



# RTD Midday Session

DG RTD in transition series

**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

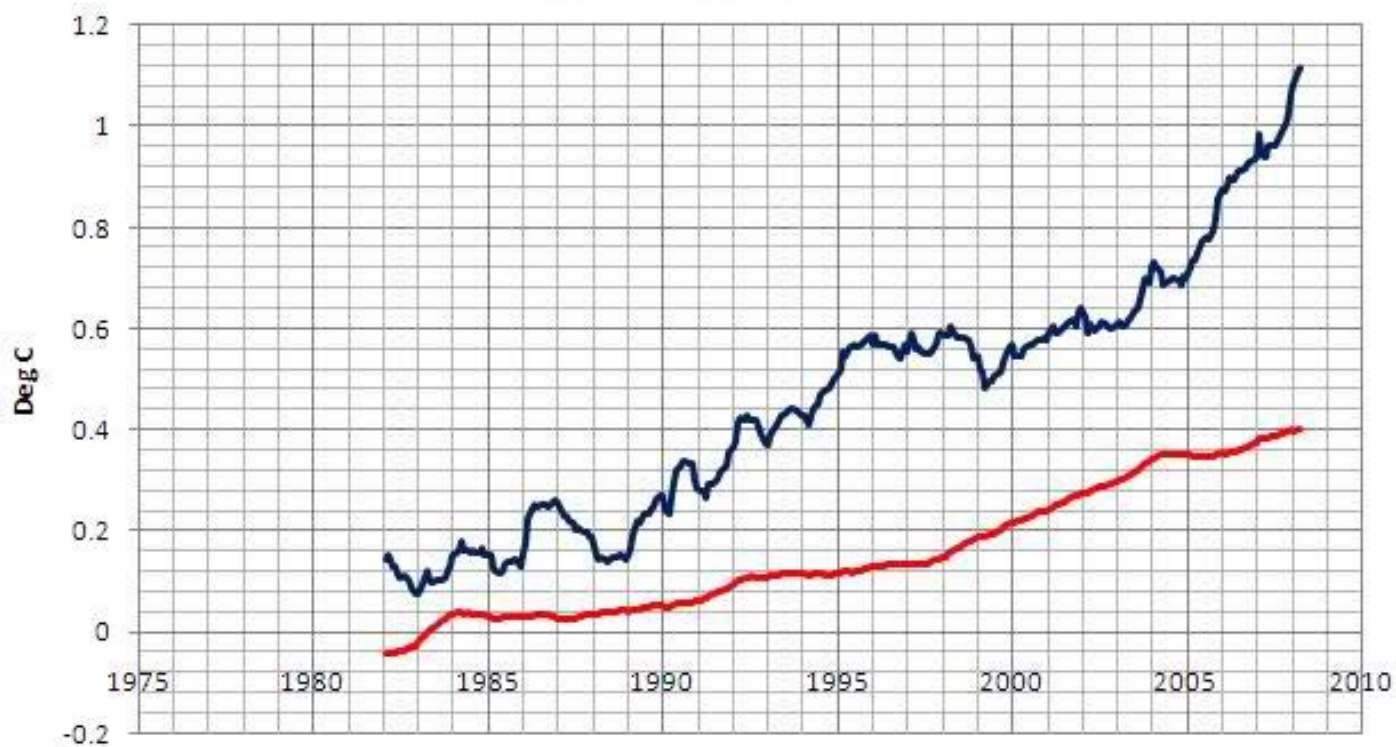
**The High Representative and the European Commission set out an integrated response to the challenges of the Arctic.**

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.

