

# Knowledge for a sustainable North Pole

Martine van den Heuvel-Greve & Bas Bolman

Wageningen, 25 March 2014



*Source: Bob Strong, Reuters*



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# Agenda

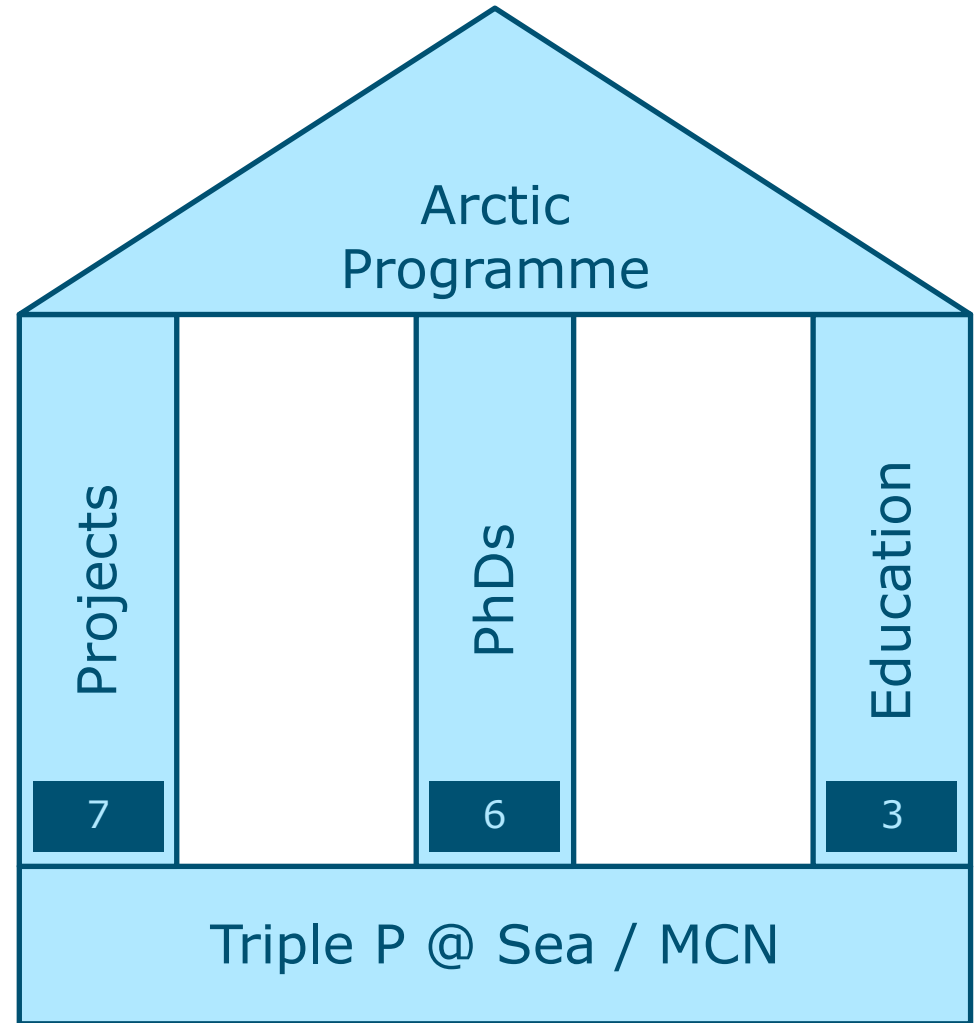
12.00 – 12.15 Introduction to the Arctic Programme

12.15 – 12.35 Film: Knowledge for a sustainable North Pole

12.35 – 12.45 Discussion & questions

# Introduction to the Arctic Programme

1. Overview
2. Projects
3. PhDs
4. Education



# 1) Overview



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# Introduction

- Contribute to sustainable use of resources in the Arctic
- Many natural resources and:
  - vulnerable ecosystems
  - changing local and traditional communities
- Generate knowledge as input for international dialogue
- Where (not), why (not) and under what conditions?

