

## SHIP-TIME APPLICATION FOR GU RESEARCH ON RV SKAGERAK 2022

This ship-time application is for research onboard the RV Skagerak in 2022. The research can involve researchers from other institutes, but the PI (and chargeable grant or account) must be from GU. This application is part of the simplified review process for quality assurance of research using R/V Skagerak and is required for you to receive the subsidized daily rate. Applications will be reviewed by peers based on feasibility and scientific excellence.

### Important things to note:

- The subsidized daily rate for GU-internal research is 45k SEK/day *not including fuel or food*
- For your planning/budgeting: Maximum speed 13-13,5 knots, fuel consumption approx. 230L/h (5500L/24h); Transit speed 10-11 knots, fuel consumption approx. 170L/h (4000L/24h); Current fuel cost (as of 10<sup>th</sup> March) is at 9.45 SEK/L (excl. taxes)
- Skagerak has a current on-board limit of 22 people (incl. crew). This will be increased to 35 people in late 2022 (for day trips).
- For voyages operating during the day only, you will require 5 crew and therefore have 16 berths available for scientists
- For voyages that involve overnight operations, you will require 7 crew and therefore have 12 berths available for scientists
- You need to request specifically to have our technician on board (Hans Olsson)
- The homeport is Nya Varvet. You are required to cover all mobilization and demobilization costs (ie steaming of Skagerak from homeport to a different port of departure if applicable).

The application is due to Niklas Andersson [niklas.andersson.2@gu.se](mailto:niklas.andersson.2@gu.se) on the **31 March 2022**

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1. Project name:
  
  2. Main applicant and Principal Investigator:
  3. Email:
  4. Other applicants (incl. affiliation):
    - a.
    - b.
    - c.
    - d.
  
  5. Scientific field:
    - Geology/sedimentology
    - Physical Oceanography
    - Biogeochemistry
    - Marine chemistry
    - Biology
    - Ocean technology
    - Atmospheric research
    - Biomedical researchOther:

6. Project objective(s) (max 100 words):

7. Scientific rationale (half page maximum):

8. Data management plan (half page maximum):

9. Outputs and outcomes expected:

10. Voyage plan (proposed location, transects, sampling plans, equipment deployment etc. Include a map or figure if easiest)

11. Requirement for use of on-board instruments and/or other equipment

CTD + rosette

Multibeam

Underwater positioning system

Sub-bottom profiler

ADCP (ship mounted)

Ferrybox (T, O<sub>2</sub>, Salinity, fluorescence (phycocyanine + Chl $\alpha$ ))

Weather station

Fluorometer

Multiple corer

WP-2 plankton net (0.25m<sup>2</sup>; 90 $\mu$ m)

Other equipment being used:

12. Number of Berths required:

13. Preferred voyage dates (incl. vessel travel time):

14. Other possible date ranges:

15. Do you require the Skagerak Technician, Hans Olssen, to be onboard?

16. Do you have the funds to cover the 45 000 daily rate? YES/NO

If Yes: Are you willing to allow a piggyback project on to your cruise (if berths are available)?

If No: Can you cover part of the daily rate or are you interested to join a cruise on a non-interfering basis?

17. Comments or remarks: