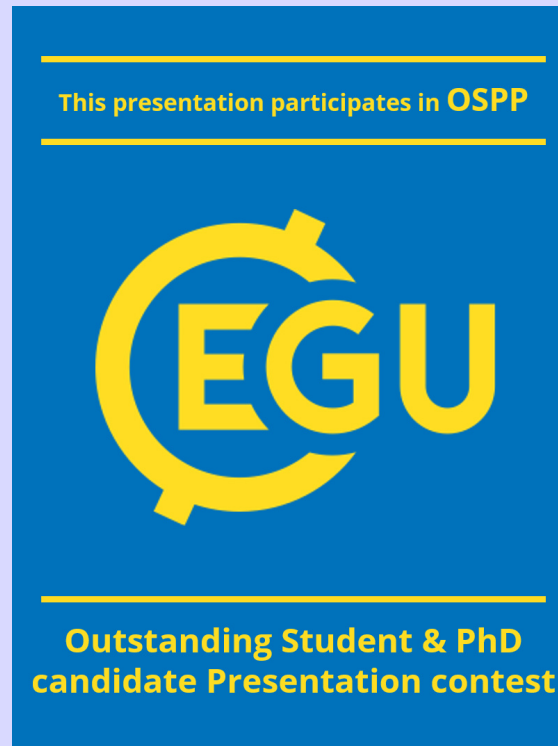


Building Arctic Resilience through Citizen Science and Artificial Intelligence in Marine Pollution Control



Victor Lion, Arnab Muhuri, Natascha Oppelt, Apostolos Papakonstantinou, Christine Liang, Barbara Jóźwiak, Adam Nawrot, Élise Lépy, and Thora Herrmann

Let the journey begin

- 1 ICEBERG is an EU-funded project assessing types, sources, distributions, and impacts of pollution on ecosystems and coastal communities in the Arctic. The **citizen science** aspect of ICEBERG focuses on **marine beach litter**.



We are using **time-lapse cameras and drones** for AI-driven monitoring and mapping of marine beach litter in collaboration with local and Indigenous communities.

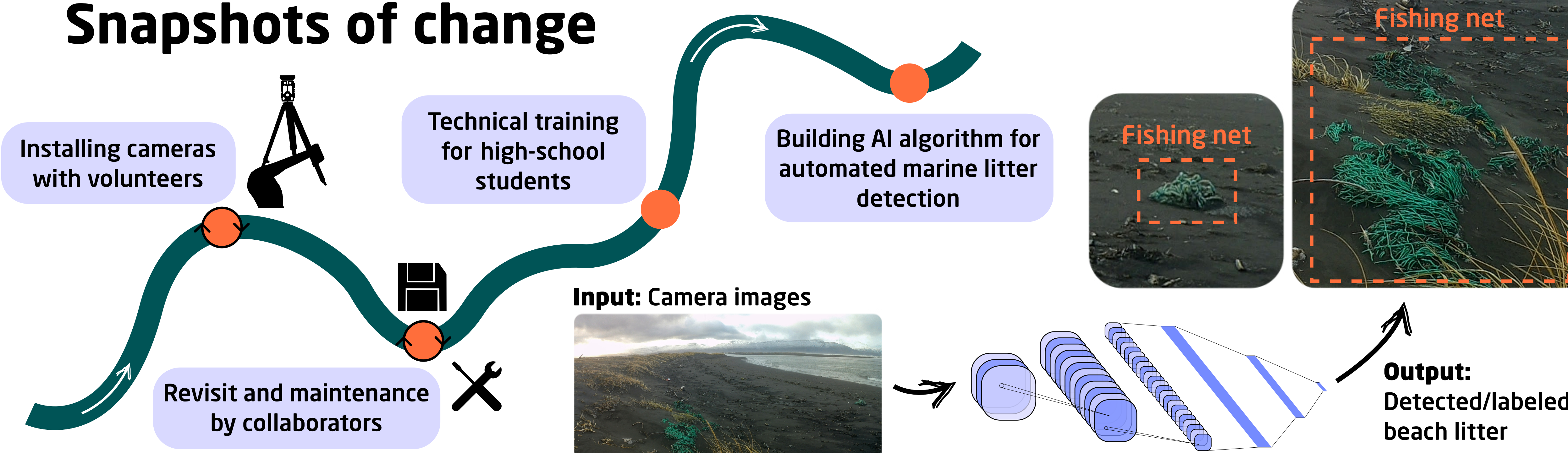


We held **community consultation meetings** for jointly exploring citizen science collaborations with Indigenous rightsholder and local stakeholders including farmers, fishermen, tourism operators, schools, NGOs among others.

