

Application form for SeaBee student project funding

Max 1 page. Deadline: Running



Aim for the SeaBee student project funding

SeaBee aims to build a national center for state-of-the-art drone-based environmental research, mapping, and monitoring, and to promote education and provide research opportunities for students and young researchers. SeaBee encourage students from natural sciences, computer sciences and engineering to collaborate and address transdisciplinary societal challenges. To facilitate this, SeaBee has allocated funds to make the infrastructure available to BSc, MSc, and PhD student projects, according to the SeaBee objectives.

SeaBee primary objective: *Deliver a beyond state-of-the-art infrastructure to facilitate research on present and future environmental challenges in coastal ecosystems, using portable flying drones, machine learning and cloud-based data sharing technology. Read more at www.seabee.no*

Activities that can be applied for

The fund aims to cover costs related to the use of the SeaBee infrastructure, completing field campaigns, and analyses of drone data. This includes:

- Renting SeaBee drones, sensors, and other infrastructure hardware.
- Access to tools and software to perform data processing, analyzes and visualization.
- Realizing drone-based fieldwork activities, including car and boat rentals, ground truth equipment, etc.
- Travel and accommodations for students and key personnel (e.g. hiring of drone pilot).
- Work hours for SeaBee key personnel such as drone pilots and technicians (e.g. for field preparations, field work and data processing), and scientific personnel for assistance with data analysis and software (e.g. image analysis for habitat or object identification).

Budget

The SeaBee student fund annual budget is 200 000 NOK. We encourage project applications ranging from 20 000 to 100 000 NOK per year. Projects that can be implemented within one year will be prioritized.

Requirements

Students must be affiliated at one of SeaBees partner institutions or have a supervisor who is part of the SeaBee consortium. Both national and international students can apply. If granted, the student should write a short report describing the main methods and results from the project within one month after the project has ended. Use of the infrastructure shall be acknowledged, as support from the SeaBee infrastructure through the Research Council of Norway (project ID #296478).

Evaluation criteria

Applications will be evaluated by the SeaBee steering board according to the following criteria:

- **Relevance** to the SeaBee infrastructure objectives, see project description
- Project idea and scientific quality (**Excellence**)
- Potential for developing SeaBee competence and knowhow towards SeaBee's strategic goals (**Impact**)
- Clear and feasible project plan and implementation strategy (**Implementation**)

Submission and evaluation process

Applications can be submitted to seabee@niva.no at any time. Applications will be evaluated by the SeaBee steering board within one month from submission. For technical questions contact project coordinator Liv Lang-Ree (Liv.Lang-Ree@niva.no), for scientific questions contact project leader Kasper Hancke (kasper.hancke@niva.no).

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Information about the project:

Project name and short name:
Name and institution of applicant:
Project members (names and institutions):
Supervisor and SeaBee partner institution:

Describe the project:

1. Goal and equipment requirements:
2. Strategic impact:
3. Specific output (what, when, and milestones):
4. Budget and personnel:
5. Collaboration and interactions with existing SeaBee activities or projects: