

# FROZEN ARCTIC CONSERVATION PROJECT

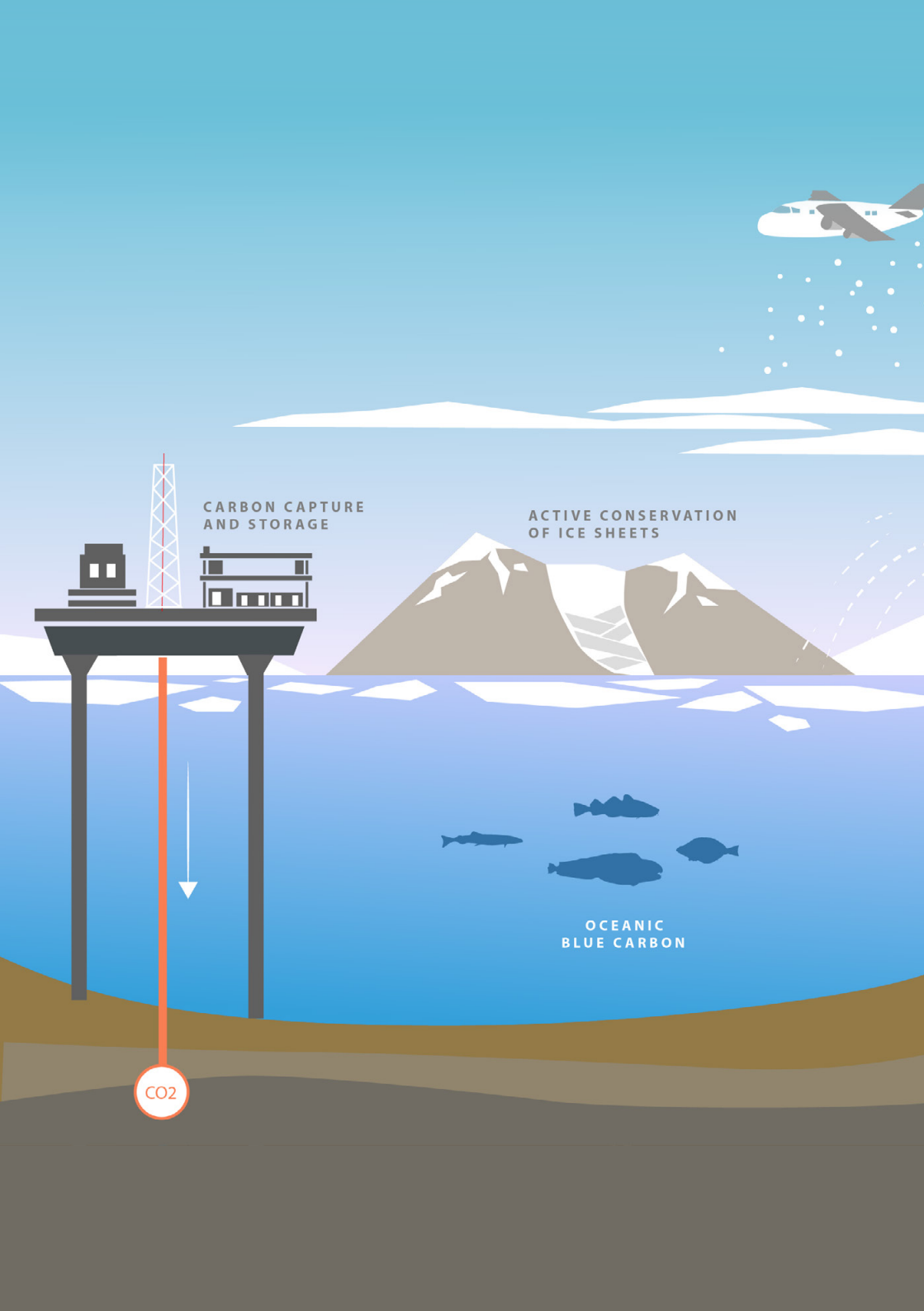
Solutions to slow down, halt, and reverse the effects of climate change in the Arctic and northern regions



**The Arctic is warming four times faster than the global average rate. Because the region contains several crucial tipping points, this warming not only causes major changes in local livelihoods and ecosystems, but also poses a serious threat to the rest of the world through massive sea level rise from melting ice caps, and rapid methane release from thawing permafrost.**

Given the urgency of the situation, a whole range of climate action measures have been suggested to slow down, halt, or even reverse the effects of climate change in the Arctic and northern regions – and to keep the Arctic frozen.

However, because these schemes range from serious research projects to back-of-the-envelope calculations, and no systematic overview study exists, there is a lack of clear understanding which projects could actually be feasible, timely, and deployable at scale.



