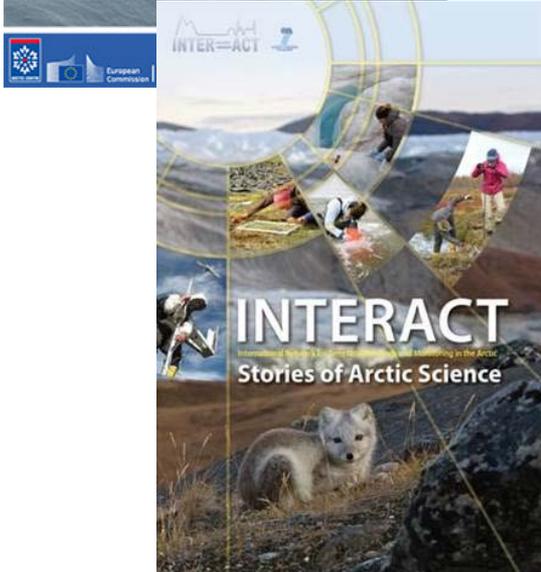


The Atlantic Ocean
Research Alliance





ACCESS
Arctic Climate Change
Economy and Society



EU-PolarNet



The Arctic package in H2020

Call 'Blue growth'

BG-09-2016: An integrated Arctic observing system (15 million EUR)

BG-10-2016: Impact of Arctic changes on the weather and climate of the Northern Hemisphere (15 million EUR)

BG-11-2017: The effect of climate change on Arctic permafrost and its socio-economic impact, with a focus on coastal areas (10 million EUR)

**Opportunities for
EU investors and businesses**

**European Fund for
Regional Development**



For Sweden and Finland



**4 million
inhabitants
in the Arctic**



Sustainability

Development



Tourism



Research



**Sustainable marine
growth**



Infrastructure



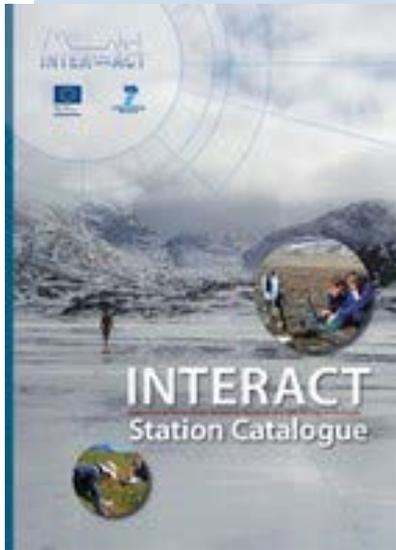
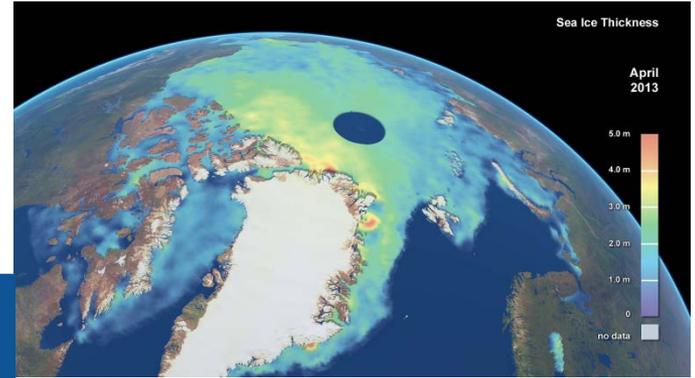
Green growth



Education



OPEN DATA





International scientific cooperation



HORIZON 2020

Excellent Science
Global Challenges
Competitive Industries

Open to the world!



THE ATLANTIC
A SHARED RESOURCE

*Thanks for your
attention*

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