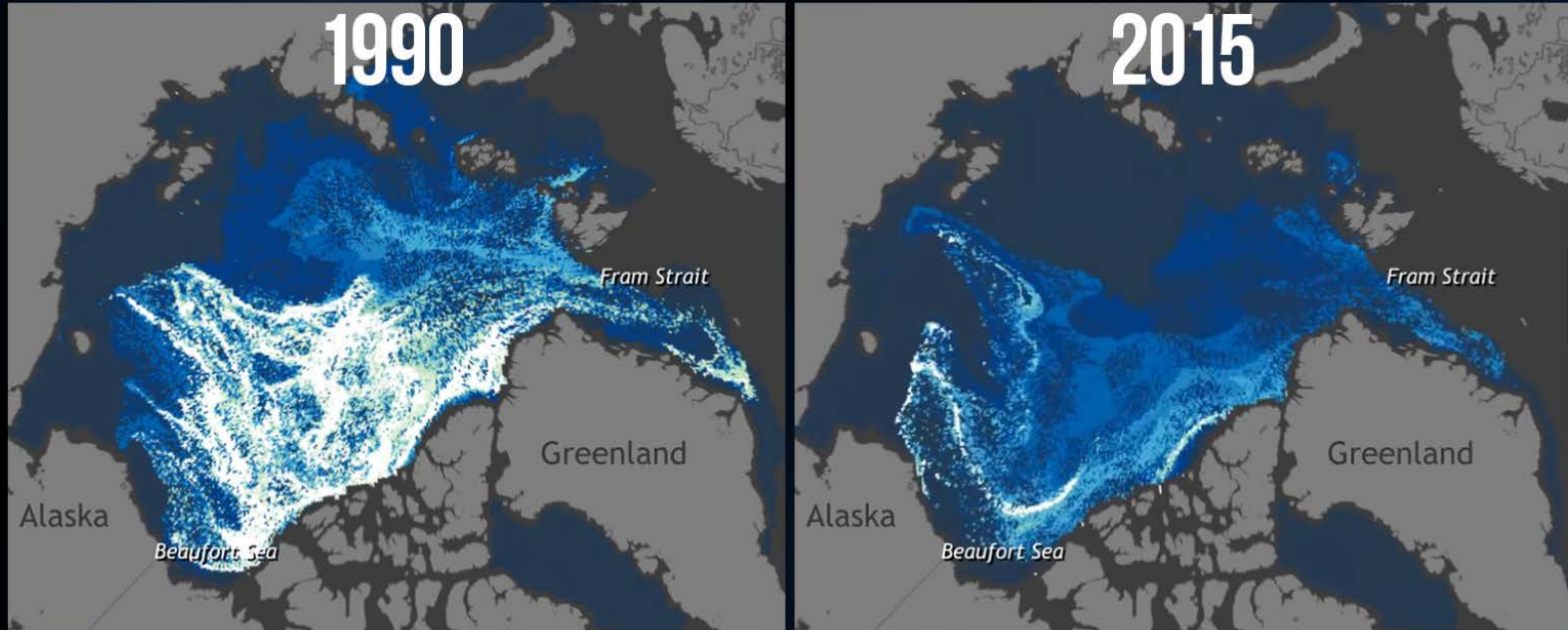




**Alarmist Representation of Polar Amplification**  
**Monthly Global (Red) vs Arctic (Blue) Temperature Anomalies**  
**Smoothed with 84-Month Filter**  
**Jan 1975 to Mar 2008**



