



# Urban Resilience

CITY  
RESILIENCE  
PROFILING  
PROGRAMME



Arctic Resilient Cities Network

**UN****HABITAT**  
FOR A BETTER URBAN FUTURE

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FOR A BETTER URBAN FUTURE

# Arctic Resilient Cities Network





# The Arctic region





# Arctic population



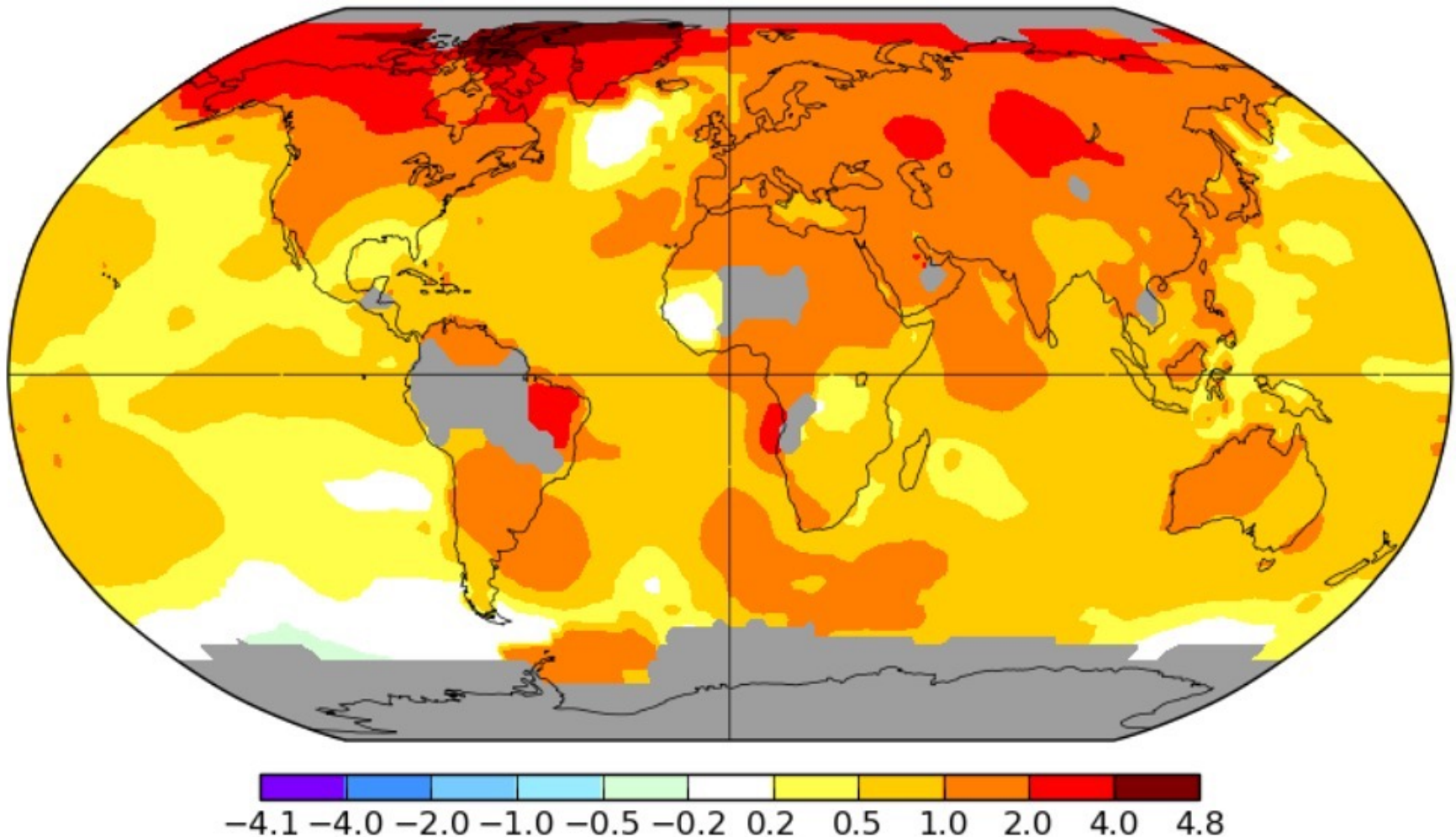
Sources: United States: LFD Census Bureau, 2002; United States: department of commerce, 1990; Canada: Statistics Canada, 1990 and 2002; Greenland: Statistics Greenland, 1994 and 2002; Faroe Islands: Faroe Islands Statistics, 2002; Iceland: Statistics Iceland, 2002; Norway: Statistics Norway, 2002; Sweden: Statistics Sweden, 2002; Finland: Statistics Finland, 2002; Russia: State Committee for Statistics, 2000; Republics information and publisher center, 1990; State committee of the Russian Federation for statistics 1990; World Water Fund, 2000; Norway.

