

AACA

ADAPTATION ACTIONS FOR A CHANGING ARCTIC

*Marianne Kroglund, Norwegian Environment Agency
The Arctic Biodiversity Congress, Trondheim
December 2-4, 2014*



ARCTIC COUNCIL



EIGHT ARCTIC COUNTRIES

PERMANENT PARTICIPANTS
(Indigenous peoples organizations)

OBSERVERS
(Countries and organizations)



**ARCTIC
COUNCIL**

ACAP
Arctic
Contaminants
Action Program

AMAP
Arctic
Monitoring and
Assessment
Programme

CAFF
Conservation of
Arctic Flora and
Fauna

EPPR
Emergency
Prevention,
Preparedness
and Response

PAME
Protection of
the Arctic
Marine
Environment

SDWG
Sustainable
Development
Working Group

Background



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- Common challenges and opportunities in responding to a changing Arctic
- Early action could reap benefits
- Need to build capacity and expertise in adaptation
- Previous studies often focusses on single dimensions, missing interactions
- Arctic council 2012 adopted the AACCA project

The AACCA Mandate

The Arctic Council requested AMAP to:

“produce information to assist local decision makers and stakeholders in three pilot regions in developing adaptation tools and strategies to better deal with climate change and other pertinent environmental stressors”

The AACCA Overarching Goal

Enable more informed, timely and responsive policy and decision making in a rapidly changing Arctic

More specifically:

Consider Arctic-focused climate and integrated environmental frameworks/models that can improve predictions of climate change and other relevant drivers of Arctic change



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ADAPTATION ACTIONS FOR A CHANGING ARCTIC



Bering, Chukchi, Beaufort (BCB)

- Larry Hinzman, University of Alaska, US
- Peter Outridge, University of Manitoba, Canada
- Gary Stern, University of Manitoba, Canada
- Alexander Klepikov, Arctic and Antarctic Research Institute, Russia

Pan-Arctic

- Michael Kuperberg, Climate & Environmental Sciences Division, US Department of Energy
- Glen Peters, Center for International Climate and Environmental Research (CICERO), Norway



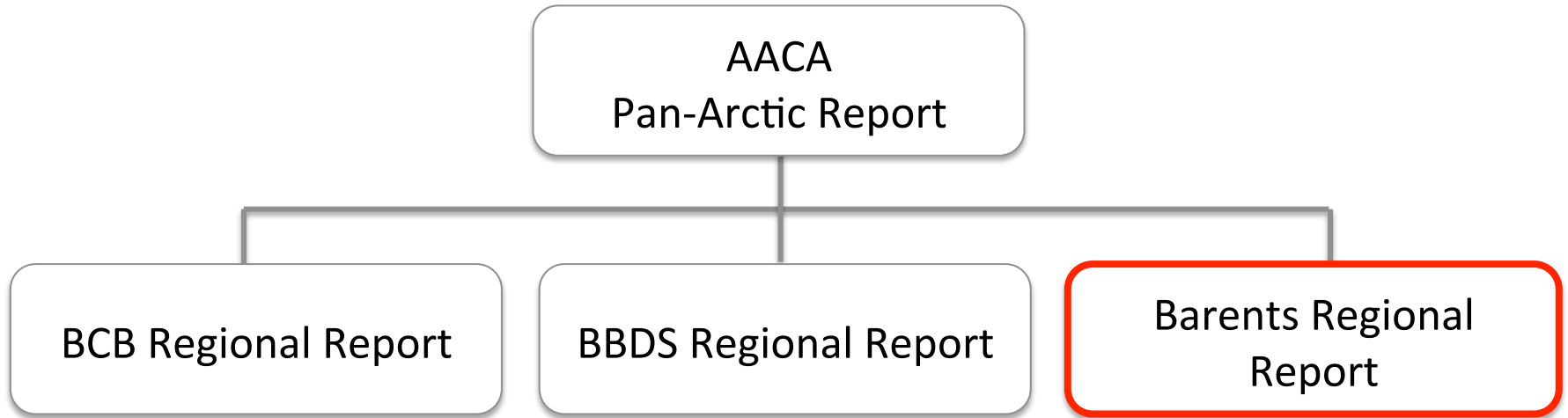
Baffin Bay/Davis Strait (BBDS)

- Malene Simon, Greenland Institute of Natural Resources
- Martin Fortier, Arctic Net, Canada
- Anders Mosbech, Århus University, Denmark

Barents

- Marianne Kroglund, Norwegian Environment Agency
- Tove Lundeberg, Swedish Environmental Protection Agency
- Monica Tennberg, Arctic Centre, University of Lapland
- Vladimir Ivanov, Arctic and Antarctic Research, Russia

The AACCA Structure



- Each Regional Report is led by an Implementation Team that includes Arctic Council Permanent Participants and other experts
- The pan-Arctic report is conducted through the Integration Team which includes the regional co-chairs, Permanent Participants and experts
- The AMAP Secretariat supports the overall effort