# SEA ICE LOSS



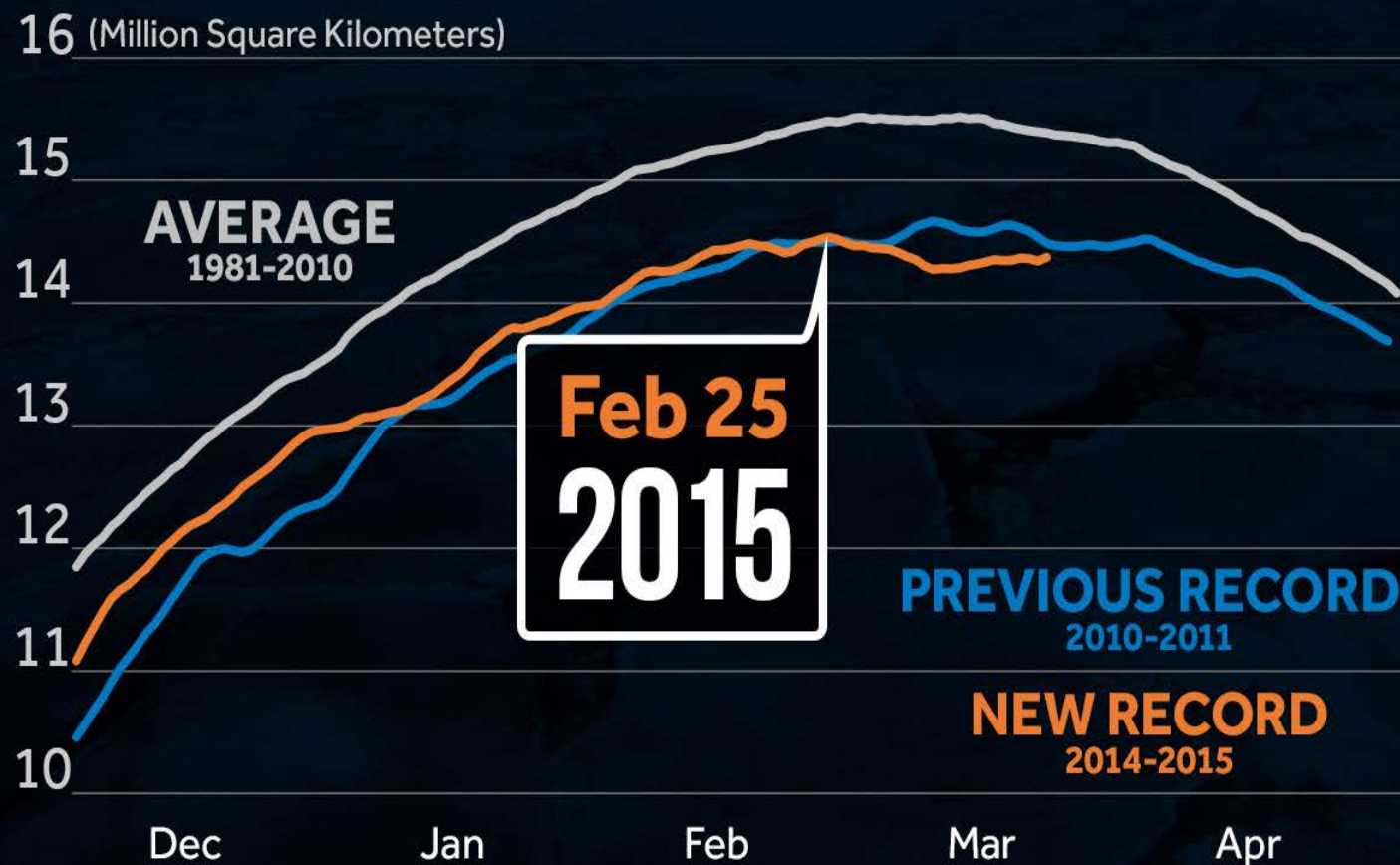
January 1990 & 2015.  
Source: NOAA, NSIDC.org

