

# NOTIFICATION OF PROPOSED RESEARCH CRUISE

## Part A: GENERAL INFORMATION

**1. Name of research ship:** RV Anna Weber–van Bosse

**2. Cruise number:** 64AWVB104

**3. Cruise dates:** 03/06/2026 - 17/06/2026

**4. Operating authority:** NIOZ Royal Netherlands Institute for Sea Research  
Telephone (reception): (+31) (0)222-369300

**Operating agent:** NIOZ Royal Netherlands Institute for Sea Research  
Telephone (reception): (+31) (0)222-369300

**5. Owner:** NWO-i  
Institutes Organisation of the Dutch Research Council

### **6. Particulars of the ship:**

Name: Anna Weber–van Bosse  
Flag state: The Netherlands  
Overall length: 79,98 meters  
Max. draught: 5,5 meters  
Gross tonnage: 3480 T  
IMO nr: 9992919  
Call sign: PCNG

### **7. Crew:**

Name of master: L. Bliemer / H. Oenema  
Number of crew: 13

### **8. Chief scientist:**

Name: Matthew Humphreys  
Affiliation: NIOZ Royal Netherlands Institute for Sea Research  
Address: PO Box 59, 1790 AB Den Burg (Texel), the Netherlands  
Telephone: +31222369351  
Email: [matthew.humphreys@nioz.nl](mailto:matthew.humphreys@nioz.nl)

### **9. Contact information of the focal point:**

Name: Zeynep Erdem  
Affiliation: National Marine Facilities (NMF)  
NIOZ Royal Netherlands Institute for Sea Research  
Address: Landsdiep 4, 1797 SZ Den Hoorn, the Netherlands  
Telephone: +31 (0)222 369 421  
Email: [zeynep.erdem@nioz.nl](mailto:zeynep.erdem@nioz.nl)  
[CoordinatorNMF@nioz.nl](mailto:CoordinatorNMF@nioz.nl)

**10. Geographical area in which the ship will operate:**  
(with reference to latitude and longitude)

Eastern North Atlantic Ocean and northwest Mediterranean Sea  
35-65°N, 025°W-009°E

**11. Brief description of the purpose of the cruise:**

Testing accuracy of automated instruments that passively measure surface seawater properties (temperature, salinity, dissolved oxygen, partial pressure of carbon dioxide, total alkalinity and chlorophyll fluorescence) by running the instruments and comparing results with manual measurements in the laboratory of the same parameters on samples collected during the cruise.



**12. Dates of first entry and final departure from the state territorial waters:**

03/06/2026 – 04/06/2026

**13. Names and dates of intended ports of call:**

Starting port: Reykjavík, Iceland

End port: Genoa, Italy

**14. Any special logistic requirements at ports of call:**

No.

## Part B: DETAILS

**1. Name of research ship:** RV Anna Weber–van Bosse

**2. Cruise details:**

Expected Entry & Exit Points (within EEZ or territorial waters):

Entry: Cruise starts in Reykjavík on 03/06/2026

Exit: 60.0°N 21.7°W on 04/06/2026

Cruise duration: 03/06/2026 - 17/06/2026

Port Name(s) and ETA/ETD:

Starting port: Reykjavík, Iceland

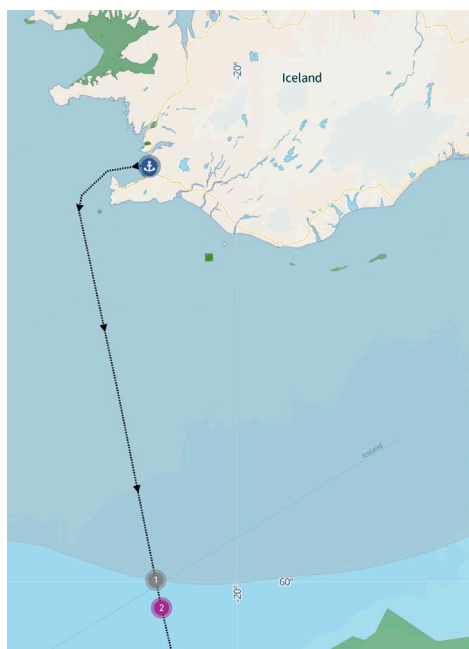
End port: Genoa, Italy

**3. Purpose of research and general operational methods:**

Testing accuracy of automated instruments that passively measure surface seawater properties (temperature, salinity, dissolved oxygen, partial pressure of carbon dioxide, total alkalinity and chlorophyll fluorescence). These instruments are connected to the underway surface seawater supply and they do not modify the seawater passing through.

The instruments will be run and seawater samples will also be collected and measured manually for the same parameters in the laboratory. Some of these samples will also come from the underway seawater supply while others will come from deep in the North Atlantic Ocean, outside any EEZs (collected with the CTD rosette) to enable cross-over analyses with previous cruises to check the accuracy of our measurements.

**4. Attach a chart showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations/hydrographic sections:**



The point marked 1 on the map above is the approximate exit point from Icelandic waters, not a sampling point. Surface water sampling will be conducted

continuously during the transit. No CTD water sampling stations will be conducted within the EEZ.

**5. Type of samples required:**

- ☒ Water Sampling
- ☐ Sediment Sampling
- ☐ Seafloor Mapping
- ☐ Instrument Deployment/Recovery
- ☐ Biological Sampling
- ☐ Subsurface Profiling
- ☒ Underway data acquisition (pCO<sub>2</sub>, Temperature, Salinity)
- ☐ Other:

**6. Methods by which samples will be obtained (including dredge/core/drill techniques):**

Collected from the underway seawater supply.

**7. Details of equipment deployments (installations, moorings, landers, and vehicles):**

(including dates of laying, servicing, method, and anticipated timeframe for recovery)

None.

**8. Indicate the nature and quantity of substances to be released into the marine environment:**

None.

**9. Indicate whether explosives will be used.**

(If yes, please specify type and trade name, Chemical content, depth of trade class and stowage, size, depth of detonation, frequency of Detonation, and position in latitude and longitude)

No.

**10. Entity(ies)/Participant(s) from the coastal state involved in the planning of the project:**

N/A.

**11. If designated as part of a larger-scale project, then provide the name of the project and the Organisation responsible for coordinating the project:**

N/A.

**12.If there are any relevant previous/future cruises, please give more information:**

N/A.

**13.Any previously published research data relating to the proposed cruise:** (Attach a separate sheet if necessary)

N/A.

**14.Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable:**

Yes.

**15.Whether it will be acceptable to carry on board an observer from the coastal state for any part of the cruise, and dates and ports of embarkation/-disembarkation:**

Yes, for the complete cruise.

**16. When research data from the intended cruise is likely to be made available to the coastal state, and if so, by what means:**

**Coastal State: Iceland**

Data will be released publicly (free and open source) online through the NIOZ institutional data archive system within 1 year of the end of the cruise.

**Complete the following table (indicate "Yes" or "No" if applicable)**  
**- Include a separate page for each coastal state in case research plans include more than one.**

# **SCIENTIFIC EQUIPMENT**

| Marine scientific equipment used               | Water depth (m) | Fisheries research | Distance of research to the coast in nautical miles |       |        |        |
|------------------------------------------------|-----------------|--------------------|-----------------------------------------------------|-------|--------|--------|
|                                                |                 |                    | <3                                                  | 3-12, | 12-50, | 50-200 |
| Passive sensing and sampling of surface waters | <5              | No                 | No                                                  | No    | Yes    | Yes    |

**List of intended sampling stations during the cruise:**  
(Lat/Long and water depth (m))

Continuous measurements with the underway system along the entire route.  
CTD station sampling will all be in international waters outside any EEZ.