

Mapping marine litter in the Norwegian and Russian Arctic Seas



Arctic Seas -MALINOR-



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«...a single one replaces them all: the whole world can be plasticized, and even life itself...» Roland Barthes in Mythologies (1957)

Primary objective:

To map areas of marine litter and describe its characteristics in the Norwegian Sea, Barents Sea, Kara Sea and the High Arctic with a multi-disciplinary approach in collaboration between Norwegian and Russian institutions

Secondary objectives:

1

To identify ongoing activities on this topic both in Norway and Russia



Photo Bo Eide

2

To extract data from the scientific and grey literature on the distribution of litter in the Norwegian and Russian Arctic

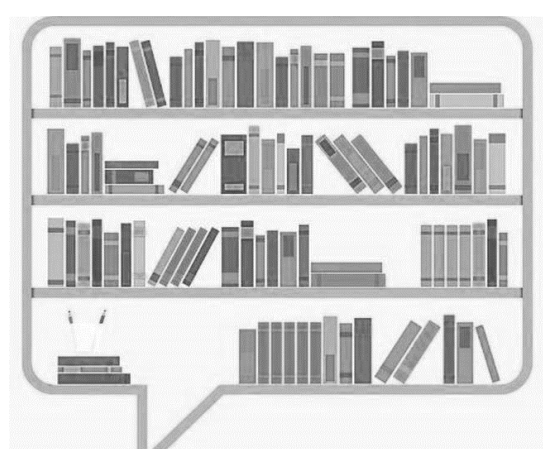


Photo Maria Gavrilo

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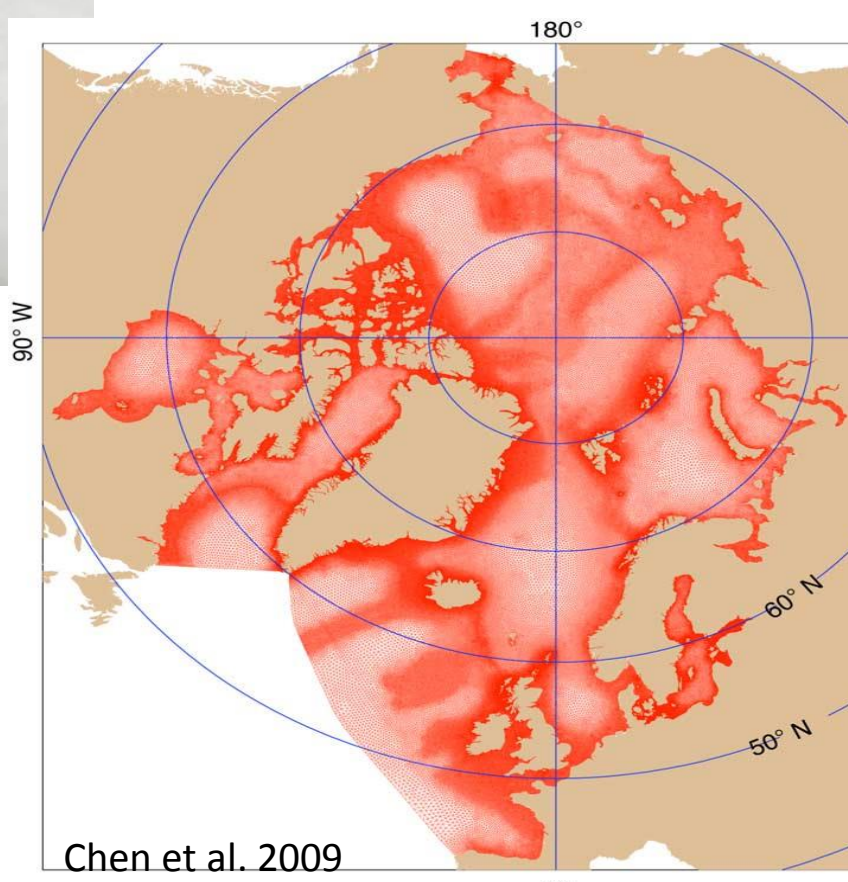
To build up a joint Norwegian-Russian database



