

Call for ship time

1. Principal Investigator Contact Information

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| Your full name: Click or tap here to enter text. | Affiliation: Click or tap here to enter text. |
| Email:Click or tap here to enter text. | Your position/role: Click or tap here to enter text. |
| Early career researcher:1 Yes [ ] No [ ] If yes, add year of PhD completion: Click or tap here to enter text. |
| Gender:Gender balance of SWERVE users is a metric that we must report on to our funders. This is the only reason we collect this information.Female [ ] Male [ ] Unspecified gender [ ]  |

Add below Co-Investigator information if required:

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| Your full name: Click or tap here to enter text. | Affiliation: Click or tap here to enter text. |
| Email:Click or tap here to enter text. | Your position/role: Click or tap here to enter text. |
| Early career researcher1 Yes [ ] No [ ]  |

1 Within 11 years of PhD completion

2. Project Information

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| Project title: Click or tap here to enter text. |
| Project summary characters: *(Max 1500 characters, including one figure if desired)*Click or tap here to enter text. |
| Detailed Scientific Rationale: *(Maximum 6000 characters, including one figure if desired)* Click or tap here to enter text. |

3. Funding
This section is to understand how the research you will undertake is funded, and to ensure you have funds to cover any additional costs including post-voyage research/analysis costs. For information on potential additional costs (i.e. fuel, food), please go to [Ship-Time – SWERVE](https://swerve.se/ship-time-funding/).

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| Does the project have research funding from a Swedish or other funding body, for the research that is being proposed (i.e. for additional voyage costs, salaries, post processing of samples etc.) Yes [ ] No [ ] If yes, please provide name, grant number and years of funding:Click or tap here to enter text.What is the funding designated for? Click or tap here to enter text. |
| Is the funding secured or are you waiting decision? Pending [ ] Secured [ ]  | If the funding is pending, please specify when the decision will be made: Click or tap here to enter text. |

4. Voyage Impact

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| What kind of scientific impact do you expect from the outcome of your voyage? 1Click or tap here to enter text. |
| What kind of societal impact do you expect from the outcome your voyage? 1Click or tap here to enter text. |
| Expected voyage output/products (i.e. publications, reports)Click or tap here to enter text. |
| Please specify your Data Management Plan (max. 3000 characters) 2Click or tap here to enter text. |

1 Impact is different to output. Please specify here, how you see your research impacting the scientific field, and society more generally. 2 Please see more information regarding this on the SWERVE website [Data Infrastructure – SWERVE](https://swerve.se/?page_id=26660).

5. Voyage location

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| Please attach a map detailing the study area and sampling site. Please also indicate if the study site is flexible or must be at that location.Click or tap here to enter text. |
| Please outline your intended sampling plan, including planned latitude and longitude and sampling types if possible (table format preferred).Click or tap here to enter text. |
| Will your sampling take place in any restricted areas (i.e. MPA, National Park, Natura 2000)? Yes [ ] No [ ] Please provide details:Click or tap here to enter text. | Will your voyage require transition through, or sampling in waters of a nation other than Sweden? Yes [ ] No [ ] Please list the countries:Click or tap here to enter text. |
| Please provide any other comments you want to make: Click or tap here to enter text. |

6. Voyage dates

Please see the website for ship schedules [Ship Schedules – SWERVE](https://swerve.se/?page_id=26658)

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| Earliest acceptable Science Start Date:Click or tap to enter a date.Latest acceptable Science Start Date: Click or tap to enter a date. | Preferred science start date: Click or tap to enter a date.Preferred science end date: Click or tap to enter a date. |
| Are there any date(s) to avoid? Yes [ ] No [ ] If yes, which ones? Between Click or tap to enter a date.& Click or tap to enter a date. | Minimum number of days needed: Click or tap here to enter text. |
| If there are any date constraints to your voyage, please explain the reason.Click or tap here to enter text. |
| Planned daily operations: 12 h [ ] 24 h [ ]  |

7. Voyage participants

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| Preferred number of voyage participants: Click or tap here to enter text. | Minimum number of voyage participants: Click or tap here to enter text. |

