

SC2 Coordinators Day

Blue Growth



Understanding the impact of a changing Arctic on Northern Hemisphere weather and climate

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Project description

- What is the project about?
Understanding the impact of a changing Arctic on Northern Hemisphere weather and climate
- What are the main objectives?
 - Evaluate the impact of Arctic warming on the Northern Hemisphere
 - Develop new techniques to improve forecast accuracy at sub-seasonal to decadal scales

- What the project will offer?
 - Improve the safety and wellbeing of people in Arctic/Northern Hemisphere
 - Reduce the risks associated with Arctic operations and resource exploitation
 - Support evidence-based decision-making by policymakers worldwide



Consortium overview

- >120 experts from over 40 organisations across Europe, US, Canada, Russia, China, Korea, Japan
- Full list of staff/organisation involved:
<http://www.blueaction.eu/> > Who is Blue-Action?

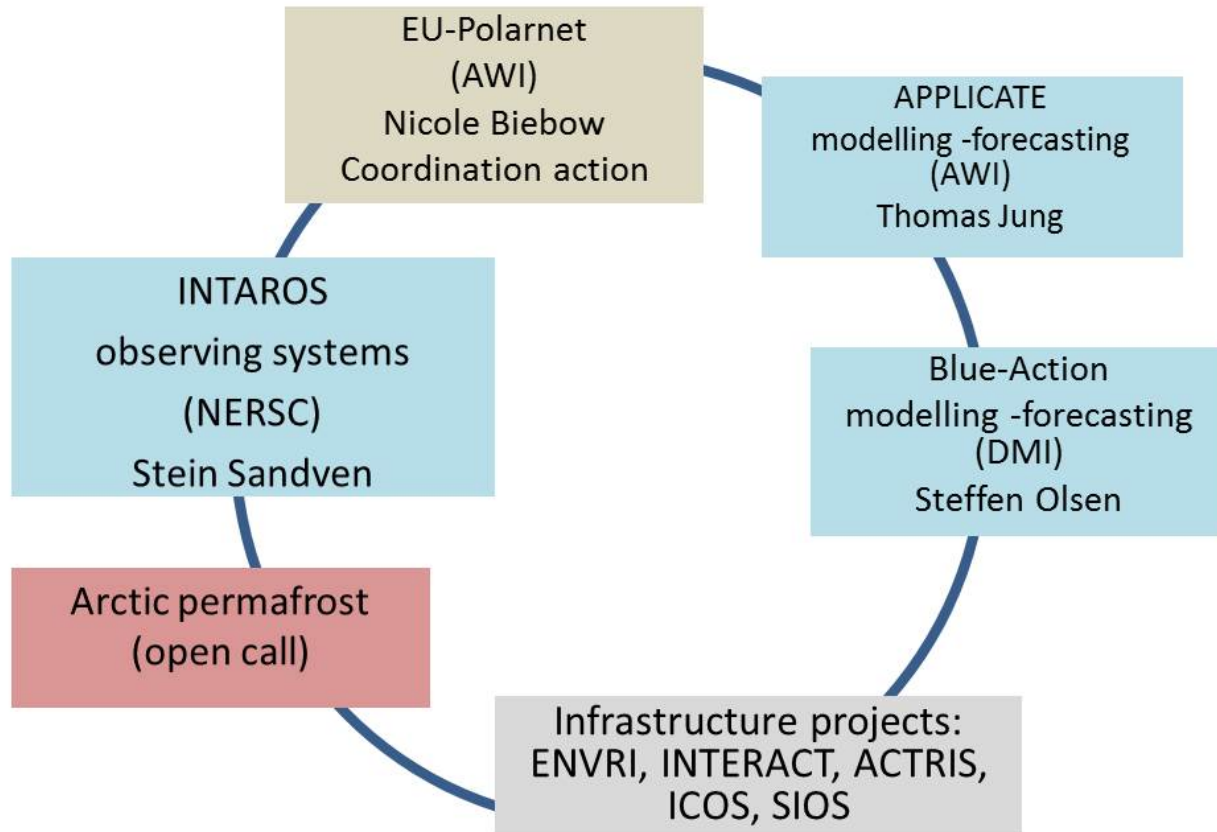
Potential results

- Develop new methods to characterise climate conditions where **hazardous weather system** forms across the Northern Hemisphere and establish their link to Arctic climate change
- Deliver an **improved representation** of Arctic warming and **its impact** on atmosphere and ocean circulation
- Enable **robust and reliable forecasting** to deliver better predictions at sub-seasonal to decadal scales
- **Co-design a series of case studies with organisations and industries that rely on accurate weather and climate forecasting**, to apply new modelling techniques to cutting-edge climate services
- Embed scientific developments and improved model capability within **international programmes**

Communication and dissemination strategy

- Communicate **new insights, results, messages, data, model improvements and storylines** to a community of stakeholders for whom understanding climate change and associated environmental trends and risks is imperative
- Reach out for targeted audiences with targeted messages and targeted tools!
- Liaise with JPI Climate, JPI Oceans, other H2020 projects (Arctic Cluster), Copernicus C3S, IPCC (AR6) and WMO (YOPP & PPP), Climate-KIC, and many others

Links with other EU projects



Website: www.blueaction.eu

Twitter: [@BG10Blueaction](https://twitter.com/BG10Blueaction)



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