ACADEMY OF FINLAND

CALL FOR APPLICATIONS

APRIL CALL: 1 March–25 April 2018

Call closes at 16.15 local Finnish time.

The Academy of Finland funds cutting-edge, responsible and high-impact research and promotes the renewal and regeneration of science. We are Finland's leading expert organisation in science and science policy. Our funding is based on open competition and independent peer review.

We promote the internationality of research and good scientific practice. We require that the researchers and sites of research we fund follow the research-ethical guidelines of the Finnish Advisory Board on Research Integrity.

In 2018, our funding for research amounts to 444 million euros. Part of our funds (€70.7m in 2018) come from proceeds of Finland's national gaming company Veikkaus.

Read more about us on www.aka.fi/en.

CONTENTS

STEP-BY-STEP GUIDE TO APPLYING

- **Read key sections of** the call text: the guidelines for applicants, the guidelines specific to the scheme from which you're applying for funding and the appendices that concern the scheme.
- **Make sure you have a commitment from your site of research** (usually a university or research institute) to supporting the project.
- **Log in to** our online services when the call opens. Update your personal details.
- **Start drafting the application and its appendices as early as possible.** You can draft appendices even before the call opens, and update the application form until the call closes.
- **Draft the appendices** (e.g. research plan, CV and list of publications) **following the guidelines provided**.
- **Get to know** the review forms and the review criteria**,** and make sure to consider them when writing your research plan. You may save and update the appendices until the call closes.
- **You can fill in the application section by section.** Make the scientific abstract interesting and descriptive, and provide several detailed **keywords** (at least research topic, material and methods). Also take some time to write a readable **popular description**. Remember to save the form every 60 minutes. *Submit* the application only after you've filled in all obligatory information.
- **Consult your site of research when filling in budget details.** You'll need these: percentages for overheads and indirect employee costs, coefficient for effective working hours and details on VAT practice. Justify each cost item in the research plan.
- Show the finished application to a colleague and **make the most of the feedback**.
- **Submit the application** (incl. obligatory appendices and details) **well before the closing date.** The system will only accept applications that contain all obligatory information. You can edit and supplement the application until the deadline expires. You can't edit or submit the application after the deadline has expired.

Information on decision dates is available on our website. We'll update the information as it becomes available. After the funding decision has been made, we'll send you an email with a link to the online services, where you can view the decision and any reviews drafted on your application.

You'll find answers to most questions in the call text **and its appendices.** If you have questions about the call, get in touch with relevant representatives at your site of research or the call's contact person.

If you have questions for us after submitting the application and before the decision is made, please call or email the call's contact person. After the call has closed (April 2018 call), you'll receive an email about the application process from the contact person.

1. GUIDELINES FOR APPLICANTS

In a nutshell

The Academy of Finland grants funding in open competition for research of the highest possible quality. We offer many different funding opportunities, and you can apply for funding to

1) hire a research team, either under an open theme (e.g. Academy Project funding) or under a specific, pre-determined theme (e.g. Academy Programmes and other targeted opportunities)
2) cover your own salary for research under an open theme (e.g. Academy Research Fellow grants and Postdoctoral Researcher grants)
3) improve research environments (e.g. funding for research infrastructures and funding to strengthen university research profiles).

Because different funding schemes have different objectives, we have set conditions that determine who can apply for our funding and what the funds can be used for. These conditions are specified separately for each funding opportunity. A common feature of all Academy funding is that it is always paid to and via a site of research (usually a university or research institute) that is in compliance with the Finnish Act on Discretionary Government Transfers. Before you submit your application, you must check with your site of research that you will obtain their commitment to the research.

Applications can be submitted only when calls are open. Make sure to draft your application following the guidelines we have provided and submit it via our online services. An application consists of an application drafted in the online services and its appendices (research plan, curriculum vitae, list of publications, etc.).

[Our step-by-step guide to applying](#) gives you a rundown of the most important steps involved in submitting an application to the Academy of Finland. Another important section on our website that you should familiarise yourself with is [How applications are reviewed](#).

Are you eligible to apply?

If you want to apply for research funding from the Academy of Finland (the term we use for applicants is 'principal investigator'), you must be a researcher with a doctoral degree or a researcher at the professor or docent level. In some of our funding opportunities, the applicant is a university or research institute. Any other possible types of applicants (such as in the case of mobility grants based on bilateral agreements) will be specified separately for each funding opportunity concerned.

We allocate funding based on peer review to the best researchers and research teams and to the most talented early-career researchers to support them in carrying out scientifically ambitious projects. In principle, the projects we fund must benefit Finnish research and society and international collaboration.

Academy funding is paid to and via a site of research (usually a university or research institute) based in Finland. The funding can be granted to foreign sites only in exceptional cases, such as in the case of international research infrastructure projects. As an applicant, you must have a close connection with Finland to support the implementation of a multi-year project. You must describe this connection in the

application. Academy-funded researchers may also spend time working abroad during their funding period.

Restrictions related to applying

We will not process a funding application if the applicant has been found guilty of research misconduct in the three years preceding the year of the call.

Academy Programme funding cannot be granted to a person who has participated in the planning of the programme to an extent likely to give them a comparative advantage over other applicants. This applies to, for example, members and permanent experts of preparatory and programme committees for Academy Programmes.

WHAT DOES THE FUNDING COVER?

What the funding covers depends on the funding opportunity. You can apply for Academy funding to cover, for example, the following direct research costs:

- research team salaries
  - As a rule, staff hired with Academy research funding must have an employment relationship. We recommend a period of employment no shorter than the funding period, unless a shorter contract is necessary for special reasons dictated by the implementation of the research. Short-term research, study or other assignments may also be carried out in the form of outsourced services, if it is determined to be necessary for the project.
- salaries of researchers returning to Finland
- essential implementation costs
- travels
- collaboration and mobility in Finland
- international collaboration and mobility
- mobility allowance for spells abroad
- preparation of international projects
- publishing (e.g. costs of open-access publishing).

We require that the site of research (e.g. university) provides the research project with **all necessary basic facilities**. These are determined based on the nature of the research and are the same as those available to other research staff at the site: office and laboratory premises, equipment (incl. computer equipment), and telecommunications, telephone, mailing, copying and library services, etc.

When the site of research is a university or a research institute, as a rule, the funding must be applied for VAT included. Consult the financial administration at the site of research for more information. The funding may also cover VAT costs, but only on certain conditions; read more under How to enter value added tax on the application.

In the application, provide a **cost estimate** including an estimate of the annual amount of funding needed, itemised by type of expenditure. Also include a **funding plan**, that is, all funding granted for the project as well as funding that will be provided by the site of research if the project is launched. The cost estimate must be realistic and justified by type of expenditure in the research plan.

We fund researcher mobility within projects and with a separate scheme

The Academy of Finland provides funding for international researcher mobility within research projects and with a separate funding scheme.

In research projects (e.g. Academy Projects, projects in Academy Programmes, targeted projects, research costs in connection with research posts), this funding is applied for as part of the project's research costs:

1) mobility allowance for mobility from Finland as part of a project's research costs; recommendation:
   - researchers with dependent children: €1,500/month
   - researchers without dependent children: €1,050/month

2) grants to non-EU researchers coming to Finland to work for periods shorter than a year

3) salary funding for researchers other than the project PI
   - salary funding for international researchers' work in Finland
   - salary funding for researchers returning to Finland
   - salary funding for the project's researchers' work abroad during the funding period

4) salary funding for the project PI (under certain limitations) who works abroad or returns to Finland (see Salary costs of principal investigator (under certain limitations) below).

In our funding scheme *International researcher mobility based on bilateral agreements* you may apply for research grants or personal grants independently of research projects. This mobility funding is applied for in September.

Read more in Appendices 1 A–C of the April 2018 call text and on our website: Calculation of support to international researcher mobility.

Salary costs of principal investigator (under certain limitations)

Academy funding for research projects (Academy Projects, targeted projects and Academy Programme projects) is primarily **intended for the salaries of full-time researchers working on the projects and for other research costs**. The PI's salary costs may under certain limitations be incorporated into the total project costs.

1. Including PI's salary (for project management) in total project costs

The PI's salary costs may be incorporated into the total project costs in accordance with what is stated in the research plan. For the salary costs to be eligible, **the PI's tasks must be clearly specified** in the research plan (under *Implementation*). In the application, indicate the salary under *Project funding > Salaries*.

The salary costs must not be significant in relation to the project's total costs. For example, a four-year research project must not include more than six months of the PI's effective working hours. This is equivalent to approximately 1.5 months a year.

2. Applying for funding for PI's salary (for research)

The Academy can grant a maximum of twelve months of funding towards the salary of a PI for conducting research.

The funding is intended to support project implementation and granted **only for well-substantiated research-related reasons** (e.g. work abroad, return to Finland or transfer to another research organisation in Finland).

The well-substantiated reasons and the PI's tasks must be clearly presented in the research plan (under *Implementation*). In the application, indicate the salary under *Project funding > Salaries*. The funding cannot be used for this purpose unless it is mentioned in the terms and conditions included in the funding decision.

3. Granting salary funding to PI with no employment relationship

If the PI does not have an employment relationship with, for example, a university or research institute, they must give an account of how their salary will be covered during the funding period. Applicants must describe this at the application stage.

Retired researchers can be granted funding on the same grounds as other researchers.

HOW TO WRITE THE APPLICATION

Follow good scientific practice

Academy-funded research must be conducted following the principles of good scientific practice (promoting open science, promoting equality and nondiscrimination, treating research-ethical issues appropriately, and considering principles related to IPRs). The principles of sustainable development should also be considered.

All results produced with funding from the Academy of Finland must be made public.

The Academy is committed to following the [guidelines of the Finnish Advisory Board on Research Integrity](#) and requires that Academy-funded researchers and sites of research respect the same guidelines.

We also recommend that you follow the European Code of Conduct for Research Integrity. ALLEA (All European Academies) [published the revised edition of the Code of Conduct on its website](#) in spring 2017.

For more information on open science, see Appendix 2 of the April 2018 call text.

Read the review criteria

Our funding is based on a review of the scientific merits of the research plan and the applicant. We mainly use foreign experts as reviewers. As an applicant, you have the right to submit your application in Finnish or Swedish, **but we ask you to submit it in English in order to:**

- facilitate international peer review
- ensure an equal preparation of funding decisions
- ensure a smooth processing of applications.

To ensure a successful review, it is important that – in addition to the correct **research council** and **research fields** – you also enter **keywords describing your research, research methods and data**. For more information, see [Research fields](#) and [Research field classification](#) on our website.

Our review process is presented on our website under How applications are reviewed and Guides for reviewers. We are currently working on improving the review process. The criteria applied in the review are presented under Review criteria. Please familiarise yourself with the criteria and the guidelines.

For justified reasons, we may decide not to review or process an application. The reasons that we consider in these cases are listed on our website: Review criteria.

What is a consortium (in Academy Project calls, Academy Programme calls and targeted calls)?

In calls that concern funding for research teams (Academy Project funding, Academy Programme funding and targeted funding), principal investigators apply for **funding for their research teams. In calls that concern personal funding** (e.g. funding for research post as Academy Research Fellow, Academy Professor, Postdoctoral Researcher or clinical researcher), researchers apply for **funding independently for themselves** and with their own research plan.

In calls for research teams, funding may be applied for (or the Academy may require that funding is applied for) **as a consortium, a fixed-term body of independent subprojects** that work under a joint research plan. By coming together as a consortium, projects may tackle more extensive research problems, for instance.

From the perspective of the Academy's application process, **a consortium is an application built around a joint research plan, where each party to the consortium applies for funding from the Academy**.

In Academy calls, collaborators who have an important role in the implementation of the research plan but who will not apply for funding as consortium subprojects are not regarded as consortium parties. This applies to, for example, foreign research organisations; the Academy cannot grant funding to foreign research organisations. Under *Collaborators* on the application form, describe how other Finnish or foreign researchers working with their own funding will contribute to the project.

The Academy treats the consortium PI's and the subprojects' joint consortium application as one application, although the funding is granted to each subproject separately.

The cost estimate and funding plan presented in the consortium application must be drafted considering possible consortium size restrictions and the total funding available for the call concerned.

Appendix 4 of the April 2018 call text shows an illustration of the technical process of drafting a consortium application. The joint consortium application is submitted by the consortium PI. The PI can submit the consortium application only after all subprojects have tagged their applications as complete. This procedure applies to consortium applications for both letters of intent (first call stage) and full applications (second call stage). Consortium compositions cannot be changed after the call deadline has expired.

Consortium PIs must check the status of the consortium application in the Academy's online services to make sure that the subprojects complete their applications in good time before the deadline.

Read more under Guidelines for consortium application on our website.

