

# Innovation Project for the Industrial Sector

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**Application type:** Innovation Project

**Optional submission of project outlines:**

[Innovation Projects for the Industrial Sector \(Project Outline\)](#)

**Application deadline:** 25 September 2019, 13:00 CEST

**Relevant thematic areas for this call:**

[Industry and services](#), [Oceans](#), [Petroleum](#), [Environment-friendly energy and CO2 capture and storage](#), [Food and land-based bioresources](#)

**Target groups:** Industry

**Funding scale:** NOK 2 000 000-16 000 000

**Amount of funding presumed available for this call for proposals:**

NOK 1 250 000 000

**Project duration:** 24-48 months

**Upcoming call for proposals:**

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## Purpose

Innovation Projects for the Industrial Sector are company-driven projects that incorporate extensive research and development (R&D) activities. The Innovation Project is to contribute significantly to renewal and increased value creation for the participating companies, and it should yield socioeconomic benefits by making new knowledge and solutions available.

The project funding from the Research Council is intended to encourage companies to invest more in R&D activities that can promote innovation and thereby expand the opportunities for sustainable growth and enhance the competitiveness of the companies.

## Important dates

**17 Jun 2019: Deadline for submission of project outlines**

**14 Aug 2019: Date call is made active**

**25 Sep 2019: Application submission deadline**

**12 Dec 2019: The decision regarding funding is expected to be announced**

**01 Jan 2020: Earliest permitted project start**

**01 May 2020: Latest permitted project start**

**16 Sep 2020: Application submission deadline for Innovation Projects for 2020**

### Shortcuts

About the proposal

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Who can participate in the project?

What can you seek funding for?

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Oceans

Petroleum

Environment-friendly energy and CO2 capture and storage

Food and land-based bioresources

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## About the call for proposals

The Research Council of Norway is announcing NOK 1.25 billion in R&D support for Innovation Projects for the Industrial Sector. This funding is intended to encourage companies to invest in R&D that can enhance competitiveness, increase growth opportunities and promote sustainable value creation.

The call for proposals extends across the entire range of the Norwegian business sector and applies to both new and established business activities. The call is targeted towards large and small companies across all industries and sectors. Innovation Projects for the Industrial Sector are also expected to generate socioeconomic benefits through e.g. the sharing of research-based knowledge and helping to find solutions to societal challenges.

The Norwegian-language call for proposals is the legally binding version.

### State aid

This call for proposals constitutes a funding scheme that is notified to the EFTA Surveillance Authority. Funding awarded under this scheme is granted in accordance with Article 25 of the [General Block Exemption Regulation for state aid](#) (Commission Regulation (EU) No 651/2014 of 17 June 2014).

This funding scheme is to be practised in compliance with the EEA state aid rules. This means that conditions and concepts are to be interpreted in keeping with corresponding conditions and concepts in the state aid rules. In the event of conflict between the text of the call and the state aid rules, the latter will have precedence. The text of the call may be adjusted for this same reason.

The call for proposals has been approved as an aid scheme by The EFTA Surveillance Authority (ESA) with the reference: GBER 32/2019/R&D&I.

## Who is eligible to apply?

The formal applicant must be a company that has been issued an enterprise number under the Norwegian Register of Business Enterprises and that carries out economic activity in Norway. Public enterprises that carry out activities of an

industrial or business nature may also serve as the formal applicant. The formal applicant will be the Project Owner in the contract with the Research Council.

Sole proprietorships and research organisations are not eligible to serve as the formal applicant.

## Who can participate in the project?

### Requirements relating to the Project Owner

The Project Owner's (company's) objective must be to carry out an R&D-based Innovation Project designed to lead to sustainable growth and enhanced competitiveness for the company. The Project Owner must be able to secure project funding (in addition to any Research Council funding) and to implement other measures needed to utilise the project results in connection with its own activities.

### Collaboration and roles in the project

- The Project Owner (company) may carry out the project in binding cooperation with other companies (company partners). These companies will then also have a portion of their project costs covered via Research Council support for the project and will thus become recipients of state aid. As a general rule, such partners must fulfil the criteria to serve as the formal applicant.
- Norwegian and international research groups and expert communities may take part in the project if they have responsibility for carrying out specific R&D activities. These partners (suppliers of R&D services) may only have a task-performing role, and the company partners collaborating in the project will be responsible for financing the costs of their participation. It is presumed that R&D suppliers are not in a dependent relationship with any of the company partners, i.e. they operate according to the arm's length principle. A company partner in the project may not serve as a supplier of R&D service, and vice versa.

Other international partners and public actors may participate in the project, but their costs will not be eligible for support from the Research Council.

- Company partners that are in a mutually dependent relationship with one another will be considered to be one and the same recipient in accordance with the state aid rules.
- The constellations of partners in the project are expected to contribute towards network-building and mutual knowledge development.

### About Innovation Projects

- Innovation Projects build on a specific idea by one or more companies participating in the project. The anticipated results may create value in the form of a new product, service or production process, or a new means of delivering products and services. The innovation may also entail significant improvements in or new characteristics of existing products, services or processes at the companies.
- The companies participating in the project must have a need for new knowledge or new technology in order to succeed in achieving their innovation. The knowledge or technology must be developed through R&D activities using recognised methodology for research and development. The project's R&D activities must be characterised as pre-commercial and must satisfy the definition of either "industrial research" or "experimental development" as set out in the state aid rules.
- The project must have access to the expertise needed to carry out the R&D activities according to accepted practice. The Project Owner (company) or collaborating company partners in the project may contract research organisations (universities, university colleges, research institutes) or other independent suppliers of R&D services to perform R&D tasks and assist with quality assurance. The project may use organisations outside Norway as R&D suppliers when this is seen as necessary and efficient. Doctoral candidates may be affiliated with the project through separate agreements with the appropriate degree-conferring institutions.
- The scope and risk profile of the project must be such that the companies would not be able to carry out the project without public funding. This means that support from the Research Council must be essential for the participants to implement the R&D activities. Project funding should also be crucial to obtaining private investment in the company for the development and realisation of the innovation.
- The project must incorporate clear targets and a concrete plan for carrying out the R&D activities under the project and for utilising the results. Project results and knowledge that do not need protection on account of planned commercial utilisation by the company partners in the project are to be disseminated via publication and other relevant communication channels.

# What can you seek funding for?

Support is only available for project costs relating to R&D activities. The Research Council can not provide support for other types of activities and measures to exploit R&D results, such as: filing for patents, market surveys, marketing, testing and completion of new products or services. Such costs are therefore not to be included in the project budget submitted in the grant application to the Research Council.

It is possible to seek funding to cover part of the costs of company partners for R&D activities performed under the project. This encompasses both a company's own expenses for performing R&D activities itself and costs for procurement of R&D services from qualified suppliers.

The level of support (aid intensity) is subject to limitations and will depend on the project's R&D content. Activities classified as "industrial research" are eligible for a higher aid intensity than "experimental development" activities. [Read more about the definitions and about Article 25 of the Block Exemption on our information page Conditions for awarding state aid.](#)

Project costs are actual costs that are necessary for the execution of the project, and are categorised as follows:

- **Direct project expenses:** costs related to resources set aside specifically for project implementation, for example, payroll costs for project staff.
- **Indirect project expenses:** costs related to the use of general resources that the project benefits from. Indirect project costs include the project's share of the cost of rental of office space, IT/telephone and other joint administrative services for personnel, accounting and financial management.

In the grant application form, the Research Council requires you to break down the project budget into the following cost categories:

- Payroll and indirect expenses: costs of R&D activities performed by the company's R&D staff for the project. Please refer to the Research Council's guidelines for budgeting of [Payroll and indirect expenses](#).
- Procurement of R&D services: costs of contracting R&D suppliers to perform R&D activities for the project.
- Equipment: costs related to the operation and depreciation of scientific equipment necessary for the execution of the project.
- Other operating expenses: costs related to other activities that are necessary in order to perform R&D activities under the project.

## Scope of funding

Companies may seek funding to cover up to 50 per cent of their budgeted project costs. Projects may have a duration of two to four years, and a minimum NOK 2 million must be sought. Applicants may seek a maximum of NOK 16 million.

Special restrictions may apply for certain thematic areas under this call.

## Conditions for funding

- According to the state aid rules, support to an undertaking constitutes state aid. An "undertaking" in this context is defined as any actor that carries out an economic activity consisting of offering products or services on a given market.
- If the project is awarded funding, the participating companies must submit a declaration confirming that they are qualified to receive state aid.
- Other public funding to the project, or to activities under the project, will affect the amount of funding that the Research Council can provide.
- Allocated state aid of EUR 500 000 or more will be announced in a public register.
- If the project is awarded funding, the Project Owner must submit a revised grant application in accordance with the conditions of the allocation decision. The revised grant application will incorporate updated and supplementary information about the project and participating partners.
- The latest permitted project start date for projects is 1 May 2020. Projects approved for funding that have not started by this date may lose their allocation.
- The Research Council's conditions for allocation are set out in the General Terms and Conditions for R&D Projects. For projects awarded funding under this call, this entails, among other things, a requirement to submit an annual project account report documenting incurred project costs and their financing.

# Relevant thematic areas for this call

The call for proposals extends across the entire range of the Norwegian business sector, and grant applications will not be limited to any specified fields of research, technologies, problem areas or markets.

The funding is allocated by relevant programmes or budget items at the Research Council. This is explained in the sections detailing the five thematic areas below.

A more detailed description is provided for each of the thematic areas (click the pull-down arrows) to provide applicants with insight into which of these areas will be relevant for their planned project. While there may be specific requirements and guidelines within the various thematic areas, funding is available for projects across the entire range of the topics mentioned.

## Industry and services

This thematic area is targeted towards large segments of the Norwegian business sector, and funding is available for projects within a wide range of disciplines, technology sectors and business sectors. 

*Environmental technology, Low-emission technology, Circular economy, Sustainable production and consumption, Digitalisation, Business models, Organisation and management, Travel and tourism, Health, Advanced production processes, ICT, Biotechnology, Materials technology, Nanotechnology, Micro- and nanoelectronics, Ocean technology*

Please remember to select the topics most relevant to your project proposal in the grant application form.

Under the thematic area “Industry and services” funding has been earmarked for three areas:

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### NOK 625 million for “Sustainable value creation in Norwegian trade and industry”

This funding is to support the best research-based Innovation Projects across the full range of Norwegian trade and industry, in keeping with the objectives and thematic priority areas set out in the work programme of the Programme for User-driven Research-based Innovation (BIA).

This open focus ensures that funding is distributed in an open competitive arena and promotes innovation across different branches of industry and thematic areas, while also enhancing value creation through the development of new, knowledge-based trade and industry and the renewal and restructuring of established trade and industry. Funding is available for projects in all sectors, disciplines and technology areas not encompassed under other thematic areas in this call:

- Building, construction and real estate sector
- Financial sector
- Health care industry
- ICT sector
- Processing industry
- Travel, hospitality and cultural tourism industry
- Retail/wholesale sector
- Manufacturing industry
- Other industries and services not encompassed under other thematic areas in this call

### Prioritisation of grant applications

There is no earmarked funding for special areas. In general, priority will be given to projects with a major potential for sustainable value creation in Norway. When assessing relevance to this call, consideration will be given to the individual features of the project, such as the size, market position and R&D experience of the company partners, and whether the innovation activity aims to further develop products/processes/services within the established area of business or to establish a new area of business.

When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to achieving a balanced project portfolio that accommodates the full range of the thematic area “Industry and services”, and includes projects across different sectors and fields of research, e.g. along value chains. Importance will also be attached to incorporating companies or constellations

of companies that have not previously received support for Innovation Projects.

## BIA work programme

The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes
- available resources and budget

See: [BIA work programme \(pdf\)](#).

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## NOK 20 million for “Travel, hospitality and cultural tourism”

This funding is for projects designed to generate sustainable value creation for the participating companies and help to enhance the level of knowledge, innovation and collaboration within the travel and tourism industry, and between the industry and other stakeholders.

In addition to the funding set aside for “Sustainable value creation in Norwegian trade and industry”, an additional NOK 20 million is earmarked for projects under the following topics:

- Travel and tourism
- Culture, travel/hospitality and cultural tourism

## Prioritisation of grant applications

The Research Council will prioritise the earmarked funding for projects in which:

- multiple companies are collaborating and will work together to implement the results;
- there is collaboration between travel and tourism companies and cultural institutions and/or companies in the cultural sector.

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## NOK 60 million for “Nanotechnology, microtechnology and advanced materials”

This funding is to promote the development of knowledge and technology to address societal challenges, primarily in the areas of renewable energy, reduced negative impacts on the environment and climate, and improved health and medical technology.

Priority will also be given to projects designed to increase value creation and innovation based on Norwegian natural resources, and to expand insight into the impacts of nanomaterials on human health and ecosystems.

Projects must incorporate Responsible Research and Innovation (RRI) as an integral part of research practice in order to achieve sustainable innovation and value creation in the business sector.

Funding is available for projects within all the thematic priority areas set out in the work programme of the Large-scale Research Programme on Nanotechnology, Microtechnology and Advanced Materials (NANO2021).

## Prioritisation of grant applications

When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to achieving a thematically and scientifically balanced, broad-based project portfolio within the thematic priority areas of the NANO2021 work programme.

The NANO2021 work programme gives priority to projects where the use of nanotechnology, microtechnology or advanced materials will be critical to achieving the objective of the project.

## NANO2021 work programme

The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes
- available resources and budget

See: [NANO2021 work programme \(pdf\)](#).

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## Oceans

This thematic area is targeted towards maritime industries, aquaculture, fisheries, the seafood industry and ocean technology across ocean-based industries. 

*Aquaculture, Fisheries, Food - Blue sector, Marine sector, Maritime sector, Ocean technology*

Please remember to select the topics most relevant to your project proposal in the grant application form.

Under the thematic area “Oceans”, funding is earmarked for four areas:

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### NOK 140 million for “Maritime industries”

This funding is to support research and development activities that help to increase value creation in the maritime industry. The objective is to work within a sustainable framework to enhance competitiveness, strengthen the capacity for restructuring and improve interactivity and knowledge transfer between the R&D community and the industry.

Funding is available for projects within all the thematic priority areas set out in the work programme for the Innovation Programme for Maritime Activities and Offshore Operations (MAROFF):

- opportunities in the ocean industries;
- autonomous and remote-controlled vessels;
- digital transformation of the maritime industry;
- promoting greener maritime activities;
- safety and security at sea;
- the Arctic and northern areas.

Ocean technology for the maritime industry may be an integral part of all relevant thematic priority areas in the work programme, and NOK 30 million has been set aside for projects involving this. If too few grant proposals of adequate quality are submitted within ocean technology for the maritime industry, this funding will be awarded to grant proposals addressing other topics.

For carrying out full-scale testing of experimental technology on vessels/at facilities in commercial operation, funding is available for demonstration projects in which several industry actors collaborate on equipping commercial vessels with new technology concepts for testing and further development. The aid intensity for such demonstration projects will generally be limited to 25 per cent of project costs, since this is R&D activity classified as “experimental development” under the state aid rules.

### Prioritisation of grant applications

The MAROFF work programme gives priority to projects involving research tasks that require integrated efforts from a variety of stakeholders in order to achieve project objectives, and in which research findings will be of benefit to a wider range of companies in the industry. Public funding is intended to support projects that will result in an overall benefit that is greater than the individual benefit to the participating companies.

To be considered for funding, projects with a small number of participating companies will need to achieve high marks for the assessment criterion “Excellence” or must lead to significant positive societal impacts.

When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to achieving a balanced project portfolio. Consideration will therefore also be given to the distribution of proposed and ongoing projects within the thematic priority areas and actors under the MAROFF programme.

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## MAROFF work programme

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The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes
- available resources and budget

See: The [MAROFF work programme \(pdf\)](#).

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### **NOK 40 million for aquaculture including processing of aquaculture products**

This funding is for projects within all relevant areas of the aquaculture industry. Project funding may be sought by producers as well as industry suppliers within all the thematic priority areas set out in the work programme of the Large-scale Programme on Aquaculture Research (HAVBRUK).

This funding will be distributed over a project period of maximum 36 months. A maximum NOK 6 million may be sought.

Priority will be given to projects that will help to achieve the HAVBRUK programme's objective for sustainable growth and development of the Norwegian aquaculture industry.

### **Prioritisation of grant applications**

When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to achieving a balanced project portfolio. Consideration will therefore also be given to the distribution of proposed and ongoing projects within the thematic priority areas and actors under the HAVBRUK programme.

## HAVBRUK work programme

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The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes
- available resources and budget

See: [HAVBRUK work programme \(pdf\)](#).

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### **NOK 15 million for fisheries and other marine industries including processing of harvested seafood**

This funding will be allocated from the Research Programme on Marine Resources and the Environment (MARINFORSK), which provides funding for research on the marine environment and seeks to generate knowledge about the ocean and coastal areas and the impact of pressures from human activity. Research activities are to strengthen the basis for sustainable management and value creation based on marine resources and other ecosystem services. The MARINFORSK programme encompasses the entire value chain for wild organisms, from harvesting to processing to markets.

Projects are expected to help to develop solutions and technology, including digital solutions, for advances in the fisheries industry, the marine processing industry and among companies using marine resources to produce energy or new marine products. Cooperation between actors across the ocean industries will be viewed in a positive light when assessing grant proposals.

This funding will be distributed over a project period of maximum 36 months. Projects may seek maximum NOK 2 million per year for a total amount of NOK 6 million.

### **Prioritisation of grant applications**

When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to achieving a balanced project portfolio.

Consideration will therefore also be given to the distribution of proposed and ongoing projects within the thematic priority areas and actors under the MARINFORSK programme.

The MARINFORSK programme seeks to incorporate more projects that can contribute to sustainable value creation based on marine resources into its project portfolio.

## MARINFORSK work programme

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The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes
- available resources and budget

See: [MARINFORSK work programme \(pdf\)](#).

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### **NOK 17 million earmarked for ocean technology across ocean-based industries**

This funding is for projects encompassing the development and exchange of expertise and technology across the ocean-based industries, i.e. maritime industries, aquaculture, fisheries, offshore oil, gas and renewable energy, as well as new ocean-based industries.

Grant applications must explain the type of development and/or exchange of expertise and/or technology between the ocean industries that the project will advance. Projects are expected to incorporate collaboration between actors across the ocean industries, and the involvement of end-users in the cooperation is particularly encouraged.

Projects applying for this earmarked funding must explain the ocean industries that the expertise or technology development will be relevant for under “Outcomes and impacts” in the application form and in the project description.

#### **Prioritisation of grant applications**

When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to the priorities of the relevant programmes for ocean industries.

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### **Petroleum**

This thematic area is targeted towards upstream petroleum activities. 

*Reducing greenhouse gases, energy efficiency and the environment, Subsurface knowledge, Drilling, completion and intervention, Production, processing and transport, Major accidents and the working environment, Ocean technology*

Please remember to select the topics most relevant to your project proposal in the grant application form.

Under the thematic area “Petroleum”, the following guidelines for allocation will apply:

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### **NOK 80–100 million for projects within petroleum**

This funding is for projects that lie within the scope of the work programme for the PETROMAKS 2. In addition to the six thematic priority areas listed above, there are four cross-cutting priority areas:

- The Arctic areas

- Reducing greenhouse gas emissions and energy efficiency
- Digitalisation
- Challenges related to the introduction and use of new technology

Funding is not available for generic projects focusing solely on these cross-cutting priorities. Applicants seeking to address the cross-cutting priorities must link these specifically to one or more of the thematic priority areas. For more information about the above thematic priority areas, see the PETROMAKS 2 work programme.

### **Improving energy efficiency and reducing greenhouse gas emissions**

Allocation of funding for projects whose main objective is improving energy efficiency and reducing greenhouse gas emissions on the Norwegian continental shelf will be viewed in conjunction with allocations under the call for Knowledge-building Projects for Industry with an application deadline of 4 September 2019. A total of at least NOK 25 million will be allocated to projects under these two calls.

### **Research cooperation with Canada**

Funding is available for projects based on projects that incorporate binding collaboration between Norwegian and Canadian research organisations and/or companies that will be of benefit to both countries. Canadian partners are required to cover their own project costs. No funding has been earmarked for this cooperation. The number and quality of the proposals received will determine how many projects can be awarded funding within the overall budgetary framework for this thematic area.

### **Ocean technology**

Up to NOK 10 million has been set aside for projects within “Ocean technology for the petroleum industry”. The purpose is to promote technology development and knowledge transfer between ocean industries, and the involvement of end-users in the cooperation is particularly encouraged. Applicants for this funding must make sure to select “Ocean technology” and at least one of the thematic areas above. This funding comes in addition to the opportunity to apply for projects under the topic “Ocean technology across ocean-based industries” under the thematic area Oceans.

### **Prioritisation of grant applications**

When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to achieving a balanced project portfolio. Consideration will therefore also be given to the distribution of proposed and ongoing projects under all of this year’s calls for proposals across the priority areas and actors under the petroleum portfolio.

## **PETROMAKS2 work programme**

The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes
- available resources and budget

See: [PETROMAKS 2 work programme \(pdf\)](#).

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## Environment-friendly energy and CO<sub>2</sub> capture and storage

This thematic area is targeted towards all the thematic priority areas set out in the respective work programmes for the Large-scale Programme for Energy Research (ENERGIX) and the Norwegian RD&D CCS programme (CLIMIT). 

*Renewable energy (wind, hydropower, solar, bioenergy, geoenergy, other), The energy system (components, systems technology, markets and organisation), Energy consumption in buildings, built-up areas and industry, Energy consumption in transport, Energy policy (economics, societal issues, environmental impacts and sustainability), Digitalisation, Low-emission technology, Ocean technology, CO<sub>2</sub> capture and storage*

Please remember to select the topics most relevant to your project proposal in the grant application form.

Under the thematic area “Environment-friendly energy and CO<sub>2</sub> capture and storage”, funding has been earmarked for two areas:

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### NOK 170 million to promote environment-friendly energy and low emissions

This funding is for projects to promote the long-term, sustainable development of the energy system to enhance the competitiveness of Norwegian trade and industry and facilitate the transition to a low-emission society.

Funding is available for projects within all the thematic priority areas set out in the ENERGIX work programme:

- renewable energy (solar, wind, marine, bioenergy, geothermal and hydropower);
- the energy system and markets;
- efficient use of energy in buildings and industry;
- energy for the transport sector;
- energy policy, economics and sustainability.

The attachment to the work programme provides a detailed description of the thematic priority areas. Applicants are encouraged to read the work programme documents.

The ENERGIX programme is also participating in two other calls with an application submission deadline in autumn 2019:

- The call for Knowledge-building Projects for Industry with an application deadline of 4 September 2019, which encompasses longer-term competence needs and basic research.
- The joint call for projects under the PILOT-E scheme in cooperation with Innovation Norway, Enova and Gassnova with an application deadline of 25 September 2019. The call is targeted towards integrated supplier chains for hydrogen and innovative solutions for zero-emission buildings and construction. See [pilot-e.no](http://pilot-e.no) for more information.

### Prioritisation of grant applications

- When assessing relevance, special importance will be attached to how the grant application addresses priorities set out in the work programme and attachment.
- When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to achieving a balanced project portfolio. Consideration will therefore also be given to the distribution of proposed and ongoing projects among the thematic priority areas of the ENERGIX programme and the Centres for Environment-friendly Energy Research (FME). You may search the Project Databank to find ongoing projects and FME centres.

# ENERGIX work programme and attachment

The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes
- available resources and budget

See: [ENERGIX work programme and attachment \(pdf\)](#).

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## NOK 10–30 million for CO<sub>2</sub> capture and storage

This funding is for projects that can contribute to technology development to accelerate commercialisation of CO<sub>2</sub> capture and storage, based on the following focus areas described in more detail in the CLIMIT work programme:

- Early full-scale CCS value chain in Europe;
- Large-scale storage of CO<sub>2</sub> on the Norwegian continental shelf in the North Sea;
- Future solutions for CCS.

Grant applications may be targeted towards contributing to one or more of these focus areas.

The CLIMIT work programme provides a broad technological description of CO<sub>2</sub> capture, transport and storage but does not encompass the use of CO<sub>2</sub>. Thus this call is only open to grant applications relating to long-term storage of CO<sub>2</sub>. Please note that projects relating to the use of CO<sub>2</sub> for EOR are still eligible under this call provided they involve long-term storage of CO<sub>2</sub>.

## Prioritisation of grant applications

As a starting point, NOK 20 million has been set aside, but the budget under this call will be NOK 10–30 million. The final amount will depend on the quality and relevance of grant applications, and how grant applications submitted under other calls will promote the achievement of the CLIMIT programme objectives.

The elements listed below will be viewed in a positive light when assessing grant applications, but do not comprise an exhaustive list of application requirements:

- making use of R&D infrastructure through [ECCSEL](#);
- helping to carry out [the EU CCS and CCU Implementation Plan](#);
- international collaboration, particularly with [European ACT member countries](#) and with North America.

The ENERGIX and CLIMIT programmes will cooperate on reviewing project proposals within the topic of hydrogen production and utilisation. Applications involving hydrogen from renewable energy as well as from natural gas with CCS within the same project will be reviewed by both programmes in consultation.

## CLIMIT work programme

The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes

The CLIMIT programme has three focus areas with associated performance goals

- early full-scale CCS value chain in Europe;
- large-scale storage of CO<sub>2</sub> on the Norwegian continental shelf in the North Sea;
- future solutions for CCS.

See: [CLIMIT work programme \(pdf\)](#).

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## Food and land-based bioresources

Together with the scheme for Research Funding for Agriculture and the Food Industry (Foundation for Research Levy on Agricultural Products (FFL) and the Agricultural Agreement Research Fund (JA)), the Research Council is announcing funding for this thematic area.

*Production systems, Climate, Bioeconomy, New products, Food safety, Services, Green initiatives*

Please remember to select the topics most relevant to your project proposal in the grant application form.

Under the thematic area “Food and land-based bioresources”, the following guidelines for allocation will apply:

### NOK 100 million for profitable and sustainable production in the land-based, bio-based industries

This funding is for projects addressing priority topics under [the Research Funding for Agriculture and the Food Industry](#) (FFL/JA) scheme and thematic priority areas set out in the work programme for the Research Programme on Sustainable Innovation in Food and Bio-based Industries (BIONÆR).

The business sector has a key role to play in the development of the food system in Norway, and services associated with food and agriculture are an important part of this. There is a need to develop new and more diverse industrial activities using sustainable production based on Norwegian resources, including utilisation of biomass, reduced food waste, reduced greenhouse gas emissions and production that is adapted to new

climatic conditions. At the same time these advances will help to enhance the competitiveness of these industries, e.g. relating to local food, outdoor activities, tourism, health, welfare and care services.

Within these main objectives, priority will be given to projects addressing the following areas:

- Production systems: Efficient, sustainable food and forest productivity;
- Climate: Reduced greenhouse gas emissions and agricultural and forest production that is adapted to new climatic conditions;
- Bioeconomy: Increased utilisation of biomass and reduced food waste throughout the entire food value chain;
- New products: development of new bio-based products or new processes/methods for bio-based products;
- Food safety: Production of safe food throughout the value chain;
- Services: Services in the agricultural industry, including local food, adventure activities, tourism, health, welfare and care services.

Funding has been earmarked for these two areas:

**NOK 5 million for projects on forests and climate.**

**NOK 40 million for initiatives on fruits, vegetables and berries.**

This year's Agricultural Agreement contains provisions to strengthen research within the fruits and vegetables industry. Greater knowledge will help to reduce greenhouse gas emissions, raise production and extend the Norwegian growing season for production in greenhouses, tunnels and outdoors.

### **Prioritisation of grant applications**

When prioritising projects for funding, importance will be attached both to the assessment of scientific merit for each individual grant application and to achieving a balanced project portfolio. Consideration will therefore also be given to the distribution of proposed and ongoing projects under all of this year's calls for proposals across the common portfolio, priority areas and actors.

## BIONÆR work programme

The work programme provides an overview of

- challenges, objectives and priorities
- anticipated results, impacts and societal outcomes
- available resources and budget

See: [BIONÆR work programme \(pdf\)](#).

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## Read more

› [The Research Funding for Agriculture and the Food Industry \(FFL/JA\)](#) ›

## Requirements for this application type

The grant application form must be created and submitted via “My RCN Web”. You may revise and resubmit your grant application form multiple times up to the application submission deadline. After the deadline, it is the most recently submitted version of the grant application that will be processed.

- The grant application, including all attachments, may be submitted in Norwegian or English.
- All attachments must be in PDF format and uploaded as an attachment to the grant application form.
- The project description must be written using the designated template for Innovation Projects for the Industrial Sector. The template will be made available well before the call is made active. All items must be completed.
- If the applicant has submitted the same or similar grant proposals under another Research Council programme or scheme, this must be stated in the grant application.
- All project costs are to be budgeted in accordance with [Research Council guidelines](#).

All the templates for attachments are at the end of the call for proposals.

### **Mandatory attachments**

- A project description of maximum 15 pages using the designated template.
- Information about partners for the company submitting the grant application and each of the participating companies. The designated template must be used.
- A CV for the project manager, using the designated template.

Grant applications that do not satisfy the requirements relating to the application type or the Project Owner will be rejected.

## Assessment criteria

Grant applications will be assessed on the basis of four criteria:

### **Excellence**

To what extent does the project represent an ambitious innovation that is supported by relevant R&D activities of high quality?

- To what extent does the innovation represent something new?
- To what extent is the innovation targeted towards clear needs or new market opportunities for the company partners in the project?
- To what extent does the project build on relevant and updated knowledge?
- To what extent does the project employ relevant and recognised R&D methods?
- To what extent are the R&D activities essential for the success of the innovation?

### **Impact**

To what extent does the project pave the way for significant benefits for the company partners, and lay a foundation for other positive impacts for society?

- To what extent will the project entail a potential for sustainable value creation in Norway with significant economic benefits for the company partners?
- To what extent can the project have positive external impacts, such as:
  - helping to disseminate knowledge through networks and publications;
  - producing results that can be used by other industries, the public sector or in society at large;

– leading to an innovation that can address UN Sustainable Development Goals or solve other important societal challenges.

• To what extent are the potential impacts of the project clearly formulated and highly plausible?

## Implementation

To what extent does the work plan provide a good basis for implementing the R&D activities and realising the potential for value creation?

• To what extent does the R&D project work plan incorporate appropriate and effective objectives, work packages, milestones, resources and relevant risk assessments?

• To what extent will the project have access to the necessary R&D expertise and adequate capacity to carry out the R&D tasks?

• To what extent does the project reflect the strategic priorities of the company partners and have a project organisation appropriate to the task?

• To what extent does the project manager have appropriate expertise and experience to lead an R&D project targeted towards innovation and sustainable value creation for companies?

• To what extent is the plan for implementation of R&D results and realisation of benefits relevant and appropriate, for instance with regard to:

– IPR issues,

– assessment of the competitive framework and market risks,

– investment needs and plans,

– needs and plans regarding partnerships for commercialisation or industrialisation,

– need to develop business models.

## Relevance to the call for proposals

To what extent does the project meet the requirements and guidelines set out in the call for proposals?

• To what extent do the company partners in the project meet the requirements and expectations set out in the call for proposals with regard to the Project Owner and project partners?

• To what extent have the conditions set out in the call for proposals with regard to collaboration and specification of roles been met?

• To what extent can support from the Research Council be expected to trigger increased R&D investment among the company partners in the project and provide added value to the project beyond the financial support?

• To what extent is the project in keeping with thematic or budgetary guidelines in the call for proposals, where this is relevant in light of the project's content?

## Administrative procedures

Grant applications will be assessed based on the content in the application form and mandatory attachments. Links to websites and documents, as well as other attachments than those specified above, will not be included in the application review process.

Grant applications and mandatory attachments will be made available to external referees via a digital portal. These referees will assess *Excellence*, *Impact* and *Implementation*. The referees will convene in a panel meeting to reach a unified assessment of the grant application for each of these three criteria.

The criterion “Relevance to the call for proposals” will be assessed by the Research Council administration.

The assessment of these four criteria will be consolidated into a single, overall mark that indicates the quality of the project proposal. This overall mark will play a decisive role in determining which projects are to be allocated funding.

The administration will present the project proposals to the relevant Research Council portfolio boards for the final funding decision. Here the proposals will also be considered in light of the overall project portfolio in the areas under the purview of the specific portfolio board. Each portfolio board must also take into consideration any budgetary aims outside of those set out in the call for proposals. During this process, each portfolio board will also act in accordance with the Research Council's general policy for allocation of funding, including:

- research ethics perspectives;
- prioritisation of projects led by women project managers, assuming all other quality-related factors are essentially equal.