8. Equipment

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| Preferred port of mobilisation: Click or tap here to enter text. | Preferred port of demobilisation: Click or tap here to enter text. |
| Time required for mobilisation1: Click or tap here to enter text. | Time required for demobilsation2:Click or tap here to enter text. |
| Please indicate time limitations and assistance requirements for mobilisation and demobilisation: Click or tap here to enter text. |
| Would it be possible to reverse the order of the ports? Yes [ ] No [ ] Comment: Click or tap here to enter text. |
| If applicable, indicate your preferred choice(s) of vessel(s).SWERVE vessels: R/V Electra, KBV 181, R/V Ocean Surveyor, R/V Skagerak and R/V Svea. 1) Click or tap here to enter text.2) Click or tap here to enter text.3) Click or tap here to enter text.Please provide justification to your selection: Click or tap here to enter text. |

1 This refers to the time for preparation/installation of your equipment for your voyage whilst in port.
2 This refers to the time you will need for the removal of your equipment/samples after your voyage whilst in port.

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| Carry-on equipment 1Please provide details of any large or specialised equipment that you would need to bring on board on your voyage. Please provide as much information as is possible at this stage.  |
| Name  | Quantity  | Contents/Usage  | Dimensions (mm)  | Weight (kg) | Weight in water (kg) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
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| Provide any additional information on your equipment, including specific (de-)mobilisation, handling and storage requirements. |