# Partners within Wageningen UR





## 2) Projects



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# Arctic Projects



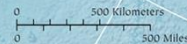
Source: [www.geographicguide.com](http://www.geographicguide.com)



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Scale 1:39,000,000

Lambert Azimuthal Equal-Area Projection





# Projects started in 2012 & 2013

■ Arctic Operations Handbook	Industries
■ Arctic Naval Operations	Navy C/S
■ Strategic Environmental Assessment	EU
■ Minor Oil & Gas	MCN
■ Cofinance ARCIND	Statoil
■ Systematic review Greenland	Shell
■ Arctic Ecological Impacts	Industries

# Focus for 2014-2016

- Toxicity and indicators: pressures from shipping, oil, gas
- Non indigenous species (NIS) and Ballast Water Systems
- People & profit: development of socio-economic indicators
- EcoTech: oil absorbent foam - alternative to dispersants?

### 3) PhDs



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# PhD research

1. Sustainable Arctic resource use – Alexey Pristupa
2. Arctic Biological Indicators - Ariadna Szczybelski
3. Sustainable Ecosystem Management – Linde van Bets
4. Role of sea ice for living resources – Fokje Schaafsma
5. Migratory connectivity of seabirds – Rob van Bemmelen
6. Near term climate predictions – Folmer Krikken





## 4) Education



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# Minor Oil & Gas

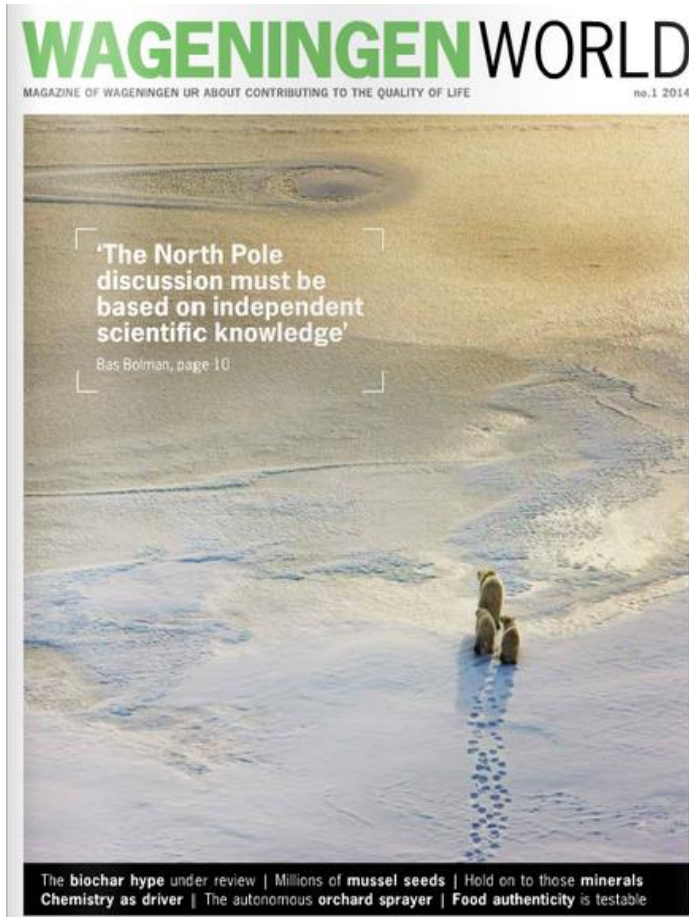
- Two guest lectures on impacts on people & planet
- 21 students from HBO/MBO+ (minor Oil & Gas)
- Group assignment on technique, nature, research
- Film “Knowledge for a sustainable North Pole”
- Successful evaluation



# The Arctic Programme is financed by

- Wageningen UR - Triple P @ Sea
- Ministry of Economic Affairs
- Maritime Campus Netherlands
- European Fund for Regional Development
- Industries
- NGOs

# More information



- <http://bit.ly/1dJDiAU>
- [www.wageningenur.nl/arctic](http://www.wageningenur.nl/arctic)
- [bas.bolman@wur.nl](mailto:bas.bolman@wur.nl)
- [martine.vandenheuvel-greve@wur.nl](mailto:martine.vandenheuvel-greve@wur.nl)



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