

Who we work with...

Researchers and projects focussing on Arctic and northern hemisphere science, including ocean and atmosphere observations, modelling and climate services.

Governments and policymakers in need of weather and climate information for evidence-based decision-making.

NGOs, public sector bodies and community organisations affected by extreme weather events, climate services, forecasting and climate change.

Businesses and industries who rely on climate predictions, risk estimates of extreme weather and understanding climate events.



Contact us

 @BG10Blueaction

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www.blue-action.eu

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Understanding the impact of a
changing Arctic
on northern hemisphere weather and climate

About Blue-Action

We are all facing a changing climate.

Many of these changes are linked to the Arctic. The Arctic is warming twice as fast as other parts of the world. This affects weather and climate across the northern hemisphere and beyond.

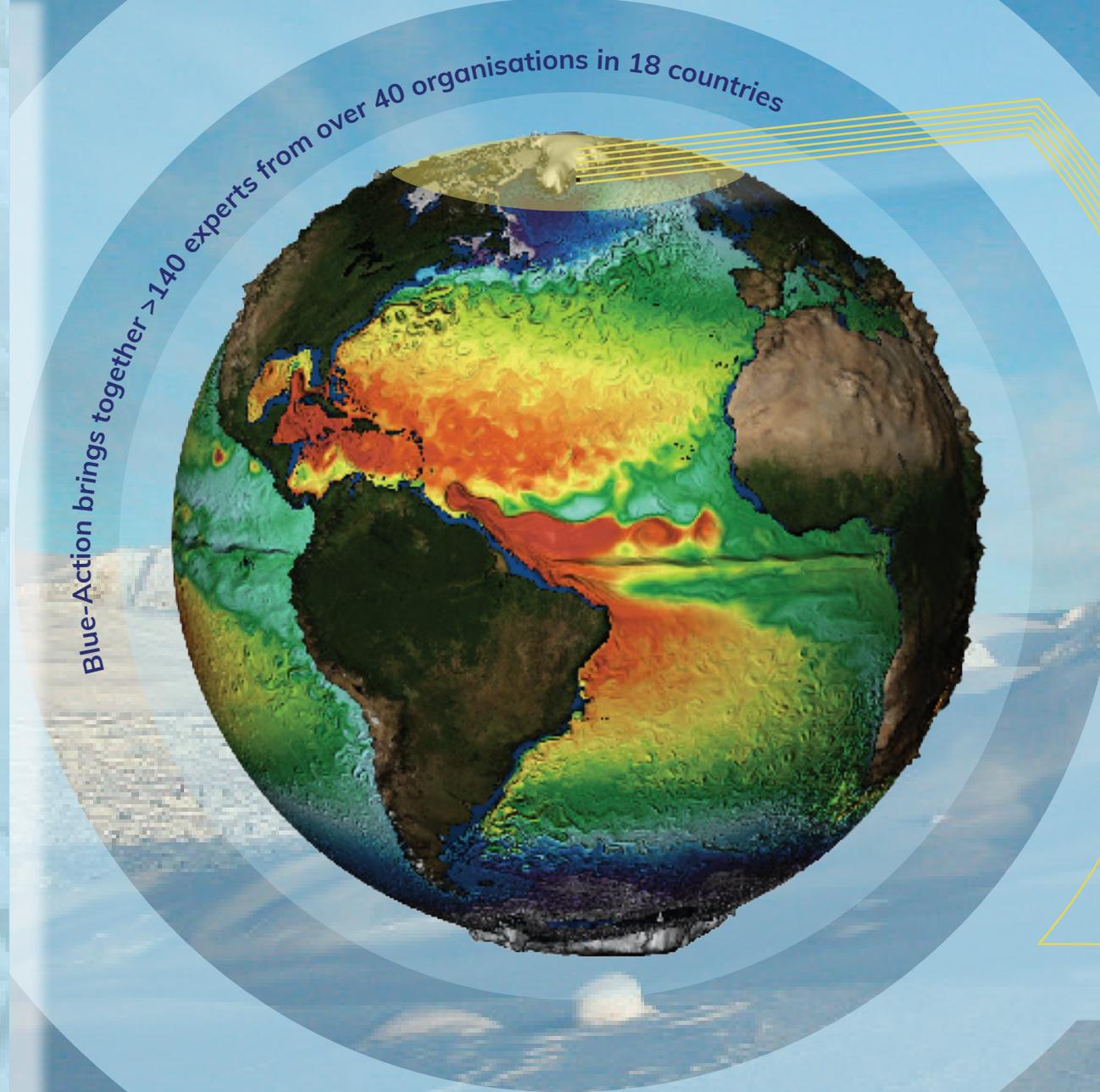
As individuals, businesses and policymakers, we need to understand and predict these changes so we can safeguard our health and wellbeing, support our communities and protect our environment.

Blue-Action is a collaborative European research project that is looking at the drivers of warming in the Arctic, and the subsequent impact on global climate.

We are developing and using advanced modelling techniques to improve the accuracy of forecasting, across timescales from a few weeks to decades.

Blue-Action is also working to understand the role of the Arctic in generating weather conditions that lead to hazardous conditions and climatic extremes.

Our aim is to improve the safety and wellbeing of people in the Arctic region and beyond, by sharing knowledge, reducing risks in Arctic operations, and supporting evidence-based decision-making by policymakers worldwide.



What Blue-Action aims to achieve...

Develop new methods to characterise climate conditions where hazardous weather systems form across the northern hemisphere.

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 climate services with organisations and industries that rely on accurate weather and climate forecasting, to turn model outputs into relevant information that can assist decision-making.

Work collaboratively with a community of stakeholders to share and develop new insights, results, and messages.

Embed scientific developments and improved model capability within international programmes through organisations including Copernicus C3S, IPCC and WMO (YOPP and PPP).