1 At this stage please select only major equipment that will impact on the voyage preparations.

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| Carry-on Chemicals or consumables  |
| Name of the chemical  | UN number of the chemical  | Amount  | Storage requirements  |
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| Ship-based equipment needed for your voyage: |
| Vessel | Equipment  | Details | Parameter |
| Skagerak | Multibeam | Kongsberg EM 2040 0.4x0.7 degree dual RX/single swath, 200/300/400 kHz with EM16 Hull Unit | Bathymetry |[ ]
| Skagerak | Sub-bottom Profiler | Kongsberg Topas PS40  | Sedimentary layers |[ ]
| Skagerak | USBL positioning | Kongsberg HiPAP 501, transponders |  |[ ]
| Skagerak | Gyro/Motion reference | Kongsberg MRU 5+ (SeaPath 330+) |  |[ ]
| Skagerak | ADCP | RDI, Ocean Surveyor 150/600 kHz | Ocean current |[ ]
| Skagerak | Ferrybox | Jena engineering -4H- | Salinity, temperature, oxygen, fluorescense, turbidity (phycocyanine + chl-a) |[ ]
| Skagerak | CTD | Sea-Bird, SBE911 and SBE 32, 24 bottles incl. turbidity, fluorescence, oxygen and PAR | Salinity, temperature, turbidity, fluorescence, oxygen |[ ]
| Skagerak | Weather station | Observator, Kipp & Zonen | Wind speed & direction, Air pressure, temperature, humidity, PAR, Pyranometer |[ ]
| Skagerak | RIB boat | Rupert R5, 5.1m x 2.5m; Suzuki 90hp, max 5 people  |  |[ ]
| Skagerak | Cold container laboratory | 10ft, temperature-controlled container for experiments and storage |  |[ ]
| Skagerak | AUV Launch and Recovery system + control system | Request details |  |[ ]
| Skagerak | Gemini corer | Sediment sampling |  |[ ]
| Skagerak | GMAX corer  | Sediment sampling |  |[ ]
| Skagerak | Box Corer | Sediment sampling |  |[ ]
| Skagerak | Plankton net | KC Denmark Plankton net, Mesh size200 μm |  |[ ]
| Skagerak | Multicorers x 2 | 8 corers system |  |[ ]
| Skagerak | Multi net | Hydrobios Multi net, Type Maxi  | 5 nets, 0.5m2 |[ ]
| Skagerak | ROV | Blue Robotics, BlueROV2, 100 meter depth | Video |[ ]
| KBV 181 | CTD | Sea-Bird, SBE911 and SBE32, 12 bottles incl. oxygen and PAR. | Salinity, temperature, oxygen, PAR |[ ]
| KBV 181 | Ferrybox | 4HJena engineering. | Temperature, salinity, chl-a, turbidity, pH, pCO2 |[ ]
| KBV 181 | Weather station | From Vaisala with sensors for meteorology and radiation. | Air temp, air pressure, humidity, wind, PAR |[ ]
| KBV 181 | Gemini corer | Sediment sampling |  |[ ]
| KBV 181 | Van Veen | Sediment sampling |  |[ ]
| KBV 181  | Sediment scraper | Sediment sampling |  |[ ]
| Electra | Multibeam | Kongsberg EM 2040 0.4x0.7 degreedual RX/single swath, 200/300/400 kHz with EM16 Hull Unit |  |[ ]
| Electra | Subbottom | Topas PS40 |  |[ ]
| Electra | Midwater split-beam sonar | EK80, 70 kHz/200 kHz |  |[ ]
| Electra | Gyro/Motion reference | Kongsberg MRU 5+ (SeaPath 330+) |  |[ ]
| Electra | SVS (Sound velocity sensor) | Valeport MiniSVS |  |[ ]
| Electra | Profiler | Workhorse Mariner 600 kHz |  |[ ]
| Electra | CTD | Sea-Bird, SBE911 12x5 l, oxygen, turbidity, CDOM, ChlA and PAR |  |[ ]
| Ocean Surveyor  | GNSS and Gyro/motion | Seapath 330+ Kongsberg MRU5+. Positioning system |  |[ ]
| Ocean Surveyor | RTK | Real time korrektions from SWEPOS for centimeter precision positioning. |  |[ ]
| Ocean Surveyor | USBL | HiPaP 502. Under water positioning system. Requires additional SGU Surveyor |  |[ ]
| Ocean Surveyor | GI-Gun | Sercel 201 airgun. Seismic source system. Requires additional SGU Surveyor |  |[ ]
| Ocean Surveyor | Multi-channel streamer | Geometrics LH-16 digital 56-channel 175 meter long towed seismic streamer recording system. Requires additional SGU Surveyor |  |[ ]
| Ocean Surveyor | Sub-bottom profiler | Ixsblue Echos 3500 T3. Requires additional SGU Surveyor |  |[ ]
| Ocean Surveyor | Parametric sub-bottom profiler  | Topas 120. Requires additional SGU Surveyor |  |[ ]
| Ocean surveyor  | Echo sounder  | Simrad ES60 Hydroacoustic system |  |[ ]
| Ocean surveyor  | Multibeam echo sounder | EM 2040 Dual receiver. Requires additional SGU Surveyor |  |[ ]
| Ocean surveyor  | Gravity corer (1 m) | Soft sediment corer. |  |[ ]
| Ocean surveyor  | G-Max corer (1 m) | Soft sediment corer for environmental and geokemical analysis. For X-ray of sediment. |  |[ ]
| Ocean surveyor | Orange peel bucket (OPB) | Intermediate to course sampling sampler |  |[ ]
| Ocean Surveyor | Van Veen | Intermediate sediment sampling |  |[ ]
| Ocean surveyor | Box corer  | Soft sediment corer for environmental and geokemical sediment sampler |  |[ ]
| Ocean surveyor | Gravity corer (6 m) | Soft sediment sampling sampler |  |[ ]
| Ocean surveyor | Vibro corer (6 m) | Intermediate Sediment sampling sampler |  |[ ]
| Ocean surveyor | CTD-probe | Measures conductivity, temperature and density of the water column. |  |[ ]
| Ocean surveyor | Underwater camera | Drop underwater still and video camera system with floodlights, laser scaler, doppler sonar, oxygen sensor. |  |[ ]
| Ocean surveyor | Underway SVP cast system | AML 350. Measuers sound velocity and temperature of the water column on the way. |  |[ ]
| Ocean surveyor | Sediment X-ray | X-ray of sediment from G-Max. Sediment analysis system |  |[ ]
| Ocean surveyor | Gamma spectrometer | Detection of Cesium-137 for determining sedimentation rate. |  |[ ]
| Svea | [Scientific echo sounder](https://www.kongsberg.com/discovery/products/ocean-science/ocean-science/es_scientific/ek80/) | [EK80, 10-500 kHz](https://www.kongsberg.com/discovery/products/ocean-science/ocean-science/es_scientific/ek80/), in drop keel and in ROTV (Focus 2), remotely operated towed vehicle |  |[ ]
| Svea | [Multibeam sonar](https://www.simrad.com/ms70) | [MS70](https://www.simrad.com/ms70), in drop keel |  |[ ]
| Svea | [Multibeam echo sounder](https://www.kongsberg.com/maritime/about-us/news-and-media/news-archive/2020/em-2040-mk-ii/) | [EM2040](https://www.kongsberg.com/maritime/about-us/news-and-media/news-archive/2020/em-2040-mk-ii/), in drop keel |  |[ ]
| Svea | [Multibeam echo sounder](https://www.simrad.com/me70) | ME70, in drop keel  |  |[ ]
| Svea | Sonar  | Long range, low frequency fish finding Sonar. SX90 (20-30 kHz) |  |[ ]
| Svea | Sonar | [High resolution, high frequency fishery sonar SH90 (110-120 kHz)](https://www.simrad.com/sh90) |  |[ ]
| Svea | HI-PAP & SSBL/USBL | HI-PAP and underwater navigation system for acoustic positioning and navigation of e.g. remotely operated underwater vehicles, (SSBL/USBL) |  |[ ]
| Svea | ADCP | Acoustic Doppler Current Profiler. 150 kHz, in drop keel. |  |[ ]
| Svea | ADCP | Acoustic Doppler Current Profiler. 600 kHz, in drop keel. |  |[ ]
| Svea | [Model Triaxus](https://www.macartney.com/what-we-offer/systems-and-products/rotv/triaxus/) | Used for CTD profiling and is designed to undulate between 1 and 350 meters. |  |[ ]
| Svea | [Model Focus 2](https://www.macartney.com/what-we-offer/systems-and-products/rotv/focus-2/) | Used for echo sounders and can be held at a fixed depth. |  |[ ]
| Svea | MDM500 | Centralized storage system for many different types of sensor onboard. |  |[ ]
| Svea | CTD | CTD with water sampling rosette with sensors for e.g. oxygen and fluorescence. |  |[ ]
| Svea | Scientific work boat | Alukin C 750, 8 persons |  |[ ]
| Svea | Video camera | Towed video camera for counting burrows of Norwegian lobster, bottom living animals and habitats  |  |[ ]
| Svea | Moving vessel profiler  | System for automatic CTD and fluorescence profiles underway. |  |[ ]
| Svea | Ferrybox | System for automatic water samplings and continous measurements of water parameters at a depth of about four meters. |  |[ ]
| Svea | Weather station | From Vaisala with sensors for meteorology, radiation, water surface temperature and sea colour. |  |[ ]