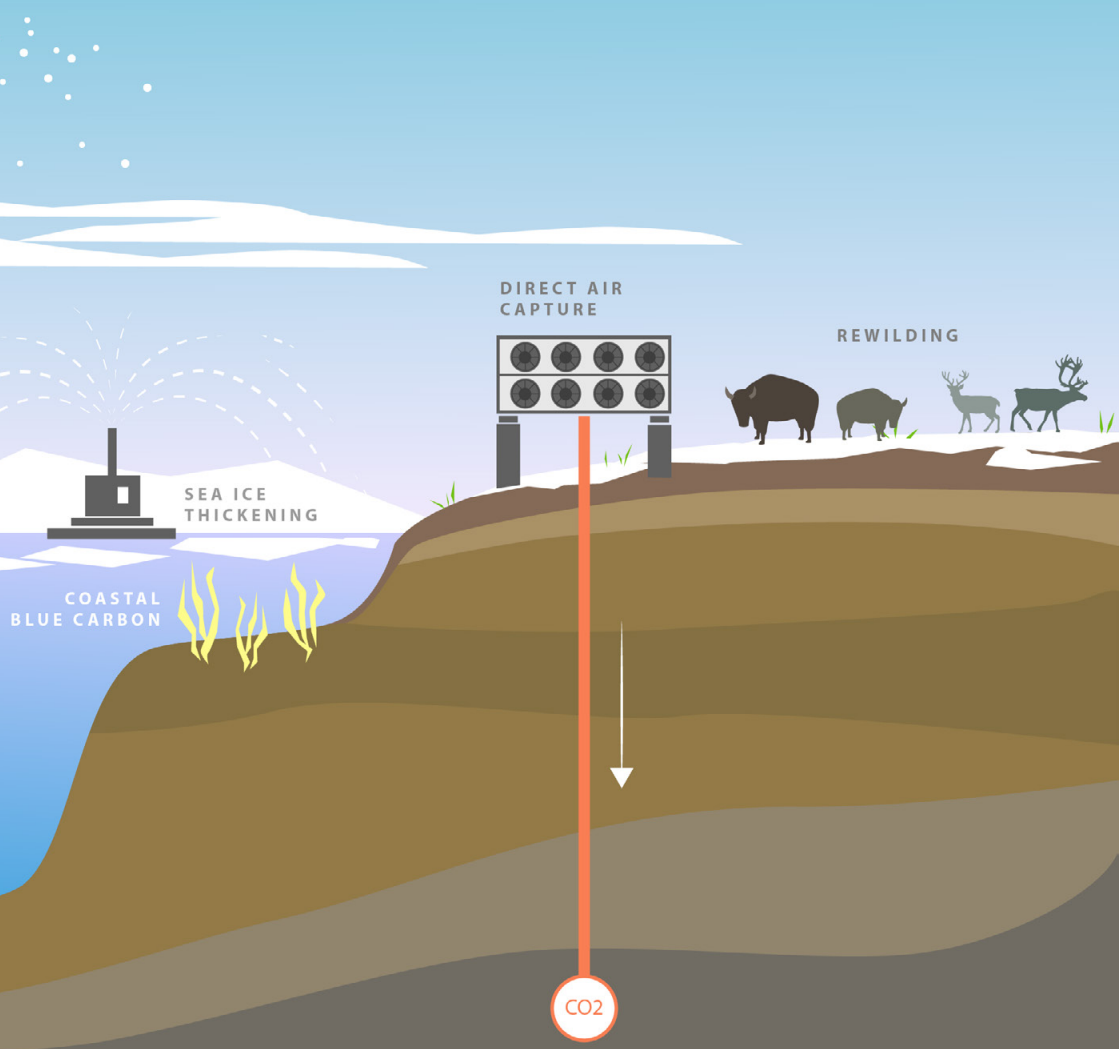
CARBON CAPTURE  
AND STORAGE

ACTIVE CONSERVATION  
OF ICE SHEETS

OCEANIC  
BLUE CARBON

CO2

CLOUD SEEDING



DIRECT AIR  
CAPTURE

REWILDING

SEA ICE  
THICKENING

COASTAL  
BLUE CARBON

CO<sub>2</sub>

**The Frozen Arctic Conservation project seeks to remedy this deficiency by collecting all the currently available climate action schemes, including the most obscure and extreme ones, and systematically evaluating them on the same metrics at the hand of the available literature.**

- In Phase I (currently underway), our evaluation will provide a clear initial overview of all the available options.
- In Phase II (planned for late 2023 and 2024), we will expand on this first evaluation by gathering leading experts to provide in-depth analyses of the most promising schemes – according to clear, understandable, bias-free, and comparable metrics.

In Phase II, we are partnering with leading scientists, the business community and with Indigenous organisations from across the Arctic.

**The project will provide clear policy recommendations for governments and organisations on which schemes are most effective and feasible, and worthwhile to pursue.**

To make this happen, we are seeking financial support to support this assessment, which we estimate will cost EUR. 250,000. Your support will contribute to the crucial task of providing much needed clarity on the means and methods that could help preserve the Arctic and prevent crucial global tipping points from being crossed.



© Jeff Kerby

**To support the Frozen Arctic Conservation project, please contact:**

Prof John C. Moore  
Arctic Centre, University of Lapland  
john.moore.bnu@gmail.com  
Tel: +358 400194850

Lars Kullerud  
President, University of the Arctic  
Lars.kullerud@uarctic.org  
+47 908 70 099



ARCTIC CENTRE  
University of Lapland