Barents Report Table of Content

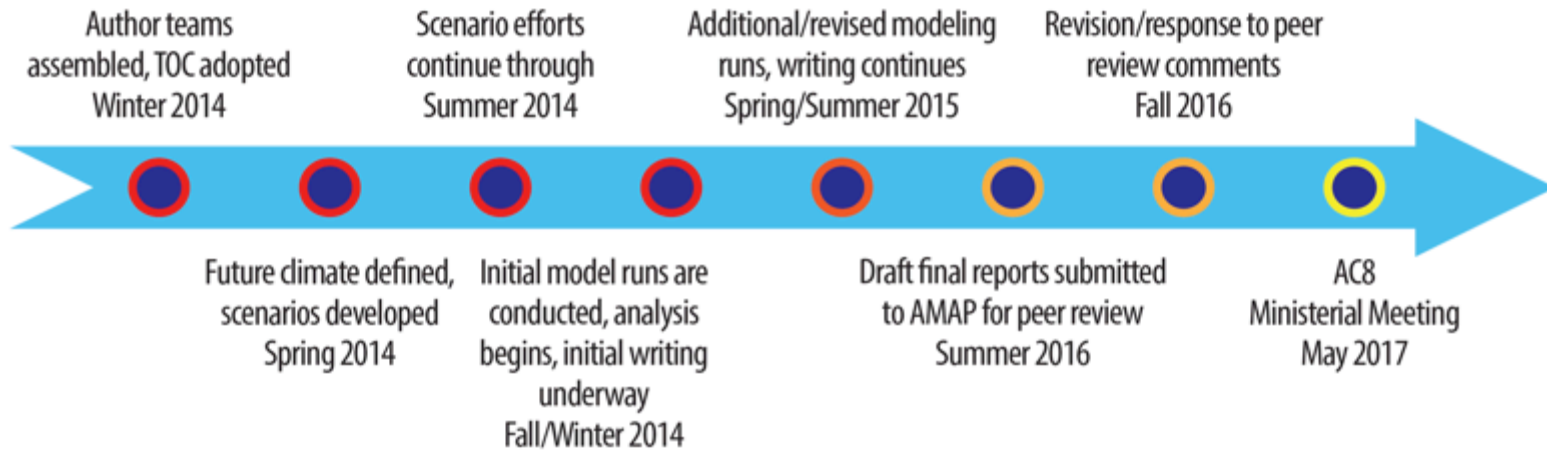
- Ch. 1: Introduction
- Ch. 2: Local and regional perspectives
- Ch. 3: Description of the region (**environment, society, political**)
- Ch. 4: Drivers of change (**climate, environmental, socio-economic**)
 - including downscaled climate projections (met.no, SMHI, IMR)
 - medium (2030) and long term (2080)
- Ch. 5: Regional scenarios
 - participatory methodology
 - linked to global and Pan-Arctic scenarios (SSPs)
- Ch. 6: Consequences of change
 - implications for **biology, ecosystems, socio-economy**
 - cumulative impacts
- Ch. 7: Resilience
- Ch. 8: Adaptation options

Ambitious and complex

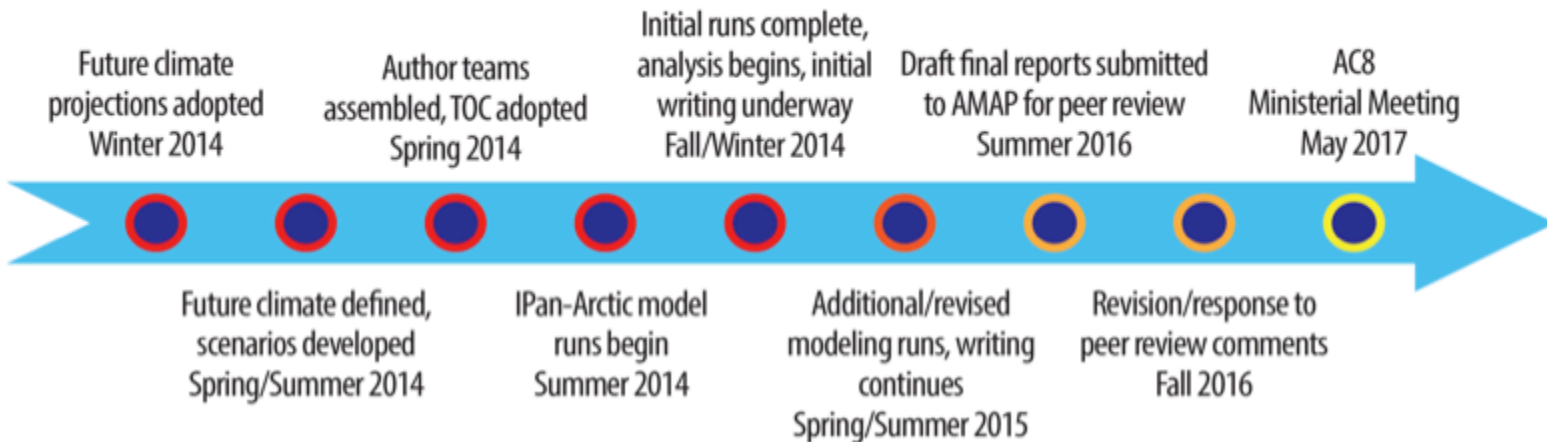


The AACCA Timeline

Regional report timeline



Pan-Arctic report timeline



WHY do we do this? WHY AACAA?



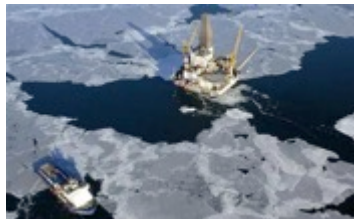
Arctic Change
resilience and
adaptation

Mainstreaming
biodiversity
linking Arctic
ecosystems to
society

Understanding
cumulative
effects and
managing
impacts

with special sessions
focussing on

Case Studies
and
Scenario
Planning



AACA Contacts



AACA Secretariat (AMAP):

amap@amap.no

Pan-Arctic Report:

glen.peters@cicero.oslo.no

michael.kuperberg@science.doe.gov

Barents Region

marianne.kroglund@miljodir.no

tove.lundeberg@naturvardsverket.se

monica.tennberg@ulapland.fi

vladimir.ivanov@aari.ru



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