**The final decision regarding funding is expected to be announced in December 2019.**

Projects recommended for funding will be required to provide additional information about the project and the project partners.

## About the results of the application assessment process

<b>Total amount sought</b>	NOK 2 815 000 000
<b>Amount awarded</b>	NOK 1 494 000 000
<b>Total number of applications</b>	354
<b>Number of approved applications</b>	175

## Approved applications

Project number	Project title	Institution/company
310195	Ute- og innemøbler av eierløs havplast - produkter for en sirkulær verdikjede.	OPE AS
310178	Laser Radar for Safe and Clean Seas	HJELMSTAD AS
310176	Utvikle et befolkningvarslingssystem fra pilot i laboratorium som viste at grunnteknologi virker, til ny teknologi i stor skala.	Paneda DAB AS
310167	Fucoidan for biomedisinske applikasjoner	ALGINOR ASA
310166	Feasibility study of a concept for operating remotely controlled underwater vehicles from an unmanned surface vessel, phase 2.	KONGSBERG MARITIME CM AS
310157	iDROP Oceanid™ Navigator (iDRONA)	IDROP AS
310153	Resirkulering av slagg til nye produkt	ELKEM ASA
310152	Etablering av beste praksis for innstrømningskontroll	RANOLD AS
310148	Flexible Marine Infrastructure for Future Energy Value Chains	Connect LNG AS
310142	Development of microbiome-based Precision Medicine tool for optimal immune-oncology treatment of cancer patients.	BIO-ME AS
310139	Robotic self-propelled pipeline multisensory scanner - ROMUS	EQUANOSTIC AS
310135	SoftSens - Soft sensor teknologi og avansert modellering for redusert energiforbruk ved papirproduksjon	NORSKE SKOG SKOGEN AS
310129	STRIVAN - Storage and Risk Value Analysis	STATKRAFT AS
310123	Adapting to the Individual through Machine learning	Terp as
310122	Konsept for styrket demokrativedvirkning	POSTLOCAL AS
310121	SynHouse – Kostnadseffektive boliger med plussenergistandard og lavt karbonfotavtrykk	SKANSKA NORGE AS
310116	Intelligent defect detection and predictive structural integrity assessment tools for safe topside piping system	KVÆRNER AS
310095	Closed Loop Data-Driven Manufacturing Variation Management using Industry 4.0	BENTELER AUTOMOTIVE RAUFOSS AS
310090	Reducing the agronomic and economic impact of ice damage on golf courses and other grasslands	NORGES GOLFFORBUND
310088	Utvikling av sterile planter til hage- og parkanlegg ved hjelp av CRISPR teknologi	ELITEPLANTER NORGE SA
310086	Next Generation Electro Membrane Extraction for Sample Preparation	G&T Septech AS
310084	Automatisert måling og sliping av propellblad	OSHAUG METALL AS
310081	RESIRKULERING AV PLASTFRAKSJONER - KVALITETSKONTROLL OG DOKUMENTASJON AV RESIRKULERT PRODUKT	NORWEGIAN PLASTIC RECYCLING AS
310080	Nedsenkbar oppdrettsmerd med fleksibel dybde og luftbobling for svømmeblærefylling hos laks	EIDE FJORDBRUK AS

Project number ↕	Project title ↕	Institution/company ↕
310079	Neste generasjon verdikjeder for rask respons, kundetilpasset vareproduksjon	GILJE TRE AS
310075	Zero emission cruise shipping	VARD DESIGN AS
310070	Development of a highly efficient and robust production pipeline for fast manufacturing of personalized DNA vaccines	VACCIBODY AS
310068	Et in situ system til alpinanleggene for bevaring av produsert og naturlig snø i og utenfor sesong utviklet for dagens og fremtidens vær.	ARCTIC COAT AS
310067	“Diginostics” - A novel diagnostic test for digital dermatitis in ruminants	ANIMALIA AS
310061	Energy Efficiency for Al Casthouse Furnaces	HYDRO ALUMINIUM AS
310059	Jarlsbergost for bedring av beinhele og lipidstatus	TINE SA
310055	Subsea-resident autonomous ROV with a minimal environmental footprint	IKM TECHNOLOGY AS
310043	OPENVR – Next generation virtual reality for human-centered ship design	VARD ELECTRO AS
310036	BevareIE - utvikle verdens sikreste og mest miljøvennlige digitale lagringsmedium	PIQL AS
310028	Sustainable and predictable future for fisheries in Antarctica	AKER BIOMARINE ANTARCTIC AS
310027	Enhancing Reservoir Characterization by Applying Machine Learning	RAGNAROCK GEO AS
310010	Ultralyd til å verifisere at sementeringen av ringrommet er impermeabel	EQUANOSTIC AS
310001	Optimal risk based short term decision making for aquaculture.	OPTIMEERING AQUA AS
309999	The digital foundation for value preservation in real estate.	WENN AS
309991	Low carbon Aluminium Heat Exchanger Products	Norsk Hydro ASA
309990	Flexible Design and Production of Specialized Ferro-Silicon Materials	ELKEM ASA
309984	Lyddempende rørsystemer for bygninger	PIPELIFE NORGE AS
309980	MATE - Mobile Autonomous Tool Exchanger	GKN AEROSPACE NORWAY AS
309977	Fjong 2025 - an endless, sustainable wardrobe. Powered by research in behavioral economy, environmental impact and artificial intelligence	FJONG NORGE AS
309970	Utvikling av bioraffineri fra damp eksplosjon prosess	Arbaflame AS
309966	AEOLUS+ - New generation digital wood stoves	JØTUL AS AVD FREDRIKSTAD
309964	Kvalitet og verdi i ensilasjeprodukter	SCANBIO INGREDIENTS AS
309959	Resirkulert tilslag fra betongslam med CO2-bindende egenskaper	MAPEI AS
309957	DEVELOPMENT OF A NOVEL PROCESS FOR THE APPLICATION OF KRILL AS ALTERNATIVE PROTEIN SOURCE IN HUMAN NUTRITION	RIMFROST AS
309947	Verdiskapende kundeopplevingar i kulturdestinasjonen Sunnfjord	Sunnfjord Utvikling AS
309936	The intelligent decision-making process for hydro scheduling	SKAGERAK KRAFT AS
309935	TCPR Link - Enhancing Volunteer - Dispatcher Teamwork in Cardiac Arrest	LAERDAL MEDICAL AS
309934	Greener maritime activities: implementing the use of water based Environmentally Acceptable Lubricants in the ship industry	Brunvoll AS
309931	Plug-In Electric Zero-emission Offshore-ship	Vard Design AS
309925	Produksjon av en ligninholdig nanocellulosekvalitet	NORSKE SKOG SAUGBRUGS AS
309923	Effektiv og miljøvennlige bilfergealternativ - EMBLA	NORWEGIAN CENTRE OF MARITIME COMMUNICATION AS
309921	Kvalifisering av nye barrierematerialer i P&A	INTERWELL P&A AS
309920	WONDERful Circular REST	WONDERLAND AS
309908	G-1001: development of a rapid, affordable, high-throughput cardiac test	GENTIAN AS
309900	Boosted photochromic response	SUNPHADE AS
309895	Increasing Operational Efficiency by Retrofitting Sensor-Based Anti-Swing Technology on Offshore Cranes	MACGREGOR NORWAY AS
309892	Reduksjon Av Kjøretid basert på dekomponering for markedsmodeller med detaljert vannkraft	Statnett SF
309884	Smart Condition Monitoring: Automatiserte tilstand og overvåkings systemer for maritime autonome roboter.	KONGSBERG MARITIME AS
309883	Automatisering/ robotisering av CL1000 produksjon	DIATEC MONOCLONALS AS
309881	Biosensoriske implantater for in vivo sanntidsmåling av stressindikatorer	ZIMMER & PEACOCK AS