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

*Innovation*



PROMOTING  
SUSTAINABLE  
DEVELOPMENT

SAFETY - SUSTAINABILITY - PROSPERITY



*Research*



PROTECTING  
THE ARCTIC





## International cooperation

### Close cooperation with our EU Arctic States



### Worldwide engagement



Shipping



Fauna and Flora



Fishing



Scientific cooperation

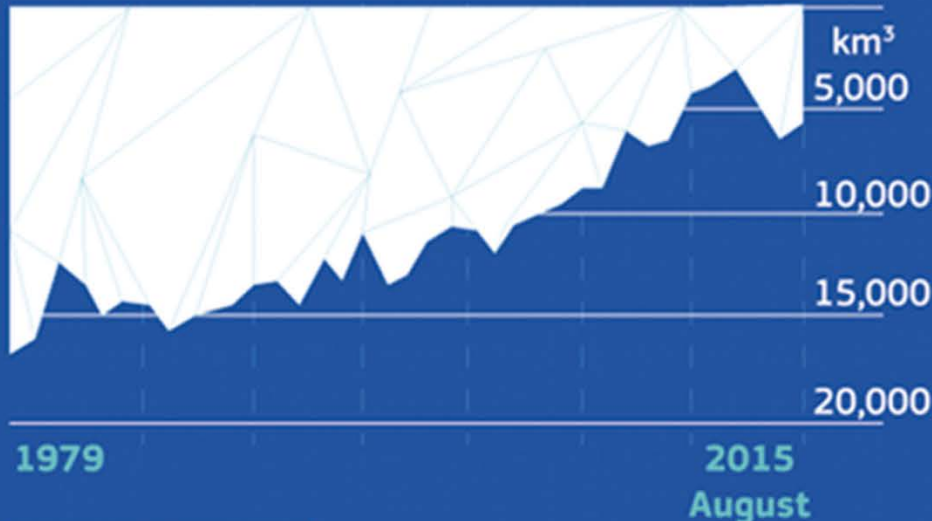


Energy



Telecommunications

## Minimum Arctic sea ice volume on thin ice



CLIMATE CO<sub>2</sub> CENTRAL

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



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

## EU emissions targets





one of the biggest  
contributors



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



The Atlantic Ocean  
Research Alliance



Environment



Health



Sea mining  
and fisheries

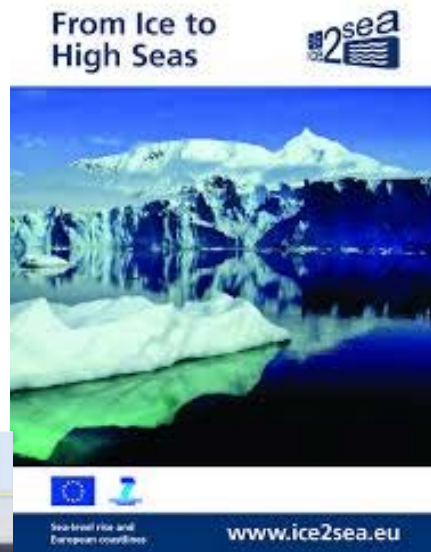
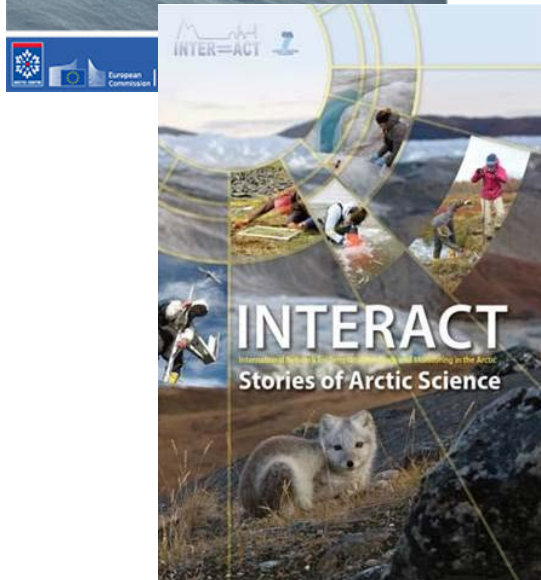
**22**

EU research  
institutes



**EU-PolarNet**





**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**

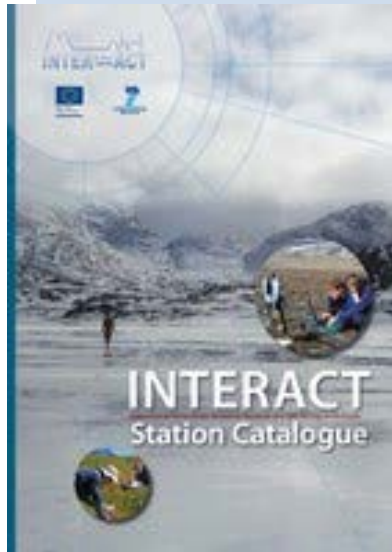
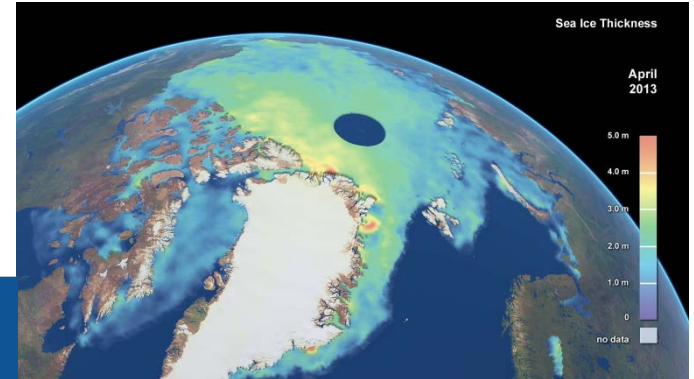


**Education**





OPEN  
DATA





# International scientific cooperation





*Thanks for your  
attention*

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