HOW TO STRUCTURE THE APPLICATION

The application consists of a research plan, other appendices and the online form

1) Follow the guidelines on appendices

You can make your application easier to review by drafting the appendices according to the guidelines we have provided.

For guidelines on how to draft appendices, see Appendices required on our website (e.g. Research plan guidelines, Curriculum vitae guidelines and Guidelines for list of publications).

Draft your CV according to Advisory Board's and Academy's guidelines

Draft your CV appendix following the CV guidelines of the Finnish Advisory Board on Research Integrity and the CV guidelines of the Academy of Finland, taking into account the nature of the call, your research career stage and the practices of your scientific discipline. The CV is a concise presentation of your most important scientific merits in relation to the call concerned. We recommend that CVs be no more than four pages long.

Guidelines about the research plan

Structure the research plan following the guidelines, read the review questions

To ensure the uniformity and quality of the review, applications must be comparable. The research plan should provide answers to the questions raised in the review. The research plan should therefore be structured following the instructions given.

Read more under Research plan guidelines on our website. Below is a description of some parts of the research plan.

Follow the Advisory Board's guidelines

The ethical issues of the research must always be described in the research plan (under *Ethical issues*); they are examined as part of the scientific review. See the guidelines of the Finnish Advisory Board on Research Integrity.

We require that all Academy-funded research is conducted following the guidelines of the Finnish Advisory Board on Research Integrity, including the recommendations on ethical review in human sciences. We also recommend that you follow the European Code of Conduct for Research Integrity.

The research plan includes a publication plan

The research plan should include a publication plan that has been drafted keeping in mind the principles of open science. Make sure that the plan is realistic and outline it under item 3 C of the research plan.

Research plans describe both scientific impact and impact beyond academia

The research plan should include descriptions of both the research project's scientific impact and its expected impact beyond academia. Include these descriptions under item 3 B of the research plan. Impact beyond academia may come in many different forms depending on the research field and the project. Science is a source of wealth

and prosperity, but it also improves our understanding of the world and enhances the level of civilisation, supports the development of good practices and informs decision-making.

2) Fill in the online form as requested

You must briefly describe your mobility, collaborators and use of research infrastructures on the application form and justify them in the research plan.

Include a mobility plan

Under *Mobility*, describe how you or the project's other researchers will be mobile in Finland and abroad during the funding period to support the project and the implementation of the research. Justify the mobility destinations in the research plan.

Collaborators for which funding will not be applied

Under *Collaborators*, describe how other Finnish or foreign researchers working with their own funding will contribute to the project. (This does not apply to consortium parties in the case of consortium applications.)

Describe your use of research infrastructures

Under *Research infrastructures*, describe which international and national research infrastructures you will use and how this will benefit the project. Select the roadmap infrastructure(s) from the menu or enter other infrastructures under *Other*.

Research infrastructures refer to a reserve of research materials, services, equipment and facilities enabling research and development as well as researcher training and development of research and innovation capacity. Read more at infras.openscience.fi and on our website under Research infrastructures.

HOW APPLICATIONS ARE SUBMITTED AND BECOME PENDING, PUBLICITY AND PROJECT DESCRIPTION

How applications are submitted and become pending: late applications will not be accepted

Applications for the Academy of Finland's April 2018 call can be drafted and submitted in the online services as of Thursday 1 March 2018. The deadline for applications is Wednesday 25 April 2018 at 16.15 local Finnish time, unless the call text indicates otherwise. The non-negotiable call deadline also applies to consortia.

Please note that consortium PIs can submit the consortium application only after all consortium subprojects have tagged their applications as complete. International calls may have other deadlines. To ensure smooth drafting and submission, please submit the application as early as possible.

According to section 17 of the Finnish Administrative Procedure Act and section 8 of the Act on Electronic Services and Communication in the Public Sector, the sender is responsible for the application arriving by the set deadline.

An application becomes pending at the Academy when the online application and the obligatory appendices **have been submitted** in the online services. The system will confirm a successful submission by sending an email to the address provided by the applicant.

Please note that you cannot submit a full-costing-based application in which the Academy's contribution to funding is higher than the percentage indicated in the call text. Do not use a space as the thousands separator on the budget pages. The system will not accept applications that lack obligatory details or appendices.

Append only the requested appendices to the application, in PDF format, and make sure not to exceed the maximum lengths indicated in the guidelines.

