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| **GEOEO Expedition 2024** |
| Questionnaire |
| 2022-06-02 |

# **GEOEO** **Expedition 2024**

This questionnaire is related to the performed GEOEO webinar 8 of February 2022 hosted by the Swedish Polar Research Secretariate (SPRS) which you showed interest in.

To continue the planning process within the GEOEO expedition we need to get information from all projects interested to join, both onboard I/B Oden and associated.

In the planning process we are now ready to develop the scientific theme “North Greenland Earth-Ocean-Ecosystem Observatory” and decide the frameworks of the expedition. This is done between SPRS and the scientific leadership of the expedition; Martin Jakobsson and Nina Kirschner, Stockholm University. All researchers that show interest at this point will be incorporated in this process.

Future workshops and the need for the Swedish Polar Research Secretariate operational and logistic support will be planned according to the background information you give.

This questionnaire is *strongly recommended* to hand in for all projects that is planning to apply to the expedition. Lack of information regarding a specific topic or research area at this early stage of planning can lead to that certain research areas no longer prioritizes in the process.

Please, complete this form, as soon as possible, ***no later than 15 of August 2022***.

Submit the word document (docx-file) **to** **office@polar.se** Please use the registrations number in the subject line Dnr 2022-5-3

Thank you!

General information

* 1. Name of your research group/person (i.e., person’s name or/and the title of the group)

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* 1. Research topic / project name

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* 1. Describe your planned research, highlight the most relevant criterion (maximum 250 word).

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* 1. Describe your planned research in a popular scientific way (maximum 250 words). The popular science description is important when SPRS highlight and promote our expeditions.

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* 1. How many persons are involved in this research project? Please, specify as detailed as possible. We understand that this is only preliminary data.
		1. How many berths onboard I/B Oden are you planning to apply for?

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* + 1. Number of persons involved in the project, name of the affiliation (i.e., university, institute, organisation etc). For persons not applying for berths define in which area the research occurs (i.e., modelling)

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Background information and safety

What is the previously experiences of fieldwork and polar expeditions for you and in the research group? SPRS offers some safety training during mobilisation and transit.

1. Do you have an earlier experience of being part of an expedition (y/n)?

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**If yes,** (note; if you do have multiple expedition experience, please mention a few of them that do have relevant information for the GEOEO expedition)

1. Describe when (year), geographical area of the expedition (i.e., polar, sub-polar, others etc.), name of the ship and what the length (days) of the expedition was?

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1. Submit one or more peer-review papers of yours, giving background information to your proposed research project.

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Financial support

Preliminary 15 berths are reserved for international partners and 25 berths are reserved for the national Swedish research process. As an international researcher, to gain access to a berth onboard I/B Oden, a preliminary berth fee of 1.5 million Swedish kronor has been set. See the attached letter “Background information GEOEO to get access to IB Oden during expedition 2024”.

1. Do the existing or planned proposal/s already have funding (y/n)?

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**If no,** (note; SPRS are aiming to have bilateral cost share agreements for the joint GEOEO expedition, we are therefore already in contact with several research funding bodies and will continue this work based on the information you give.)

1. Where do you plan to propose for funding? (i.e., National science foundation (NSF), Swedish research council (VR) etc.)

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1. When do you expect to be informed if the project is granted (date)?

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Scientific collaboration

Regarding the outcome of this questionnaire, SPRS will schedule a workshop (Autumn 2022) to set a scientific agenda for the expedition and discuss the operational/logistic planning as well as the subsequent synthesis work.

Do you see any potential collaboration partners you can share sampling campaigns, data collection, use of equipment or share output data with etc. Within the expedition, other land-based observations (i.e., weather observations), with modelling partners or others?

1. Who or whom can be/will be a collaborative partner (i.e., person, group, situation etc.)?

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 **If yes,** (describe in what way and how you can collaborate)

1. Describe the situation, sampling, data acquisition, equipment or data management that can be an opportunity for collaboration.

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1. What will be the possible outcome of this collaboration for your project (i.e., research paper, more data or others etc.)?

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Operational logistic

Please, specify the sampling campaigns as detailed as possible at this stage of the planning process. You can find a technical description of I/B Oden here:

<https://www.polar.se/en/research-support/icebreaker-oden/technical-description-icebreaker-oden/>

For all of you that already been onboard **I/B Oden** you can refer to previous set-up.

1. Describe your sampling campaign and where it will be performed together with associated work such as laboratory onboard I/B Oden, on the ice, on land, from the helicopter etc.

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1. How are you planning your sampling (i.e., continuous operation, number, period of time, intervals etc.) and what is the length of a sampling period?

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1. What equipment are you planning to bring onboard and what kind of space/facilities do you need for storage and during the sampling campaign?

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1. Specify as far as possible the operational support that will be requested from SPRS, including need of gas, freezers, incubation chambers etc?

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Workshop

In October-November 2022 we plan to continue our planning process with all of you that have showed interest to participate in the expedition. Please describe what you think we need to highlight and discuss in more detail during this workshop.

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Synthesis report

The GEOEO theme will end with a synthesis report which is a summarised and multidisciplinary report describing what the research results can mean for society.

Based on your previously experience of outreach materials, activities or synthesis reports for communities and decision-makers connected to your research. What would you see or expect to increase the impact of the research results?

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Others

Is there other information you think it is necessary for us to know, please add a comment.

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