

FORMAS

ETT FORSKNINGSRÅD FÖR HÅLLBAR UTVECKLING

A SWEDISH RESEARCH COUNCIL FOR SUSTAINABLE DEVELOPMENT



The National Research Programme for Food

Formas Annual Open Call

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- **Formas**
- **The national research programme for food**
 - Calls
 - Applications for synthesis analysis projects: Why Formas want them and how they are assessed
 - How Formas work to encourage interdisciplinary proposals and why they are important
- **Formas's open call, in brief**
 - Evaluation of applications



Our vision

Knowledge creates a sustainable world



Agenda 2030

UN Sustainable Development Goals





Our assignment

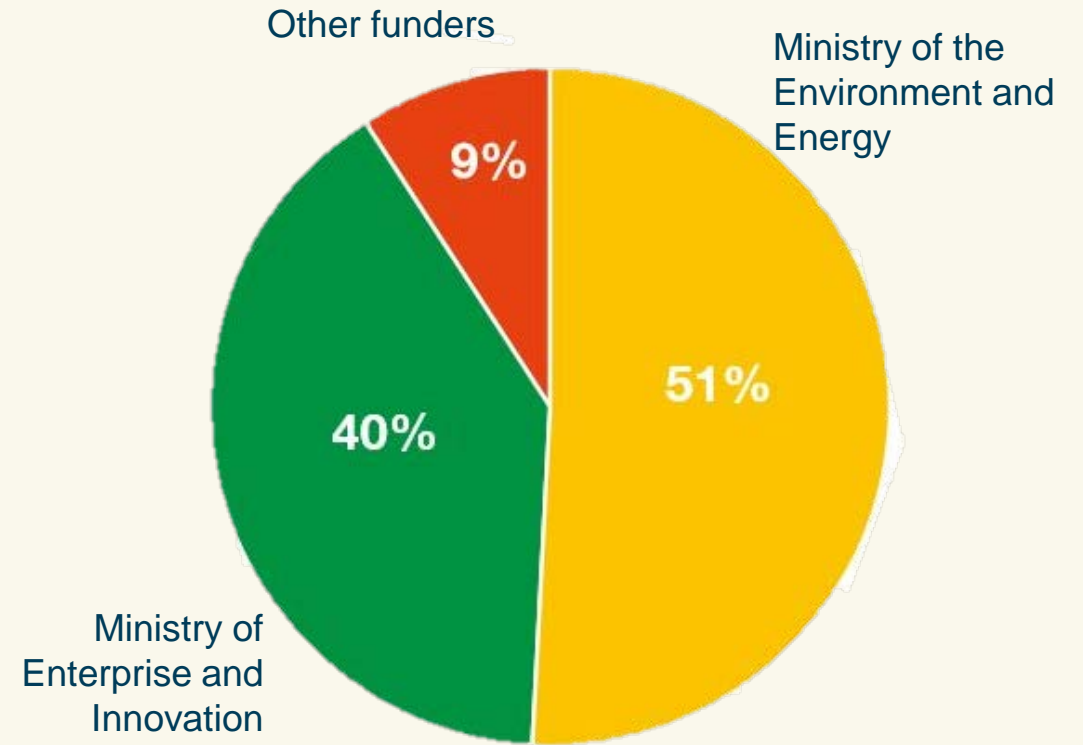
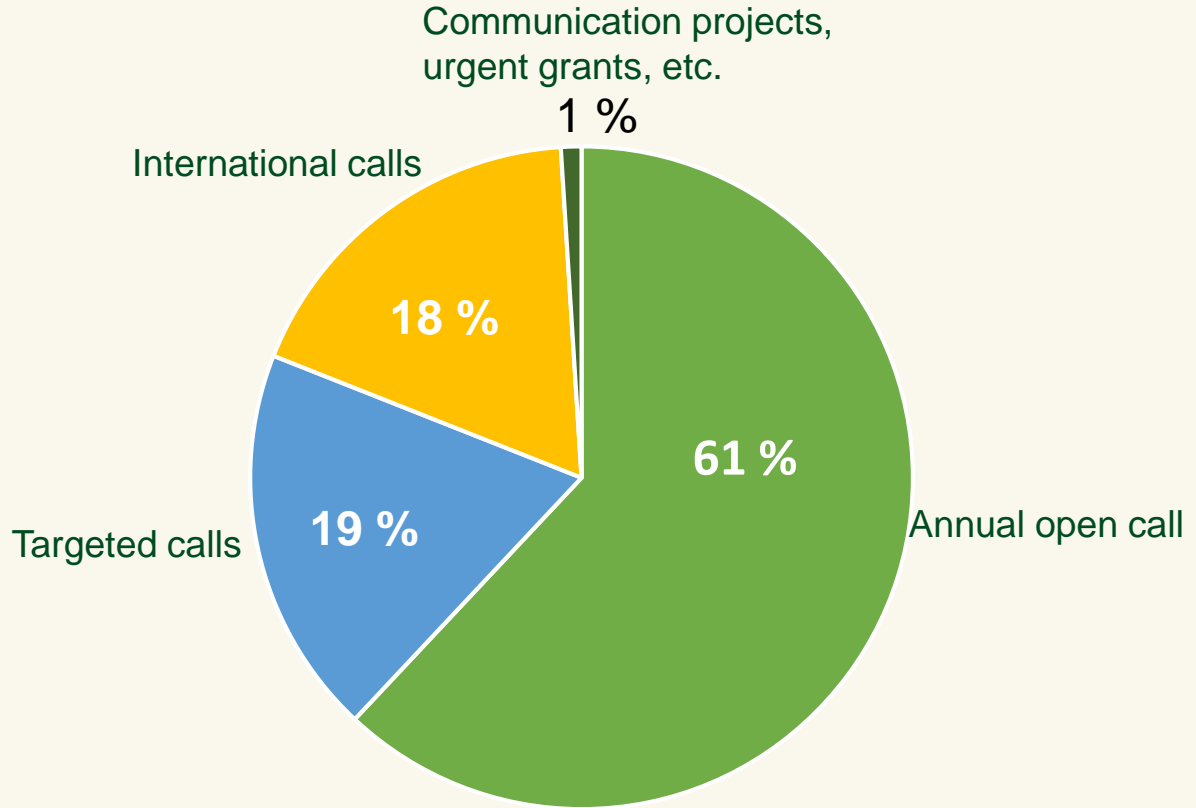
- Promote and support basic and applied research
- Provide limited financial support for innovation
- Evaluate, follow up and develop strategies
- Stimulate impact

From 1 Januari 2018

- Perform evidence-based environmental analyses
- Hosting the Swedish Climate Policy Council



Formas allocation 1,400 Million SEK





Formas types of calls

- **Recurrent and continuous funding**, e.g. annual open call
- **Thematic calls**, initiated by Formas or by the Government
- **National research programmes**, targeted calls within a number of 10-year programmes, in cooperation with other funders
- **Strategic Innovation Programmes (SIP)**, long-term programmes run by industry, funded by Formas, Vinnova and the Swedish Energy Agency
- **ERA-net Cofund**, within Horizon 2020
- **Global/bilateral**, e.g. within Belmont Forum



Our mission

We enable research for
sustainable development



The National Research Programme for Food



National research programmes

A governmental strategic research agenda:

- Create synergies between different actors
- Coordination of research funding and other activities
- Gender equality
- Platform for ongoing research
- Link to international programmes
- Effective use of infrastructure
- Research in higher education
- Interdisciplinary and intersectional research
- Activities for communication and use of research results



National research programme for food

Mission to Formas in “A National food strategy for Sweden – more jobs and sustainable growth throughout the country” (2016/17:104)

Action plan part 3 , June 1, 2017

Needs-driven research, innovation, dissemination and commercialization of research results and increased knowledge in the food chain





A national food strategy for Sweden

Prop. 2016/17:104

Vision 2030

The Swedish food chain in 2030 is globally competitive, innovative, sustainable and attractive to operate within.

Overall objective

Competitive food supply chain that

- increases overall food production, while
- achieving the relevant national environmental objectives,
- aiming to generate growth and employment, and
- contribute to sustainable development throughout the country.



A national food strategy for Sweden

Prop. 2016/17:104

Three strategic areas:

- Rules and regulations
- Consumers and markets
- **Knowledge and innovation**

The objective for the strategic area 'Knowledge and innovation' is to support the knowledge and innovation system so as to contribute to increased productivity and innovation in the food supply chain and the sustainable production and consumption of food.



Knowledge and innovation

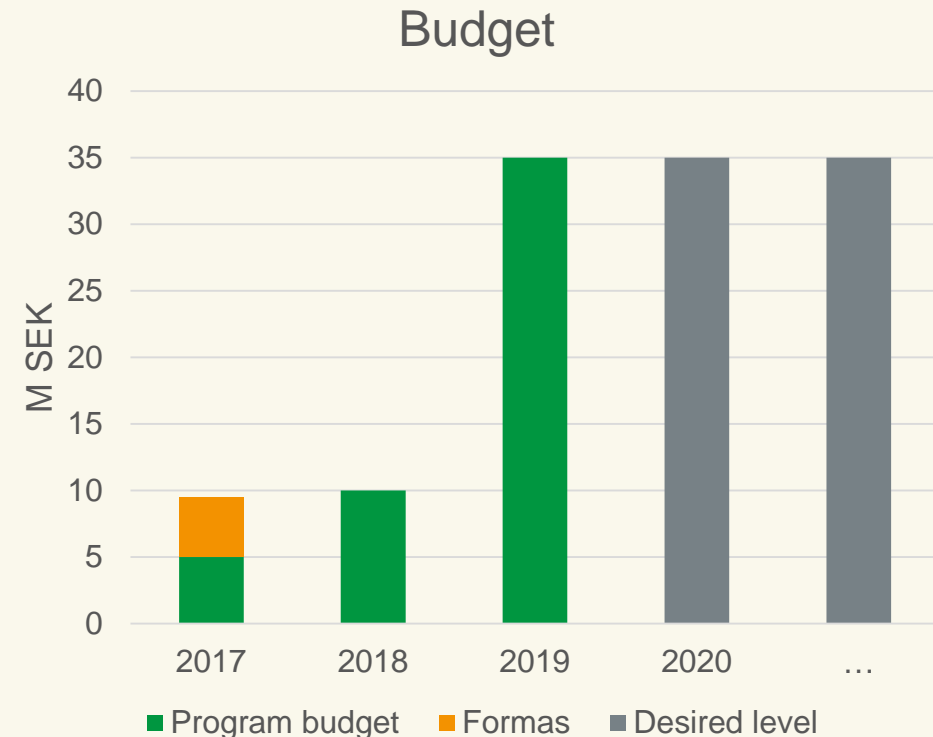
Some of the governmental priorities

- There is a need for increased coordination in the knowledge and innovation system for the food chain
- Applied and needs-driven research within the food chain is an important part of the strategy
- Food chain actors need to take active responsibility to formulate their needs in the knowledge and innovation system
- Dissemination and commercialization of research results
- Consultation and skills development for enhancing competitiveness in the food sector
- Relevant education and training to meet the needs for skills in that area



The national research programme – implementation

- 10-y programme
- Includes the entire food chain
- Based on a joint strategic research agenda
- Interdisciplinary
- Create synergies between actors
- Budget ambition min. SEK 35 million / year (from 2019 onwards)
- The National Committee for Food Research = Program Council





Programme council / National committee for food research

**Establish a National Committee for Food Research
(Formas instruction 2017)**

- **Inger Andersson, chairman**
- **Forte**
- **VINNOVA**
- **The Swedish Research Council**
- **Swedish Foundation for Strategic Research**
- **Swedish farmers' foundation for agricultural research**
- **Mistra**
- **Formas**

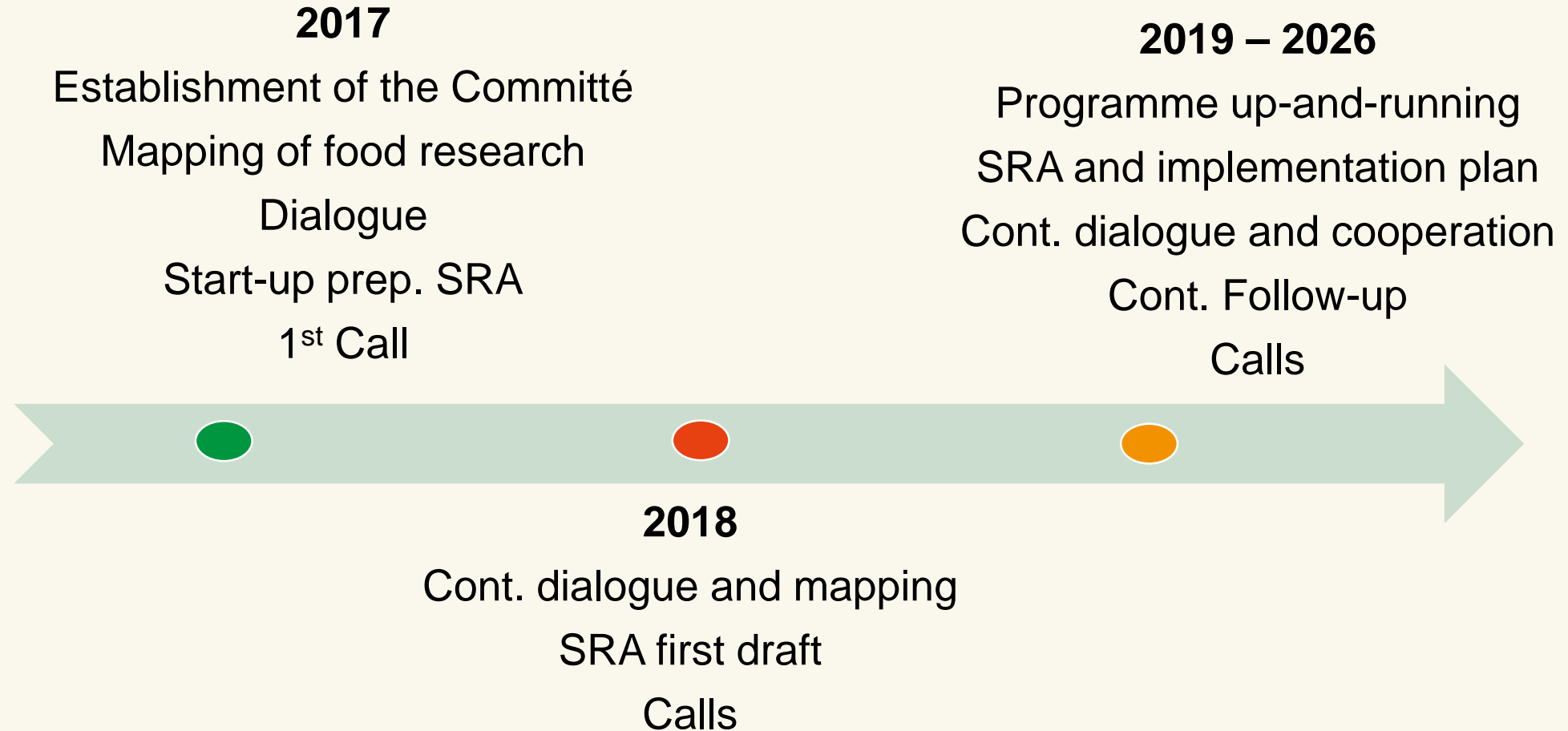


Dialogue and cooperation

- **Food producers and industry**
- **University and institutes**
- **Consumers**
- **Governmental agencies**
- **Others actors**



Timeplan – overview





The national research programme for food – calls

First call summer 2017 – synthesis within food

Second call – Research projects – food in a circular economy and Proof-of-Concept

More calls are foreseen over the course of the programme



The national research programme for food – 1st call

Syntheses within the food area

The call welcomes syntheses that illuminate the knowledge status for current topics within the food area that are relevant to social challenges and the global goals for sustainable development.

Synthesis – a process through which several research studies are evaluated for the purpose of summarizing results that concern a specific topic

- Provide added value in addition to a review of research results – knowledge status, knowledge gaps
- *Systematic* review of the literature and *clear* methodology – how compile, select and synthesise the literature



The national research programme for food – 1st call

Evaluated by international panel

- Researchers with relevant scientific competence, and
- Panel members with expertise to evaluate societal relevance
- Experts with expertise and experience of synthesis as a methodology

Formas evaluation criteria with specific additions for methodology and scientific competence

22 applications of which 7 projects were granted a total of 9,5 MSEK

Project period 2018

Deliverables: a scientific article and a report written in Swedish.



