

<b>CRUISE SUMMARY</b> <b>REPORT HERAS 2025</b>						<i>FOR COLLATING CENTRE USE</i>							
						Is data exchange restricted? Yes In part    No							
Name: TRIDENS    Call Sign: PBVO													
Type of ship: FISHERIES RESEARCH VESSEL													
CRUISE NO./NAME    2025   week 26-29   HERAS (North Sea Herring Acoustic Survey)													
CRUISE PERIOD   start         30          06          2025          to          24          07          2025 (set sail)   day       month       year                                       day       month       year													
PORT OF DEPARTURE (enter name and country) SCHEVENINGEN, THE NETHERLANDS													
PORT OF RETURN (enter name and country) SCHEVENINGEN, THE NETHERLANDS													
RESPONSIBLE LABORATORY enter name and address of the laboratory responsible for coordinating the scientific planning of the cruise.													
Name:       Wageningen Marine Research (WMR)													
Address:   P.O. BOX 68													
1970 AB IJMUIDENT													
HARINGKADE 1													
Country: THE NETHERLANDS													
CHIEF SCIENTIST(S) enter name and laboratory of the person(s) in charge of the scientific work (chief of mission) during the cruise.													
Bram Couperus, WMR.													

OBJECTIVES AND BRIEF NARRATIVE OF CRUISE enter sufficient information about the purpose and nature of the cruise so as to provide the context in which the reported data were collected.

The Dutch Institute Wageningen Marine Research (WMR, previously IMARES) has participated in the international North Sea acoustic survey for herring since 1991. The other participating countries in this survey are Scotland, Norway, Germany, Denmark and Ireland. The survey is part of the EU data collection framework (DCF) and is coordinated by the ICES Working Group for International Pelagic Surveys (WGIPS). The aim of this survey is to provide an abundance estimate of the whole North Sea herring population. This estimate is used as a tuning index by the ICES Herring Assessment Working Group (HAWG) in its assessment of the population size. In this report the results for the survey in the central North Sea, as carried out by the Dutch vessel R/V Tridens, are presented. The area covered is therefore limited to the biological strata covered by the Dutch research vessel Tridens. As a consequence, the presented size and composition of the herring and sprat stock is independent from the remainder of the North Sea. For the estimation of the total North Sea stocks, the acoustic and biological data of all participating countries will be uploaded to the ICES acoustic database and used by WGIPS to carry out an integrated analysis using the software StoX. As the biological strata in the integrated analysis will be based on biological samples in the whole North Sea, the results for the Tridens area will differ from the results presented in this report.

PROJECT (IF APPLICABLE) if the cruise is designated as part of a larger scale cooperative project (or expedition or programme), then enter the name of the project, and of the organisation responsible for coordinating the project.  
Project name: North Sea Herring Acoustic Survey (HERAS)

Coordinating body: WMR, Wageningen Marine Research

PRINCIPAL INVESTIGATORS: Enter the name and address of the Principal Investigators responsible for the data collected on the cruise, and who may be contacted for further information about the data (The letter assigned below against each Principal Investigator is used on pages 2 and 3, under the column heading 'PI', to identify the data sets for which he/she is responsible)

Bram Couperus

MOORINGS, BOTTOM MOUNTED GEAR AND DRIFTING SYSTEMS				
PI	APPROXIMATE POSITION		DATA TYPE	DESCRIPTION
see top  of page	LATITUDE		enter code(s) from list on  cover page	identify, as appropriate, the nature of the instrumentation, the parameters (to be) measured, the number of instruments and their depths, whether deployed and/or recovered, dates of deployment and/or recovery, and any identifiers given to the site.
	deg	min N/S		
		deg	min E/W	

#### MOORINGS, BOTTOM MOUNTED GEAR AND DRIFTING SYSTEMS

PI	APPROXIMATE POSITION	DESCRIPTION
		their depths, whether deployed and/or recovered, dates of deployment and/or recovery, and any identifiers given to t
Station-id	ICES-rectang latitude longitude	site.