# Changes in the world – the Arctic view

Annual J-D 1997-2016

L-OTI(°C) Anomaly vs 1880-1910

0.90











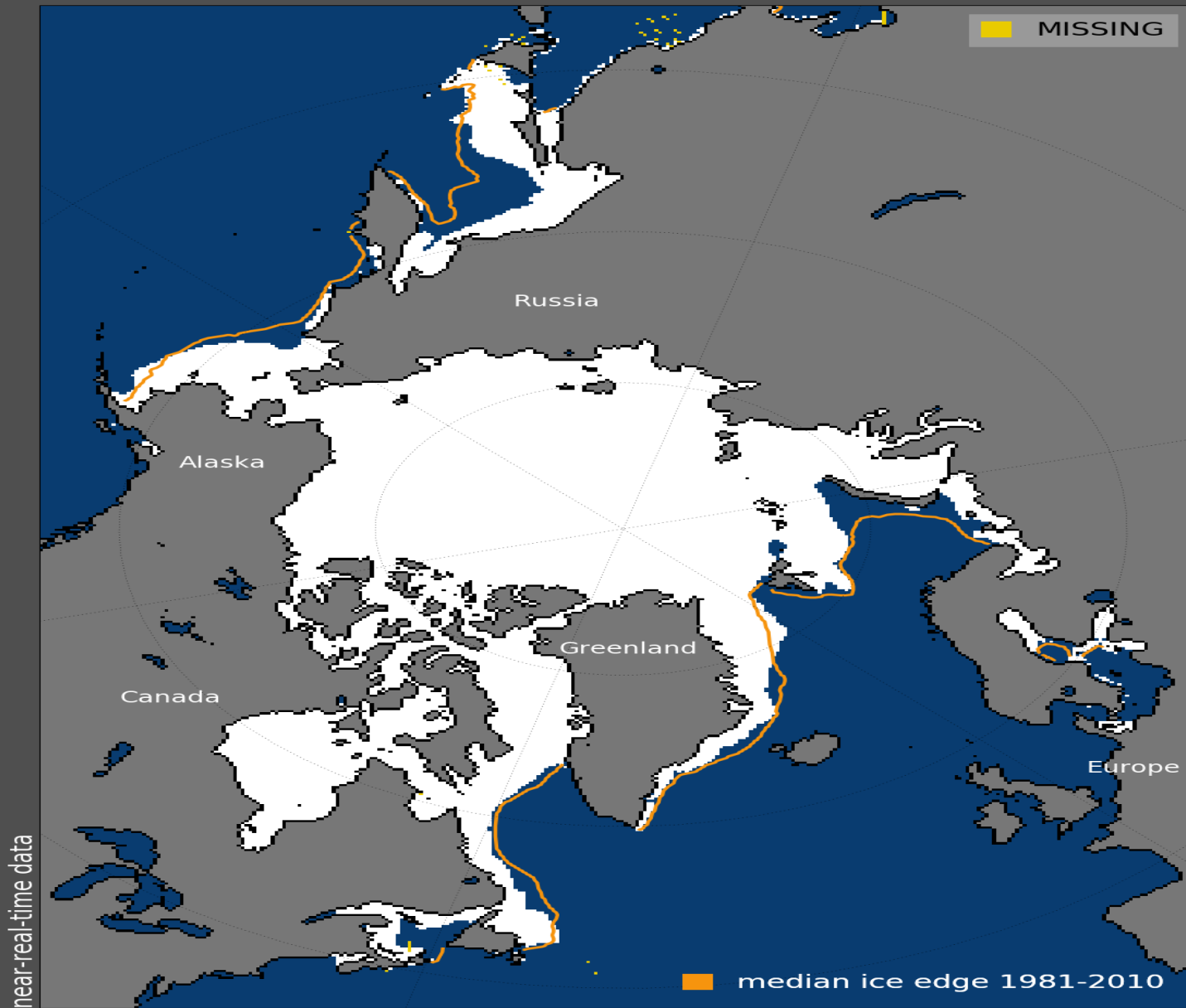
# Alaska and climate change







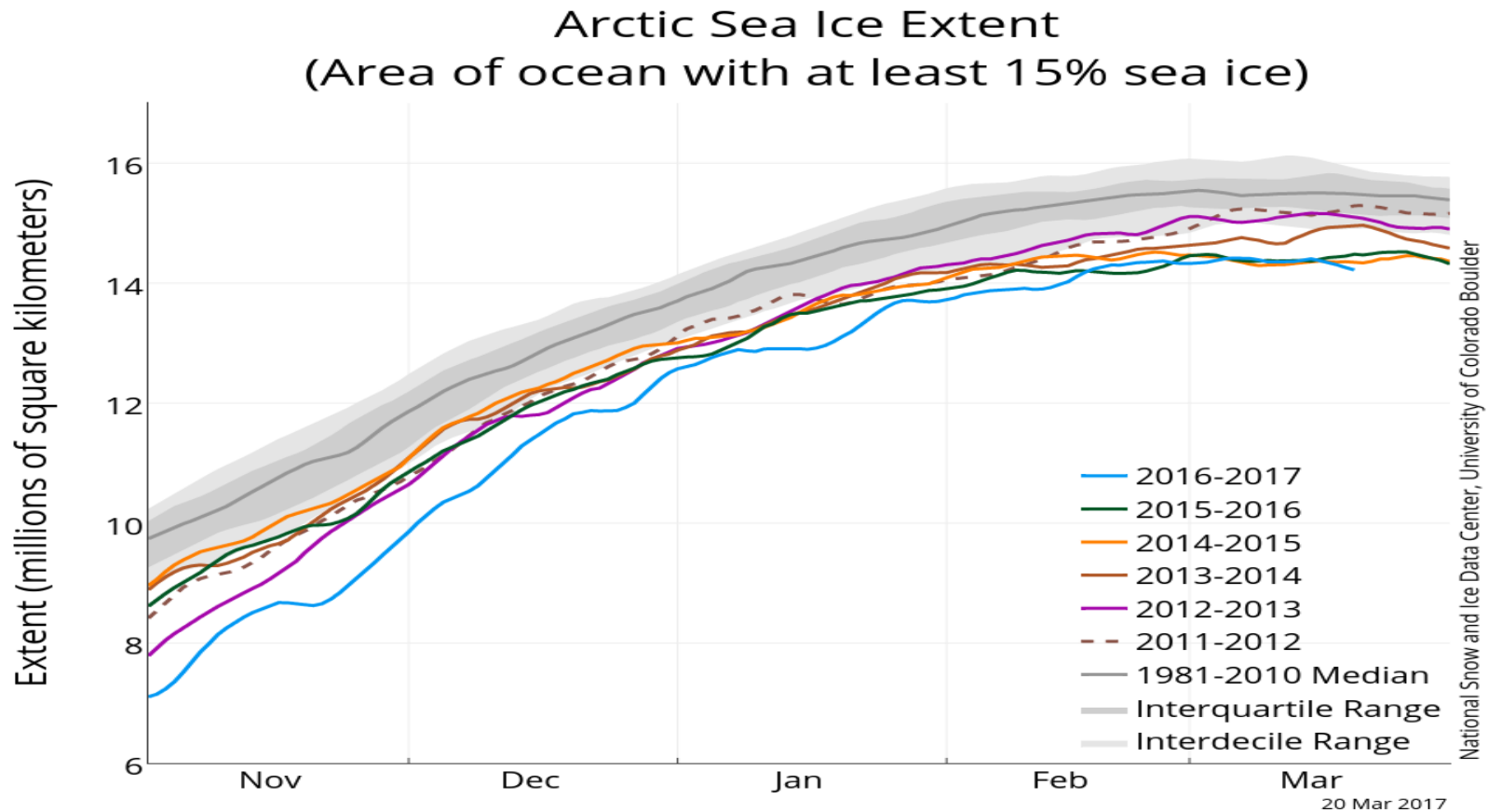
# Sea Ice Extent, 07 Mar 2017



National Snow and Ice Data Center, University of Colorado Boulder



# Arctic Sea Ice Extent



# Arctic Resilient Cities Network

## Urban Resilience:



**“Measurable capacity of any urban system to absorb and recover from all plausible hazards and maintain continuity of functions”**

# Why the Arctic need a global toolbox



# Arctic Resilient Cities Network

## Arctic Region

### Unique driver of global ecosystems

- Multiple current and emerging challenges
- Multiple current and emerging opportunities

