

Call for proposals Flagship “Hazardous substances” for year 2019

This is an invitation to submit proposals to the flagship «Hazardous substances- effects on ecosystem and health» for the year 2019. The scientific basis is given by the updated program plan “Scientific program 2016 – 2020“ <http://www.ifram.no/scientific-program.350771.en.html>

The overall objective of the flagship “Hazardous substances- effects on ecosystem and health” is to investigate and understand the exposure and impact of contaminants (POPs, PAHs, heavy metals, radionuclides, mixtures) on Arctic ecosystems and human health in Northern areas. An important aim is to produce knowledge for local and national environmental management and international regulation for pollution control.

- The flagship has 10 ongoing projects in year 2019. **Only 1-2 million NOK is available for new projects** if the flagship receives same amount of funding from KLD in year 2019 as this year. The leader group therefore encourages applicants to take contact with theme leaders to discuss initiatives for new 2019 projects.
- All **ongoing projects need to send new proposal** with an updated status and plan which will be evaluated by the flagship management.
- No new projects will be initiated on the topic of microplastics in the flagship. Proposals on this topic should be sent to the new flagship ‘Plastic in Arctic’.
- The proposals should answer the objectives and approaches of the themes 1-4 in the scientific program. Inter- and/or multidisciplinary approaches across several scientific disciplines and themes are prioritized, especially those including theme 1 and 4.

Theme 1. Human health & society – The effects of contaminants on human health and Arctic communities. Leader Torkjel Sandanger, torkjel.sandanger@uit.no

Theme 2. Animal health and ecosystem – The fate and effects of contaminants in Northern ecosystem in combination with climate change, natural and anthropogenic stressors. Leaders Geir Wing Gabrielsen, geir.wing.gabrielsen@npolar.no and Jan Ove Bustnes, Jan.Bustnes@nina.no

Theme 3. Industry and urbanization – Impact from industrial development and urbanization in the North – Fate and effects of pollutants on Arctic ecosystem. Leader Louise K. Jensen, Louise.Kiel.Jensen@nrpa.no

Theme 4. Risk governance – Communicating and applying research results. Leader Anne Katrine Normann, Anne.Katrine.Normann@norut.no

The proposals have to answer:

- 1) Scientific description and approach for one or more of the four themes in the program plan. Please, specify in the application form which theme(s) and sub-theme(s) that are addressed.
- 2) Type of projects. Please, specify in the application form:
 - **Research project with external evaluation and funding**
Additional support to projects that have obtained external evaluation and funding (or excellent evaluation score, but no funding) from external research agencies (e.g. NFR, EU) and where additional support gives a clear added value. Benefit for the flagship needs to be described. Attachment of the external evaluation and funding information is required. Financing up to NOK 1 million per year. Duration 1-3 years.
 - **Research projects with scientific basis, but without external evaluation**
Projects building upon previous produced data/knowledge without external evaluation and quality assurance. Research projects that develop new ideas (pilot projects) are also welcome. Financing up to NOK 500 000 per year. Duration 1-2 years.

- 3) Provide a detailed budget per year and per participating institution. Projects with external financing should document both external funding and internal flagship funding in the budget.
- 4) Please provide three (3) names for impartial and qualified experts to review the proposal (for projects without external evaluation).

Evaluation criteria

- Research relevant for the updated scientific program
- Research relevant for national^{1,2} and international environmental management.
- Scientific quality.
- Collaboration between minimum two (2) Fram Centre institutions, national and international.
- Several scientific disciplines and/or interdisciplinary.
- Outreach activities.
- Education plan (Master, PhD students).
- Publication plan.

Projects with a budget above NOK 250 000 and without attached external evaluation will be sent to external evaluators prior to the evaluation in the leader group (leader, co-leader and theme leaders).

Funding is valid for one year only. The flagship funding for 2019 is at present not known, but the flagship anticipates funding of a total of approximately NOK 7 million of which maximum NOK 2 million will be available for financing new projects. Projects that run for several years need new application each year, including accepted status report and an updated project plan.

Application form

- The application form as word format is available at www.ifram.no, Flagship and Funding, Send proposals for 2019. All proposals have to be submitted through this web portal. Note that an online administration form should also be filled in this year.
- Resubmission of proposals is possible until the deadline.
- The maximum page numbers for application is six (6) pages (see template).
- Please provide detailed budget per year and per participating institution.

Deadline: November 1 2018

The flagship's suggestion for project plan 2019 will be sent to the Ministry of Climate and Environment within January 15th 2019. Final project plan will be ready as the budget frame is specified by the Ministry of Climate and Environment mid-February.

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This file is also available at www.ifram.no, Flagships and funding, Hazardous substances

¹ <http://www.miljodirektoratet.no/Documents/publikasjoner/M591/M591.pdf>

² https://www.regjeringen.no/contentassets/a1872f19e96c44229dddc810991abd5a/t-1552_b.pdf