Photo Kevin Morgan

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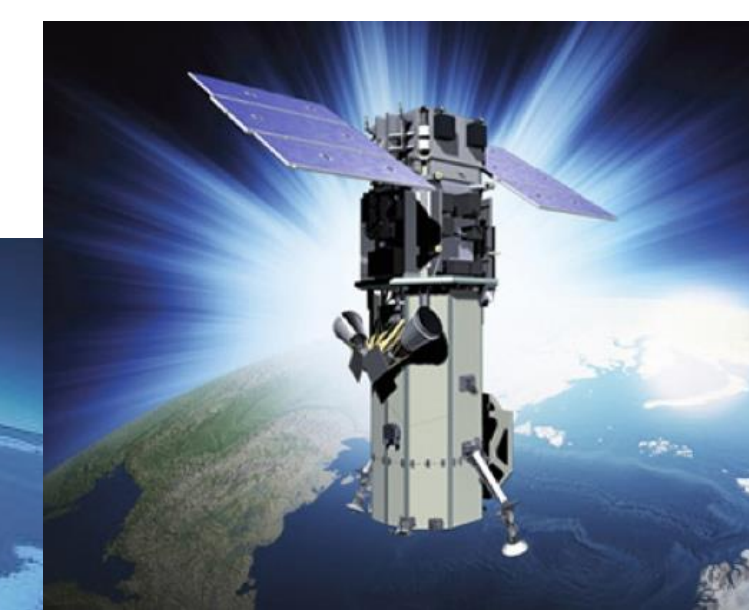
To perform mapping using multidisciplinary approaches: robotics, digital solutions, GIS



Chen et al. 2009

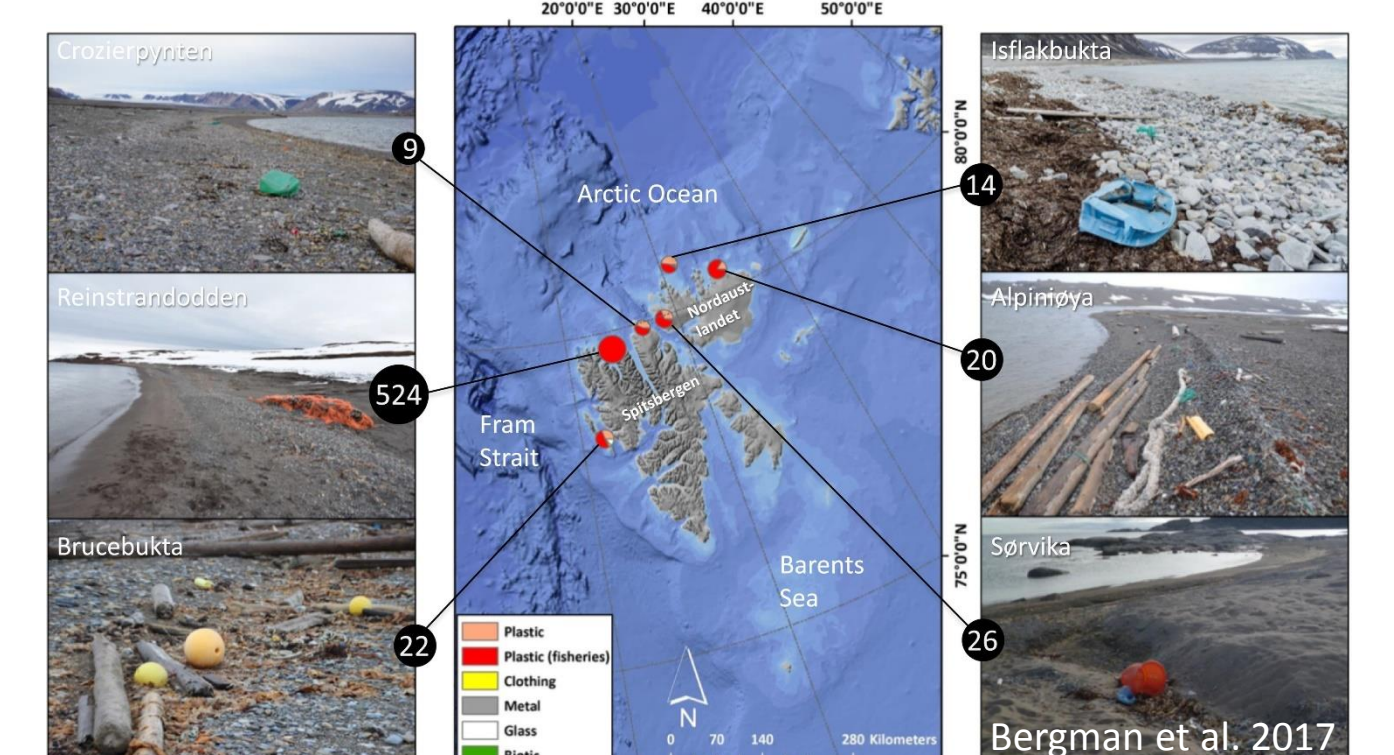
5

To develop a predictive tool for litter distribution using high resolution ocean model



LITTERATI

Join the community identifying, mapping, and collecting the world's litter.



Bergman et al. 2017



To disseminate the findings to students, public, civil industry, and policy makers in respective countries and globally

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References:
Chen, C. et al. (2009) Journal of Geophysical Research, vol. 114, doi:10.1029/2008JC004941
Bergmann, M., (2017) Marine Pollution Bulletin, http://dx.doi.org/10.1016/j.marpolbul.2017.09.055