For guidelines on how to submit an application in the Academy's online services, see our How-to Guide. If you run into problems in the online services at the time of submission, please contact us (the contact persons are named in the call text) before the deadline expires, either by phone or via Questions and feedback on our website.

Supplement the application if necessary and always notify us of other funding

You can make changes (e.g. change appendices) in an application you have submitted to the Academy, but you must make them **before the deadline expires**. To do this, log in to the online services, open the application, make the necessary changes, and save the supplemented application by the set deadline. You will not receive any confirmation message when you supplement and re-save an application.

If you notice that your application lacks important information **after the deadline has expired**, immediately get in touch with the call's contact person, who can open the application so that you can add the missing information. Make sure to re-submit the application after you have supplemented it. You will receive an email confirmation after the resubmission.

See the instructions on how to supplement a consortium application on our website.

We will take into account the additions insofar as it is possible in view of the review and decision-making process. An important addition is, for instance, an invitation by a foreign university.

Do not submit any new appendices via the so-called additional information feature; such appendices will not be saved as part of the application.

You must immediately notify us if you receive funding from other sources for the same purpose after your application to the Academy has been submitted.

Publicity of applications

Under the Finnish Act on the Openness of Government Activities, an application and its appendices are public information; research plans, plans of intent, abstracts and progress reports, however, are not. For example, the CV is a public document and as such must not include any confidential information.

Write a popular description of the project

The popular description of the project is an important part of the application. The description is a way for the Academy and researchers to disseminate information on Academy-funded research to the research community, stakeholders and the public at large. The description should therefore be as readable as possible, written for a nonscientific audience. It must give the reader a summary of the key points of the research. Read more under Public description of project on our website.

The description must not exceed 1,000 characters. The public description is not the same as the scientific abstract included in the application; the abstract must not exceed 2,500 characters.

If a project is granted funding, we will publish the description of the project on our website. The description is written by the applicant when drafting the application. **We cannot edit project descriptions – it is the applicants who are responsible for the content, clarity and style of the descriptions.** The descriptions will remain accessible on our website for several years.

Finnish- or Swedish-speaking applicants write their descriptions in Finnish or Swedish. All applicants must also write a description in English to facilitate international peer review.

2. GUIDELINES FOR SITES OF RESEARCH

Terms and conditions for funding

Funding by the Academy of Finland is granted following the Finnish Act on Discretionary Government Transfers and the Academy's general conditions for funding.

The Academy will fund a research project only if the site of research undertakes to provide the researcher with the necessary basic facilities for research.

We allocate the funding to the researcher's host organisation. The host organisation receiving the funding is permitted to use it solely to fund the research carried out by the PI named in the funding decision. Staff to be hired with Academy research funding must have an employment relationship with the site of research or the organisation receiving the funding.

Grants for research abroad (mobility grants awarded under the funding scheme *International researcher mobility based on bilateral agreements*) may also be allocated directly to the researcher.

Our general funding conditions are the same irrespective of whether the case involves a central government organisation or a recipient of discretionary government transfers.

The funding is regarded as a discretionary government transfer if the recipient is a nongovernmental organisation (e.g. university, independent public institution, municipality, joint municipal authority, association, business, foundation, foreign organisation or private individual). The funding is allocated to the host organisation – not the researcher – and the organisation is thus regarded as the recipient of the transfer (as per the Finnish Act on Discretionary Government Transfers), and will accordingly be required to assume all related obligations.

For detailed conditions and guidelines (revised annually) on use of funding and reporting, see How to use the funding on our website.

We fund research organisations

A research organisation refers to an organisation whose primary goal is to conduct independent basic research, industrial research or experimental development or to disseminate its results widely by means of education, publication or knowledge

transfer. Research organisations include higher education institutions or research institutes, which are funded according to the Finnish Act on Discretionary Government Transfers and the Academy of Finland's general funding conditions.

Academy funding to non-research organisations

The primary goal of non-research organisations is related to other activities than independent research or dissemination of research results. The Academy does not grant funding to support economic activity. Economic activity is defined as all activity where goods or services are offered on an open market.

Please contact us before applying, if you intend to apply for funding for non-research organisations.

