



## Plastic in a Bottle: Live Map

### Invitation to Participate

[LINK TO LIVE MAP](#)

### Background

PAME launched the first “plastic in a bottle” capsule equipped with a GPS transmitter into the Atlantic on 12 September 2019. The aim of this effort is to demonstrate how marine litter and plastics may travel far distances into and out of Arctic waters. The GPS tracking of the capsule is demonstrated on the following [live map](#). This effort is a part of PAME’s work on marine litter in the Arctic and headed by the PAME Secretariat. This is seen as a great outreach tool to gain awareness and create an educational tool on the topics of marine litter in the Arctic. Once washed ashore, a message inside the bottle will instruct the finder what to do with the bottle.



The PAME Secretariat is seeking collaboration in launching additional capsules as follows:

- Partners to launch more capsules (to include funding of buying and delivery in the amount of 1000 EUR) for each capsule
- Ideas of strategic locations to launch the next capsules
- Partners who are travelling to these locations to launch the capsules on PAME’s behalf
- Outreach for the component by e.g. writing about this on websites (news story etc)
- Distribution of the map on websites with the HTML code for the live map:
  - Source: `src="https://gps.verkis.is/pame/`
  - Iframe: `<iframe style="border: 2px #ffffff none;" src="https://gps.verkis.is/pame/" name="Plastic in a Bottle" width="1100px" height="600px" allowfullscreen="allowfullscreen"></iframe>`

### About the project:

This first “plastic in a bottle” capsule was sent off from the Reykjanes peninsula by Guðmundur Ingi Guðbrandsson, Iceland’s Minister for the Environment and Natural Resources from the Icelandic Coast Guard vessel Thor in conjunction with the PAME II-2019

Working Group meeting in Reykjavík. Iceland holds the Chairmanship of the Arctic Council until 2021 and marine litter and plastics in the Arctic is one of its priorities.

Over the next few months the PAME Secretariat plans to launch additional capsules from different locations across the Arctic. The capsules were designed and built by Icelandic engineering firm Verkís. Every day, the GPS transmitter sends a signal allowing viewers to follow its journey in real time through an online map on the PAME website.

The PAME Secretariat has discussed different areas with experts on oceanography and meteorology and a leading expert in Iceland on ocean currents. According to them, one can expect an object like this capsule to not only be influenced by ocean currents, wind and waves play a significant role in its trajectory.

The PAME Secretariat has worked closely with Verkís staff in developing these capsules. Verkís has been involved in similar projects in the past and has seen its capsules travel thousands of miles across the Atlantic Ocean for well over a year – reaching Norway, Scotland and the Faroe Islands after being released from Iceland.

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