

DRAFT STANDARD FORM C

Preliminary Cruise Report

Cruise name/number:	ED142408-TRYK
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Authorizations:

Coastal State	Authorization Document Number	National Participant(s)
Norway	24/4590	NA
United Kingdom (Shetland Islands)	47/2024	NA
Denmark (Faroe Islands)	JTHAV File No. 24/21819	NA
Iceland	UTN24030541	NA

Scientist in charge of reporting:

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Brief description of scientific objective:

The primary objectives of our research are to:

-Investigate microplastic and anthropogenic microfiber in the air and surface waters throughout our voyage on the *NG Endurance* with Lindblad Expeditions and National Geographic, including the surface waters/air along the expedition cruise track.

-Engage onboard guests and field staff as citizen scientists to complete the sampling, taking action to understand the problems our ocean faces and, in turn, be inspired to be part of the solutions.

-Further refine CSI for the Ocean's methods and equipment. This program was inspired by and uses forensic science methodology to utilize affordable equipment and accessible techniques so people of all ages can engage in meaningful and robust science that provides data that supports solutions to the problem of microplastic and anthropogenic microfiber pollution. Locations where these methods have been tested and deployed to date include the Hudson River in New York State, the Hawaiian Archipelago, Greenland, Arctic Svalbard, fjords of Norway, Falkland Islands, South Georgia and Antarctica. Using the same methods along the expedition route of the *Endurance* (Norway, Shetland Islands, Faroe Islands and Iceland) will provide valuable information for this growing global database.

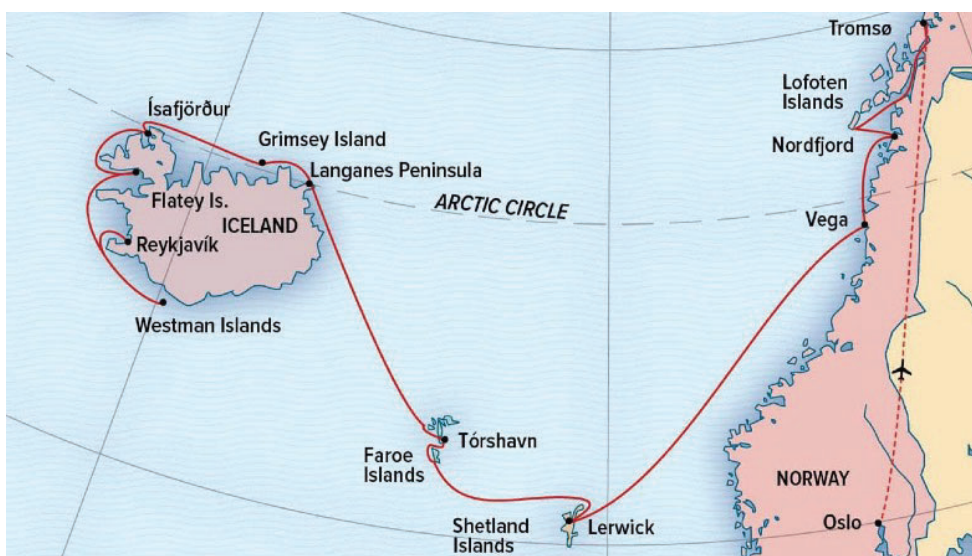
-Share the data from our sampling openly, making it accessible to community members, fellow scientists, and all stakeholders interested in microplastic and anthropogenic microfiber pollution.

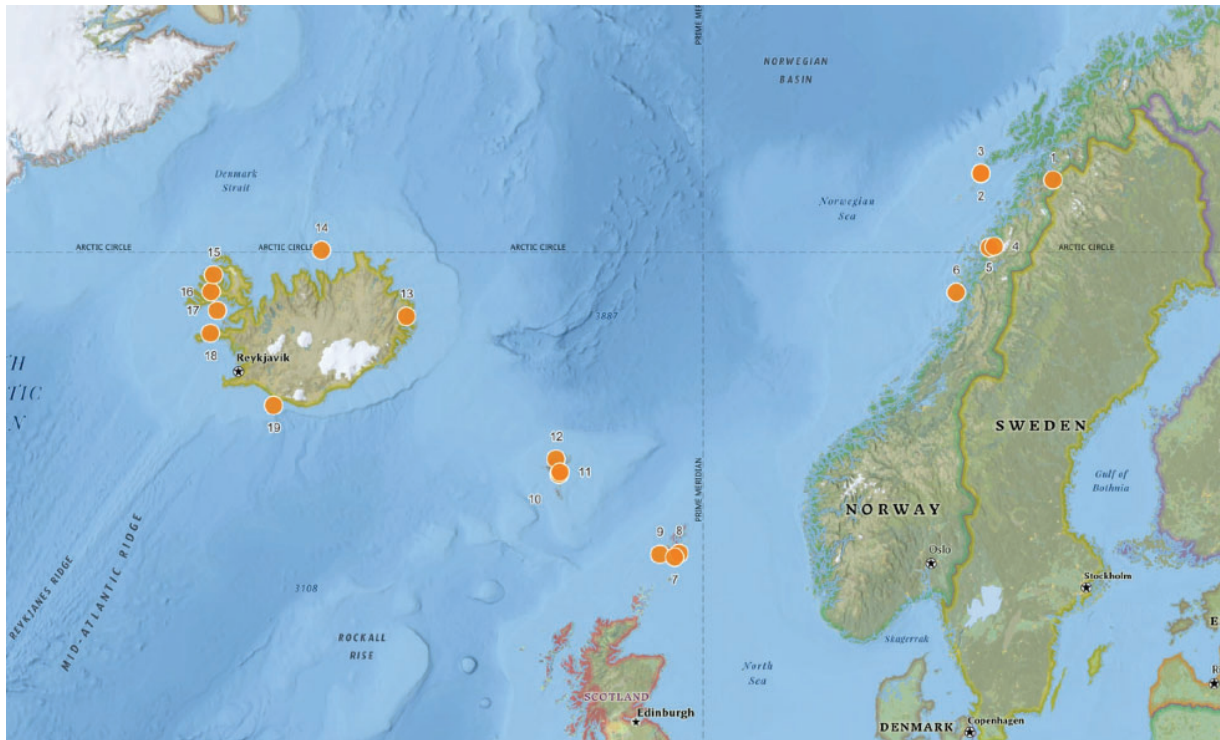
-Use the data from this expedition and beyond to underpin the development and deployment of solutions to microplastic and particularly microfiber pollution. Our global dataset, as it grows, will have the power to build the will and momentum for solutions that range from inspiring innovation in textile design and manufacturing (alternative materials such as outerwear made from algae, for example) to supporting regulation and policies to installing proper filters on laundry machines - both washers and dryers - to educating consumers on clothing care habits that reduce microfiber production and extend the life of their clothing. These are solutions that will benefit all of the coastal states we visit and beyond.

Update on anticipated dates for delivery of final results:

Metadata:	January 10, 2025
Raw Data:	January 10, 2025
Processed Data:	January 10, 2025
Data Analysis:	January 10, 2025
WODC Data Registration (if applicable):	NA

Append image or URL illustrating the route of the platform, locations where measurements were taken, and actual cruise track:





Sample sites: at each of these locations, one air sample and/or 2 x 1L surface water samples were taken. One location in the Faroes and one in Iceland did not have air samples taken. Total air samples: 17, total water samples 19 x 2 = 38.