Funded projects – 1st call

Project leader	Organisation	Project title
Walter	Umeå universitet	Gastronomy as a link between the Swedish food production and consumption. On the importance of culinary arts research for the development of the food sector.
Gunnarsson	Sveriges lantbruksuniversitet	Efficiency and Sustainability of Future Animal Food from Swedish farms and water – The primary production
Wennergren	Linköpings universitet	The role of collaborative efforts around resource distribution and recycling logistics in creating effective and sustainable Swedish food system.
Fernqvist	Sveriges lantbruksuniversitet	Innovation systems for a sustainable agri-food sector - a review and knowledge synthesis
Sevilla Ziegler	RISE	Synthesizing the environmental performance and nutritional values of seafood - a basis for optimizing future diets for health and sustainability
Hedin	Kungliga Tekniska högskolan	A systematic review of the scientific literature on digital interventions for more sustainable food consumption behaviours
Olson	Sveriges lantbruksuniversitet	Plant Protection for Sustainable Food Production



The national research programme for food – 2nd call

- **Research projects – Food and the consumer in a circular and innovative food system**
- **Proof-of-Concept for Food**



Food and the consumer in a circular and innovative food system

Aim:

- to strengthen the knowledge base about food in a circular and biobased economy, focusing on
 - Products and processes, and
 - Consumer and market
- to promote collaboration between researchers and industry / other actors



Food and the consumer in a circular and innovative food system

Products and processes

- Innovative, interdisciplinary projects, system perspective
- Great importance is given to the relevance of the projects and the potential to meet identified needs for the food sector or in the society in general
- Collaboration and cooperation between academia and industry / other stakeholders are strongly encouraged

Consumer and market

- Interdisciplinary or disciplinary projects depending on the research question
- Novelty and relevance
- Dialogue with relevant actors is encouraged



Food and the consumer in a circular and innovative food system

Who can apply:

The main applicant should be a researcher who holds a Ph.D. and is currently employed at a Swedish university, university college, research institute or a governmental agency that engages in research

Co-applicants does not have to have a Ph.D.

General conditions:

Research projects

Length of project: Up to 3 years

Project period: dec 2018 - dec 2021 (funding period 2018-2020)

Each project can apply for: Up to 2.5 million SEK/year



Food and the consumer in a circular and innovative food system

Other:

- Formas allocates: Up to 75 million SEK
- The funding is divided between the focus areas Products and Processes, as well as Consumer and Market
- Applications are assessed on the basis of scientific quality and social relevance
Cooperation and collaboration with business and other stakeholders is encouraged
- Business partners contribute with their time and expertise in-kind
- The relevance of the projects, to the food sector and society in general, and to the potential of the project results to meet an identified need is of major importance



To think about...

- Write in English!
- Encourage co-applicant to register CV and publications in time
- You may apply both in this call and Formas Annual Open Call
- If fulfilling the requirements you may apply in both calls within the programme
- The size/budget for the project and expected results - **"value for money"**
- Societal relevance may be both nationally and internationally
- Describe equality and gender aspects for the research question as well as the group, target groups etc.
- Address all criteria clearly
- Expert panel gets the same information as you do..



Call for Proof-of-Concept

Aim:

- to bridge the gap between research and utilization / commercialization of research results
- increase the use of research results and ideas from researchers at universities, colleges and research institutes

PoC projects throughout the entire food system, verifying the suitability and usability of a method, product or process and establishing a strategy for long-term utilization / commercialization of the research results

For example, PoC projects may comprise market analyses, consumer analyses, patent strategies, technical verification, etc.



Proof-of-Concept general conditions

Research projects previously funded by Formas or The Swedish Research Council between 2010 and 2017.

The funding may be used to verify the usability and appropriateness of a new method, product or process developed from a previous research project and to establish a strategy for utilization / commercialization.

Formas recommends that projects communicate with commercialization experts and users of the results to confirm the need for utilization / commercialization.



Proof-of-Concept general conditions

Who can apply: Researcher (Ph.D.) currently employed at a Swedish university, university college, research institute or a governmental agency that engages in research

Each project can apply for: 200.000 to 1.5 million SEK/year

Length of project: 6 months up to 1 year

Formas allocates in total up to 7.5 million SEK



National research programme for food – Calls 2018

- Open March 8
- Close April 26 at 2:00 pm
- Evaluation June to September
- Funding decision November 14
- Project start December 1

Call texts and information about the application process www.formas.se



Questions?