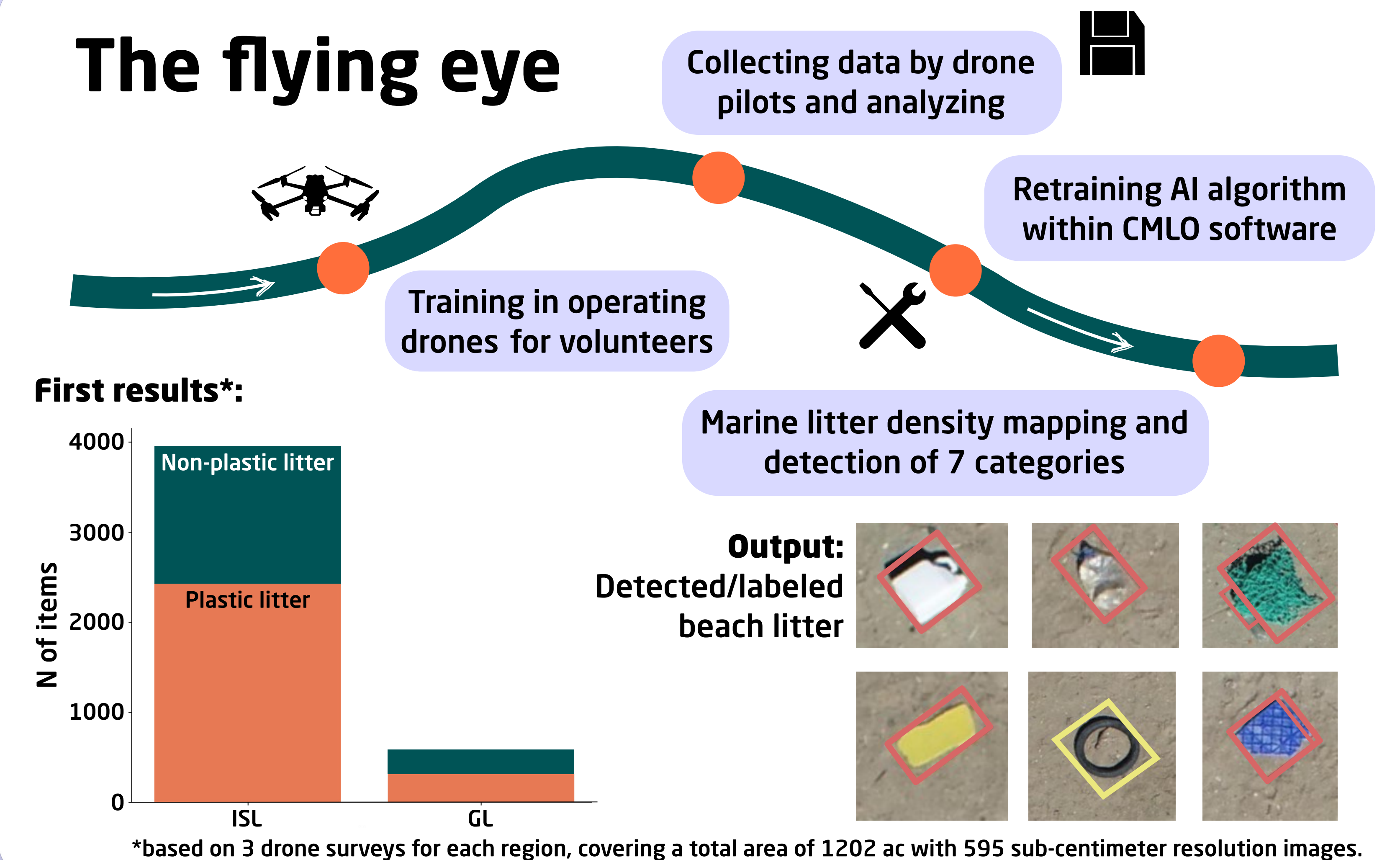
Where?



Snapshots of change



The flying eye



Take part!

- 1 Report your observations of environmental disturbances and pollution on ICEBERG's **community monitoring platform**. Access the platform:
- 2 The **essence of citizen science**: citizens and scientists working hand in hand to make the world a better place.



Let's connect!



Contact:
Victor Lion
lion@geographie.uni-kiel.de



Funded by
the European Union

ICEBERG

EOM
Kiel University
Earth Observation and Modelling

UNIVERSITY
OF OULU

UFZ
HELMHOLTZ
Centre for Environmental Research

CIAU
Christian-Albrechts-Universität zu Kiel
Mathematisch-Naturwissenschaftliche Fakultät

forScience

SCI
DRONES

Abstract:



Disclaimer: ICEBERG project has received funding from the European Union's Horizon Europe Research and innovation programme under Grant Agreement No 101135130. The views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.