

**Norwegian Hydrographic Service**

**and**

**[Contractor]**

**APPENDIX A**

**The Work**

**MAREANO Programme**

**14.01.2022**

# 1 The Work

The Norwegian Hydrographic Service invites companies to a competition for data acquisition and processing of multibeam echosounder (MBES) bathymetry and sub bottom profiler (SBP) high resolution seismic for the MAREANO programme.

In addition, there are two options

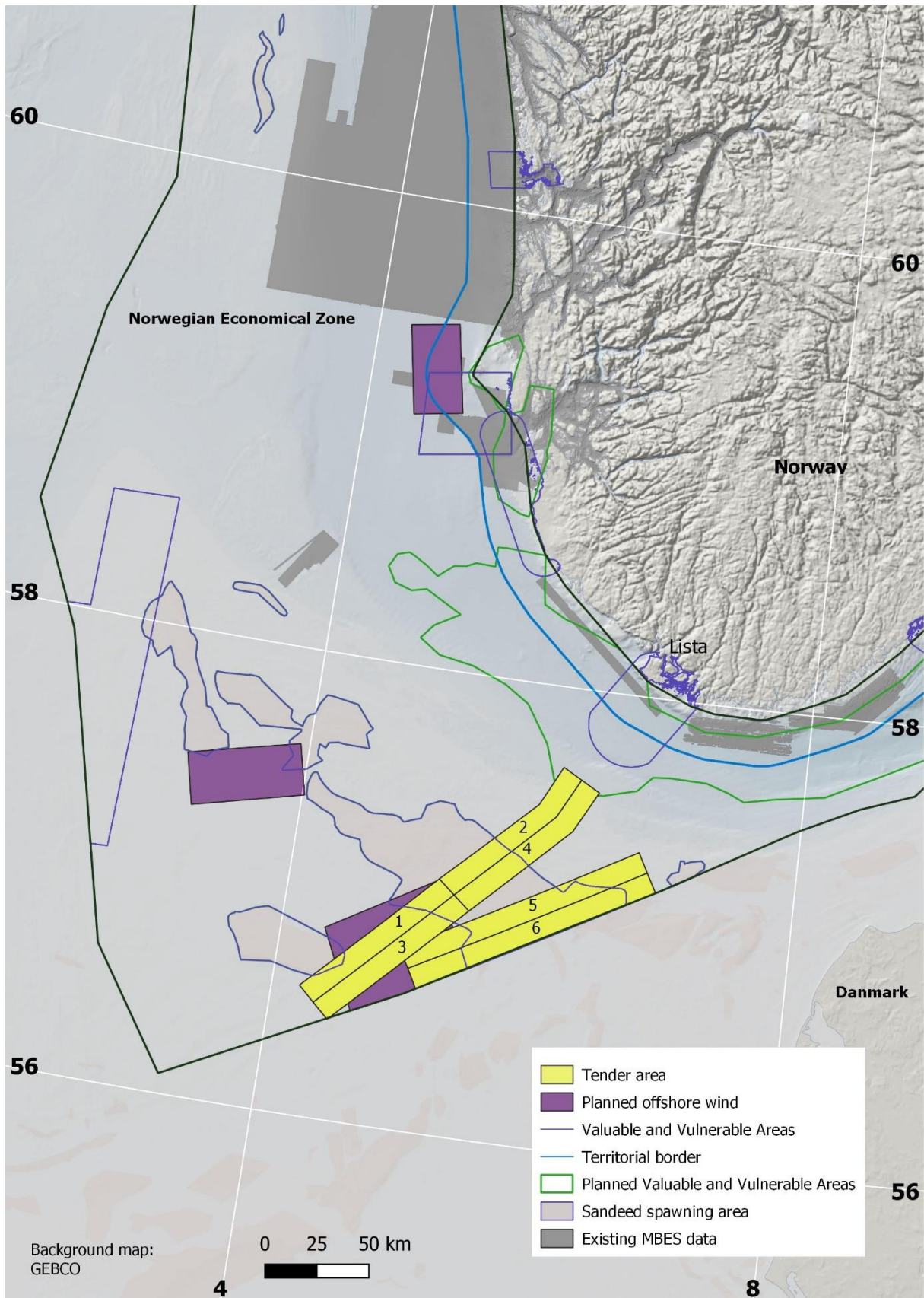
1. Option to an extended area for MBES bathymetry data acquisition
2. Option for acquisition of a gravimeter supplied by NHS

The plan is to have continuous field activity collecting bathymetry data within an area of about 6000 km<sup>2</sup> in the North Sea (fig.1). The actual area of the seafloor to be surveyed will depend on the offers received.

The areas must be prioritised as mentioned in the [price form.xlsx](#). If an area is not surveyed in total, the surveying must start in the southwest and going northeast. The areas are divided for tender evaluation purpose, under surveying the contractor can divide the areas in other blocks if appropriate, see also [appendix B, section 8.4](#).

Due to the shallow depth conditions and proximity to land, the NHS assumes that the assignment can be solved both in the traditional way with a larger vessel, possibly in combination with unmanned surface vessel (USV), or as a pure USV operation with one or more USVs.

Multibeam bathymetry data acquisition shall also be undertaken during transit lines to the survey site and between survey sites as long as transit lines are outside territorial borders. Data from transit lines shall be collected to contribute to crowdsourcing initiatives. Data collected during transit lines shall be delivered “as is” and separated from the ordinary deliveries. There are no technical or processing requirements for the transit lines. Any extra price for this service shall be included in the price for the regular work.



**Figure 1 Overview of the tender areas in the North Sea and showing planned offshore wind and valuable and vulnerable areas**