Business collaborators in Academy-funded projects

If an Academy-funded project involves cooperation with business companies that are not funded by the Academy, the project must follow special terms and conditions regarding business cooperation. The aim of the terms and conditions is to prevent indirect state aid to business companies. Read more in the Academy's general funding conditions (item 10.1).

Where an Academy-funded project involves cooperation with business companies, the terms and conditions of the project, in particular as regards contributions to its costs, the sharing of risks and outcomes, the dissemination of results, and access to and allocation of IPRs, must be concluded in writing before the start of the project.

What are co-funding, full costing and the additional cost model?

Academy research funding is in essence a form of **co-funding** in which the funds to finance the costs of a project usually come from at least two sources. When Academy funding is applied for, universities, research institutes and other research organisations commit to the co-funded activity by contributing their percentage of the costs.

In calls implemented under the **full cost model**, Academy funding can be used to cover both direct project costs (e.g. direct salaries) and indirect costs (e.g. rents for premises). Both types of costs are covered with the same percentage.

In your application, you must provide a funding plan in accordance with the full cost model, including the amount of funding to be applied for from the Academy. Draft the online application so that the Academy's contribution to funding comes to no more than the percentage indicated in the call text. In calls where cost calculation follows the principles of full costing, the Academy's contribution usually comes to no more than 70% of the total costs. In some funding opportunities (e.g. funding to strengthen university research profiles and SRC funding programmes), exceptionally, the Academy's contribution is 100%.

Before submitting your application, you must agree with the administration at your own organisation on the contribution of the site of research to the funding of the project. As the total project costs must not include any costs that do not pass through the books of the site of research, you must check with your own organisation whether the funding planned as the own funding contribution suits this purpose. When calculating the total projects costs at the application and decision-making stage, we

will only take into account funding that has been confirmed (e.g. through a decision by the body that has granted the funding).

The maximum funding percentage is applied in calculating **estimated total costs** both at the application and decision-making stage and in calculating **real total costs** during the project (payment procedure). The percentage is applied to all project costs, that is, to both direct and indirect costs, including overheads.

Learn more on our website at Full cost model and Full cost model: principles and definitions.

Full costing was introduced on the proposal by the Finnish Ministry of Finance in 2009. Earlier, the Academy compensated overheads following the **additional cost model**. That model is still applied to the salary funding in research posts as Academy Research Fellow and Academy Professor. In applications following the additional cost model, the system will calculate (in addition to other costs) 14.29% as overheads costs, in which case the decision includes an overheads percentage of 12.5%.

Sites of research commit to the funding at the application stage

The Academy will fund a research project only if the application includes a commitment by the site of research. You must agree on this commitment **in advance** with a representative of the site of research. After the call has closed, we will request the commitment by the site of research from the person indicated in the application. Read more on our website under Commitment by site of research.

In calls where full costing is applied, you must – before submitting your application – determine from your own organisation **the funding contribution, the coefficients and the VAT practice of the site of research**, and agree on them with the commitment issuer. The coefficients will be valid during the entire funding period.

If there are no other funding sources, the site of research must cover **at least 30%** of the costs of a project under full costing. If there are other sources, their contributions must also pass through the books of the site of research.

The competent person of the site of research issues the commitment on behalf of the site. By issuing the commitment, the site undertakes to, for instance:

- secure the necessary basic facilities for the project, which are the same as those available to other research staff at the site: office and laboratory premises, equipment (incl. computer equipment), and telecommunications, telephone, mailing, copying and library services
- fund the project (in accordance with full costing) with the funding contribution presented in the funding plan.

In the case of applicants for funding for research posts as Academy Professor and Academy Research Fellow, the commitment by the site of research also applies to the use of the researcher's working hours for purposes other than research, and to salaries and other circumstances surrounding the researcher's work.

Costs related to storing and sharing research data are also regarded as belonging to the overheads of the site of research at the research project's host organisation. Check the contents of the commitment text from the Academy's online services when the call opens.

At the application stage, sites of research must check that the following information is entered correctly:

- the coefficients (overheads, indirect employee costs and effective working hours) of the site of research (regarding projects to which full costing is applied)
- the VAT practice
- the Business Identity Code.

A prerequisite for Academy funding is that both the applicant and the site of research commit to the guidelines issued by the Finnish Advisory Board on Research Integrity on responsible conduct of research and procedures for handling allegations of misconduct in Finland. The site of research undertakes to submit to the Academy's Registrar's Office the final report of any investigations concerning violation of good scientific practice by the PI or a researcher of an Academy-funded project.