9. Environmental Impact

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| Are there any known seasonal environmental constraints for working in the area? (E.g Breeding season)Yes [ ] No [ ] Please provide details: Click or tap here to enter text. |
| Are any items of deployed equipment planned to remain unrecovered? (E.g. Anchors).Yes [ ] No [ ] If yes, please provide details: Click or tap here to enter text. |
| Is any equipment that will not be recovered, considered hazardous?Yes [ ] No [ ] If yes, please provide details:Click or tap here to enter text. |
| Are any substances to be purposefully introduced into the water column to support the science?Yes [ ] No [ ] If yes, please provide details:Click or tap here to enter text. |
| Will any marine organisms be intentionally sampled/captured/killed (including invertebrates and flora)? Include comment on whether ethics permits are required/approved1Yes [ ] No [ ] If yes, please add in what areas. Click or tap here to enter text.If yes, please provide details and state whether the research includes animal testing that requires ethical approval under the Animal Welfare Act (2018:1192)Click or tap here to enter text. |
| Do you plan to recover and import any biological organisms or samples?Yes [ ] No [ ] If yes, please provide details:Click or tap here to enter text. |
| Do you plan to undertake high resolution bathymetric mapping at any of your sites? Yes No If yes, please provide details including potential military restrictions or permit requirements: Click or tap here to enter text. |

1 The PI is responsible for ensuring that all necessary permits are obtained. Vessel operators can provide support for this.

Documents to be attached with the application:

* CV (max 5 pages)
* Map of study site

*The application, including attachments, to be sent to Lovisa Thoursie (**lovisa.thoursie@gu.se**) on the 13th October 2024 at the latest.*