Project number	Project title	Institution/company
309876	KORNMO - produksjonsoptimalisering, kvalitetsstyring og bærekraft gjennom verdikjeden for korn	FELLESKJØPET AGRI SA
309875	Coated Recycled Aluminium (CORAL) - developing surfaces for well-adhering and corrosion resistant coating systems	HYDRO ALUMINIUM AS
309865	Nanoformulated anti-fungals	Biosergen AS
309856	Development and production of Metal Alloys for powder-based Additive Manufacturing (MADAM)	ELKEM ASA
309852	Mikrofilament for optiske og katalytiske gassensorer	GASSECURE AS
309844	Real-Time Monitoring for Safe Geological CO2 Storage	GEOMECH ENGINEERING AS
309840	GLyCanCure - a first in class new drug for treatment of advanced forms of cancer	ARCTIC PHARMA AS
309829	Samskapt utvikling av smarte læringsspill i finansbransjen	LÆRINGSLIV AS
309820	Performance and Reliability of Ocean Suns floating photovoltaic Technology (PRO Sun)	OCEAN SUN AS
309810	COM-FLEX: Competitive Flexibility	Kværner Stord AS
309801	Development of off-the-shelf cell therapies for cancer treatment	ZELLUNA IMMUNOTHERAPY AS
309791	ListComplex - Software for risk assessment of Listeria in complex ready-to-eat products	ANIMALIA AS
309784	GreatView - Utsikt til mer enn du ser!	CreateView AS
309768	Utvikling av ny innovativ teknologi og konsept for bekjempelse av frittstående stadier av lakselus (L. salmonis)	BIOVIVO TECHNOLOGIES AS
309751	Wind energy in icing climates	NORCONSULT AS
309747	InhibioCaps: Encapsulation of Inhibio formulations for sustained antifouling effect.	INHIBIO AS
309727	Termoformede fiberprodukter med vann- og oksygenbarriere for matvareemballering	BEWI NORPLASTA AS
309721	Silicon Powered Lithium Ion Capacitor: versatile Energy storage platform	BEYONDER AS
309714	Digital twins for Operational Management Systems (OMS) and production analytics	PREDIKTOR AS
309712	Cost-effective Rotational Switch for SF6-free Gas Insulated Switchgears	ABB AS
309710	Miniaturised Optical ROAD Sensor	COMLIGHT AS
309707	Preparing for disease control by gene editing for a more sustainable livestock production	NORSVIN R&D AS
309700	Fleet-Oriented Intelligent Operation of Large Scale Edge System	TELLU IOT AS
309674	ArbaFeed - Samproduksjon av ArbaCore pellets og fôrprotein fra trevirke	ARBAFLAME AS
309663	ACCESS-AUV: Active towed docking stations for survey and sea-bed resident Autonomous Underwater Vehicles	USEA AS
309660	Trygg og energioptimal autonom seilas (Safe and Energy Optimal Autonomous Operations of Ships)	BRUNVOLL AS
309659	MODUS: Praksisnær, effektiv, skalerbar lederutviklingsapplikasjon	BJØRNSON AS
309651	Digitalization of multi-reservoir geothermal systems for optimal control of heat production, storage and peak-load management.	RUDEN AS
309641	Improved Sustainability for Concrete through SiMn Slag Valorization	ERAMET NORWAY AS
309640	Plasmabehandlet husdyrgjødsel - gjødselvirkning, miljøpåvirkning og klimagassutslipp	N2 Applied
309637	CatPack - digital design workflow for H2O2 Catalyst Packs	NAMMO RAUFOSS AS
309636	Construction site Zero Waste	SKANSKA NORGE AS
309633	VipiCash Intelligent Monitor (VIM) A monitoring tool for global remittance and Aid Markets using Artificial Intelligence technology	VIPICASH AS
309631	Metode for eksperimentbasert digital produktinnovasjon	DNV GL AS
309626	Intelligent Heated Wet Insulation for pipelines	SHAWCOR NORWAY AS
309622	Nye miljørestriksjoner – samlet innvirkning på kraftsystem	ENERGI NORGE AS
309621	Hurtigladbare Anoder av Silisium for Transport	CENATE AS
309614	Ultra-Sustainable semiconductor Substrates for tomorrow's solar cells	NORSUN AS