### Rich diversity on 'common ground'

- Biodiversity
- Natural resources
- Growing 'catalytic' economies

**Resilient cities = resilient region**





# A new Arctic world

## Three key drivers behind the new Arctic

### Ice melting and climate change

#### Increased need for insight and understanding

- Scientific research and higher education on climate, Arctic environment and technology

### Technology development

#### New shipping routes open up

- Expertise, infrastructure and service offerings
- Safety and emergency response

### The need for resources

#### New possibilities for marine harvesting

- Expertise, infrastructure and service offerings
- Safety and emergency response

#### A growing travel and leisure industry

- Expertise, infrastructure and service offerings
- Safety and emergency response

The Arctic has become a key strategic area for the entire world

«The Race for the Arctic» is ongoing

# Arctic Resilient Cities Network

## UN Habitat's Urban Resilience Programme:

'Lighthouse' Arctic Cities



**Establish** a regional platform under the UN Global Making Cities Resilient Campaign;

**Provide** Arctic cities with the tools, guidelines, and methodologies for building resilience dividends

**Transfer** knowledge, expertise, and experience to a global arena.

# ARCN at Arctic Circle in Iceland



*"Mayors of the North want to lead, to create resilient societies for our people. The local governmental voice is necessary to shape the future for both the Arctic and the world."*

The Mayor of Bodø, Ida Pinnerød (Norway)

*ARCN: Access to proven tools, guidelines and expertise through UN Habitat's programmes and communities of practice. A global platform for engagement of Arctic leaders with local governments around the world.*

Dan Lewis, Chief, UN Habitat Urban Resilience Programme



# 17 PARTNERSHIPS FOR THE GOALS





Thank you for your attention

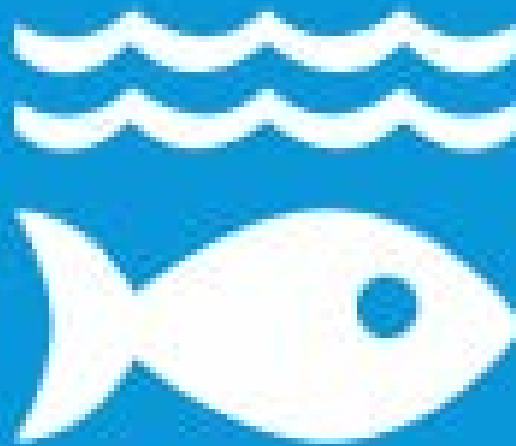
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# 14 LIFE BELOW WATER



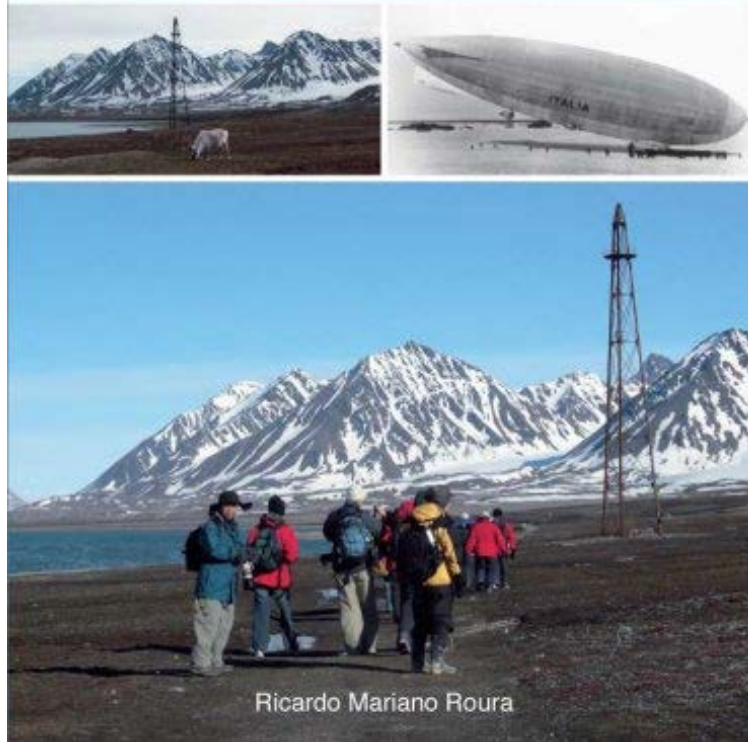




**KEEP  
CALM  
AND  
BUILD GLOBAL  
FRIENDSHIP.**

# THE FOOTPRINT OF POLAR TOURISM:

tourist behaviour at cultural heritage  
sites in Antarctica and Svalbard



Ricardo Mariano Roura