Formas annual open call 2018

- All fields of research within Formas' mandate
- Research projects and mobility grants
- 15-20 percent of applications are awarded grants
- Review in 10 panels





Formas' annual open call 2018

Grants for
research and
development
projects

Grants for
research and
development
projects for
future research
leaders

Mobility starting
grants for
researchers
early in their
career



Formas' annual open call 2017

Total number of applications: 1 246 applications, 213 funded (17 %)

Mobility starting grants: 133 applications, 24 funded (18%)
(2016: 106 appl., 21 funded 20 %)

Future research leaders: 308 applications, 53 funded (17%)
(2016: 299 appl., 60 funded 20 %)

Research and development projects: 805 appl., 136 funded (17%)
(2016: 705 appl., 139 funded 20 %)



General conditions

- One project proposal as project leader
- Max. one ongoing project in Formas' annual open call
- All applicants must have a doctoral degree (Mobility starting grant October 1, 2018)
- Grants can only be administered by Swedish universities, university colleges, research institutes or Swedish authorities



Grants for
research and
development
projects

- Research and development projects
- Three consecutive years
- Salary costs, running costs, equipment depreciation costs and premises costs
- Max project budget of 1 MSEK per year (average)



Grants for
research and
development
projects for
future research
leaders

- **PhD within 2 to 8 years (i.e. January 1 2010 at the earliest, and December 31 2016 at the latest)**
- Research and development projects
- Three consecutive years
- Salary costs, running costs, equipment depreciation costs and premises costs
- Max project budget of 1 MSEK per year (average)



Mobility starting
grants for
researchers
early in their
career

Mobility grant to encourage researchers early in their carrier to work in new research environments (one or more) abroad, or in Sweden

To develop their academic career, learning new tools, working on research questions with a different focus and expand their networks



Mobility starting
grants for
researchers
early in their
career

- PhD max 3 years (i.e. January 1 2015 at the earliest, and October 1 2018 at the latest)
- Grant for 24-48 months
- Home and host organization
- Invitation from home and host



Mobility starting
grants for
researchers
early in their
career

- Applicant's salary at the home organization (current salary or corresponding starting salary)
- Overhead and premises costs according to practices at the home organization
- Travel expenses and costs for living in host country for applicant and family (standard sum added by Formas)
- Running costs and costs for equipment NOT granted



Review Panels

1. Climate change
2. Water – from source to sea
3. Ecosystems and biodiversity on land
4. Environmental pollutants
5. Food production
6. Animal health and welfare
7. Consumption, production and material resources
8. The built environment
9. Urban and rural environments
10. General governing policies, implementation and monitoring





Review Panels

A total of 15-20 panel members including chair and vice chair

Active researchers (majority) and stakeholders

All panel members evaluate scientific quality and societal relevance

When necessary, external reviews are included as a supplement to a panel review



Evaluation of applications

The panel members indicate level of competence for each application in the panel. If there is not enough competence external reviews are used

Four reviewers per application

Panel meeting to discuss and rank the applications



Conflict of interest

A panel member cannot submit an application to the panel they are a member of

Obligated to declare conflict of interest – at any time

Do not read/assess application and leave the room when the application is discussed

Minutes concerning conflicts of interest are kept during panel meeting



Evaluation criteria

Scientific quality

Research question

Method and performance

Scientific competence

Societal relevance

Societal value of research question

Communications with stakeholders /users

Reviews are made solely
on the information in the
application

Address each criterion
clearly!



Societal relevance

Describe your project in a larger context in relevance to society
(Swedish/European/Global)

Describe and motivate the societal relevance of your project – the
evaluators assess what is written and do not read between lines

Communication – Support to address the communication criterion



Formas' annual open call 2018

- Open March 1
- Close April 12 at 2:00 pm
- Evaluation June to September
- Funding decision November 14

**Formas' telephone information service and chat
open April 9rd to 12th 9:00 am – 4:00 pm
(closed lunch 12:00 – 13:00)
+46(0)8-775 4005**

**Call texts and information about the application process at
www.formas.se**