GENERAL OCEAN AREA(S): Enter the names of the oceans and/or seas in which data were collected during the cruise - please use commonly recognised names (see, for example, International Hydrographic Bureau Special Publication No. 23, 'Limits of Oceans and Seas')

NORTH SEA

**SPECIFIC AREAS:** If the cruise activities were concentrated in a specific area(s) of an ocean or sea, then enter a description of the area(s). Such descriptions may include references to local geographic areas, to sea floor features, or to geographic coordinates.

**GEOGRAPHIC COVERAGE - INSERT 'X' IN EACH SQUARE IN WHICH DATA WERE COLLECTED**

*Transects and trawl stations during HERAS  
2025 30 June-24 July 2025.*

Hydro Acoustic data: 1835 Nmi (3396 km)

Hydrographical data: 34 CTD downcasts

Catch data: 29 stations with pelagic trawl

- Numbers by species, length frequency

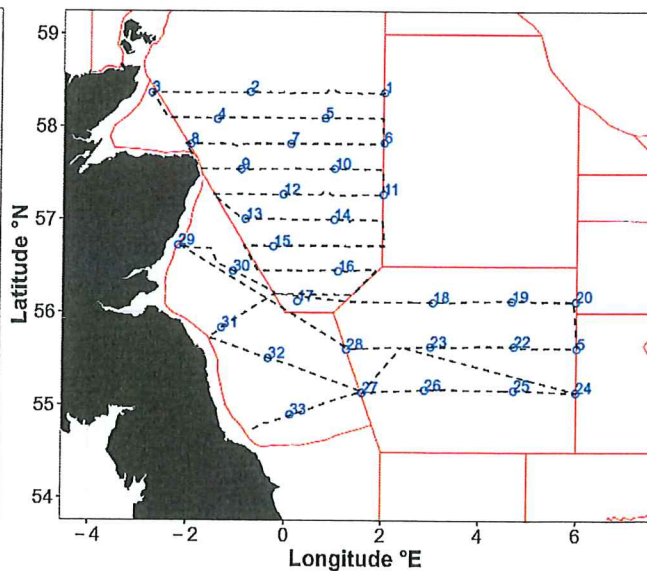
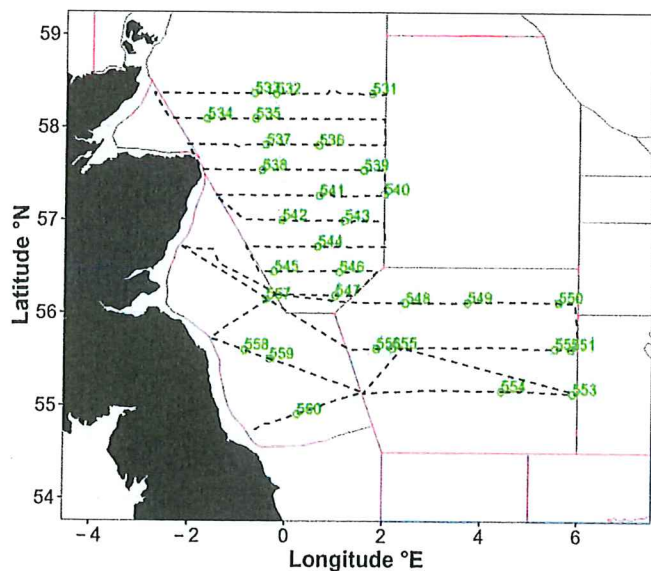
Biological data:

- Length, weight, maturity, age:  
766 herrings, 152 sprats

Marsden squares: 181 (50.0, 60.0, -10.0, 0.0)

216 (50.0, 60.0, 10.0, 0.0)

Bounding Box:      West    East      South    North  
                         -6        6        54        59



*Sailed transect hauls carried out (left) and CTD stations (right). The trawlnumbers are the last three digit of the WMR sample-ID's used for this survey: 54000331 – 54000359.*