Project number	Project title	Institution/company
309611	Large scale single step genomic selection in practice	GENO SA
309603	Machine Learning for Transparent and Sustainable Investing	NORQUANT AS
309598	Sensegrid - a technology platform for monitoring and analysing real-time grid data.	HEIMDALL POWER AS
309596	Cameleonix: tilpasningssmarte strømformere for fleksibel, kostnadseffektiv og bærekraftig strømforsyning	PIXII AS
309594	Iris.ai - the AI Chemist	IRIS AI AS
309586	Development of a therapeutic anti-S100A4 monoclonal antibody to treat systemic sclerosis	ARXX THERAPEUTICS AS
309576	Clamp-on Mud Flow Rate and Quality Measurement	XSENS AS
309559	Norsk vegetar for fremtiden - Norske grønnsaker, belgvekster og korn i bærekraftige vegetarprodukter.	JÆDER ÅDNE ESPELAND AS
309557	BeneFIT - utvikling av dynamiske løsningsrom	RØROS DØRER OG VINDUER AS
309554	Enhancing quality and efficiency in the RFP to Production Lifecycle.	XAIT AS
309552	Automated Non Destructive Weld Inspection in Splash/Subsea zone	OCEANTECH INNOVATION AS
309546	Innovativ festivalpakketering Inferno og Beyond the Gates - kultur og reiseliv.	INFERNO METAL FESTIVAL
309537	Framstilling av omega-3 og omega-7 fra norske restråstoffer.	GC RIEBER OILS AS
309535	Utvikling av ny trålkonfigurasjon	NORDNES AS
309526	Overvåkning og deteksjon av hull i nøter for fiskeoppdrett.	MOWI ASA
309524	Aquaculture Digital Twin for advanced insight to improve productivity and control	SCALE AQUACULTURE AS
309521	Future Low-Emission Passenger Ships	FOSEN DESIGN & SOLUTIONS AS
309500	HoldbarSjekken: Testsystem for valg av riktig emballasje til frukter, bær og grønnsaker for optimal kvalitet og minimalt matsvinn.	BAMA GRUPPEN AS
309489	Ship CEMS Multigass	TUNABLE AS
309484	Innovative løsninger for fremtidens ventiler	ISIFLO AS
309469	Cost-effective fire resisting composite materials	SEA TECHNOLOGY AS
309466	DuDeS - Dust Detection System	ELKEM ASA
309464	SmartWing Infrastructure Failure Tracking and Emergency Response	KVS TECHNOLOGIES AS
309452	Can boar production be beneficial for meat industry, breeding, farmers, animals, the planet and people?	NORTURA SA
309451	Selection for reduced methane emission in Norwegian Red cows	GENO SA
309442	New platform technologies for development of a vaccine against CMS – NoVATion (New Vaccine Technology Platform)	PHARMAQ AS
309441	NEPP: Neste generasjon Pure-Pak drikkekartong	Elopak AS
309427	Faster Assembly by Learning	HAPRO ELECTRONICS AS
309416	Dyrking av søtkirsebær i potter- ny dyrkingsmetode for tunnelproduksjon	RYFYLKEFRUKT SA
309413	The value of grid information in flow-based market clearing	TRØNDERENERGI KRAFT AS
309406	Integrated Service & Safety Platform	AUTRONICA FIRE AND SECURITY AS
309400	Verktøykasse for klimatilpasning av boliger	NORGESHUS AS
309398	No depositon of spent potlining	ALCOA NORWAY ANS
309397	Deep Purple - H2Subsea - Undervanns infrastruktur for lagring og distribusjon av hydrogen	FMC KONGSBERG SUBSEA AS
309388	Nasal Decolonization to prevent post-surgical infections	PHARMA HOLDINGS AS
309384	Effekt av svømmetrening hos smolt; En grunnleggende studie	LERØY SEAFOOD GROUP ASA
309380	Thermomur byggesystem. Brannsikkert og bærekraftig	JACKON AS
309375	Genomic selection in Picea abies	STIFTELSEN DET NORSKE SKOGFRØVERK
309371	Intelligent Handheld Ultrasound Device	GE VINGMED ULTRASOUND AS
309370	Unmanned Aircrafts in All Future Airspace	RADIONOR COMMUNICATIONS

Project number ↕	Project title ↕	Institution/company ↕
		AS
309363	Bærekraftige og innovative trebygg opptil 8 etasjer med bindingsverk	STØREN TREINDUSTRI AS
309362	Sensor TEchnology for Green and Safe Airplanes-phase 2	MEMSCAP AS
309355	Robust and Automatic Drilling Model Configuration	SEKAL AS
309351	Surface treatment of Artificial Graphite for Anodes in Lithium-Ion Batteries	ELKEM CARBON AS
309350	Automated Well Intervention Planning and Method Selection	Stimline AS
309344	Tredjegerasjons storskala metode for programvareinnovasjon i autonome team	ITERATE AS
309328	Machine Piloted Unmanned Systems (MPUS)	RADIONOR COMMUNICATIONS AS
309327	3D posisjonering i sport og lek for å skape idrettsglede for barn og ungdom	PLAYFINITY AS
309326	Nordic Early Warning Early Prevention System	STATNETT SF
309315	Kollektiv for Balansetjenester	SKAGERAK KRAFT AS
309314	Throttling-free, ejector-based CO2 heat pump	WINNS AS
309307	AI-basert risikomodell for vegetasjon langs kraftlinjer	ESMART SYSTEMS AS
309305	Kystnær beredskap	NTS ASA
309293	Next generation of recycled food-grade polypropylene crates and compounds for returnable food packaging in the Norwegian Circular Economy	LYCRO AS
309289	Hypereutectic Alloys of Silicon and Aluminium for additive Manufacturing	ELKEM ASA
309288	FREMTIDENS LAKSEOPPDRETT	BREMNES SEASHORE AS
309286	Superior Temperature Resistant Aluminium Steering Shafts	STEERTEC RAUFOSS AS
309280	Development of Vikotherm R5	TRELLEBORG OFFSHORE NORWAY AS
309275	InSense: A life-changing tool to solve global problems for urinary incontinence	InVivo Bionics AS
309272	INNOVATIONS INTO THE FUTURE	Hydro Aluminium AS
309270	Tørke- og varmebehandlingsteknologi for effektiv reduksjon av bakterievekst og biofilmdannelse på maskiner i næringsmiddelindustrien.	AQUATIQ AS
309268	Heatwave Inflow Performance Source Characterization (HIPsource)	WELLSTARTER AS
309262	LiBan - Lignin-Based Performance Chemicals	BORREGAARD AS
309248	Rett pollinering for auka fruktsetjing , større avling og bedre fruktkvalitet i eple	NORSK LANDBRUKSRÅDGIVING VIKEN
309244	Dynamisk styrt partikkelstråling for effektiv kreftbehandling - MAMA-K FoU	KONGSBERG BEAM TECHNOLOGY AS
309238	Composite Pipeline Integrity Management System	DNV GL GROUP AS
309219	Elektrifisering av maritim transport og fremtidens havner	TRONDHEIM HAVN IKS
309217	APPROVal of Engineering Design models using OCX	DNV GL AS
309212	Automated and optimized planning for traders of farmed fish	MARITECH SYSTEMS AS
309190	Enabling next-generation maintenance processes by adding optimal scheduling support to VISAVI LivePlan	VISAVI TECHNOLOGY AS
309178	Oxygenated bioPolymers for biomedical applications	OXY SOLUTIONS AS
309159	Økt kunnskap om dyrevelferd hos norske verpehøns for en bærekraftig verdiskapning i norsk eggproduksjon - Velferdshøna	ANIMALIA AS
309082	Sensor and machine learning based interpretation of non-verbal communication.	LIFETOOLS AS