If the funding is a discretionary government transfer awarded to organisations outside the central government (e.g. universities), the site of research also undertakes to act as the recipient of the transfer on behalf of the applicant and will accordingly assume all related obligations.

3. HOW DECISIONS ARE ANNOUNCED, HOW FUNDING IS ACCEPTED

We will notify you when the decision has been made

The dates for Academy funding decisions are posted on our website under Funding decisions. You can also search our decisions for the funded projects, their public descriptions and the call-specific fact sheets.

As an applicant, you will receive an automatic **email message** after the decision has been made. After receiving this message, you can log in to **the online services** with your user ID to view the decision and its justifications. You can also read the conditions for the decision, if it has been favourable. In addition, you will have access to read the expert reviews on your application.

Applicants and sites of research must confirm receipt of funding

After being granted funding, you must check and accept it in the online services without delay. The system will then send a notification to the commitment issuer at the site of research. That person must also accept the granted funding.

The funds can be paid only after both the applicant and the representative of the site of research have accepted them as received. The system will then notify the funding to the finance administration of the site of research, whereupon the funds will be ready to use.

FUNDING OPEN FOR APPLICATION IN APRIL 2018

4.   FUNDING FOR RESEARCH TEAMS, THEMATIC CALLS

ACADEMY PROGRAMME FUNDING

4.1   ACADEMY PROGRAMME MEDIA AND SOCIETY (MEDIASOC)

Society has become thoroughly mediatised. Every aspect and area from the economy and politics to civil society and everyday social relations is increasingly saturated, in ever new ways, by media. The media have become an increasingly important, but at the same time an increasingly complex and unpredictable part of every facet of society and culture.

The Academy Programme Media and Society (MediaSoc) will provide new impetus and direction for Finnish research into society by bringing together different fields of study and different approaches and by linking them with a current research theme of great social importance. The programme's multidisciplinary approach will aim to identify, analyse and explain relevant social concepts, phenomena and trends, and to open up horizons for new solutions and choices in present-day society.

Media and Society is an Academy Programme that has two interconnected and intersecting research themes:

THEME 1: The relationship between media and society

THEME 2: Technology in media transition

Projects may be related to one theme only, but applications are encouraged that combine elements from both themes.

By making good use of multidisciplinary research approaches, the programme will produce knowledge, analyses and innovations to respond to the rapidly emerging developments of today's society, political culture and media landscape. The programme will place major focus on promoting dialogue between different disciplines and on furthering exchange among these disciplines by combining different methodologies, by identifying common research subjects, and by networking at both national and international level.

The programme will encourage projects that involve interdisciplinary or multidisciplinary collaboration between two or more fields of study that apply different approaches and methodologies.

The contents and goals of the programme are described in more detail in the programme memorandum.

Who is eligible to apply?

The funding can be applied for by both individual research teams and consortia composed of two or several research teams. Individual projects may apply for a maximum of 500,000 euros. Consortia may apply for a maximum of 1 million euros.

Funding period

Projects will be awarded with funding for four years, starting on 1 January 2019. Additional calls may be opened at a later stage.

Programme memorandum

The programme memorandum contains more details on the programme's background, aims, thematic areas and review criteria. The Academy is in the process of developing its review practices. The programme memorandum is available on our website. Carefully reading through the memorandum ensures that you are able to submit a competitive application.

Appendices to application (individual projects and consortia)

Append only the requested appendices to the application and make sure to draft them in line with the Academy's appendix guidelines. Make sure not to exceed the maximum length of appendices. Draft the appendices in PDF format and in English, and append them to the application in the online services under *Appendices.* An exception is the curriculum vitae, which is appended under *Personal data/CV*.

1. *Letter of intent by principal investigator of individual project in an Academy Programme*

   - plan of intent, no more than four pages
   - curriculum vitae for the PI, no more than four pages (recommendation), following the Finnish Advisory Board on Research Integrity's guidelines
   - list of publications by PI; clearly indicate the ten most important publications for the research plan

2. *Letter of intent by Academy Programme consortium*

   A consortium has one joint appendix to be appended to the consortium PI's application:

   - joint plan of intent for the consortium, no more than six pages

   The consortium PI and the subproject PIs will append the following obligatory appendices to their own applications:

   - curriculum vitae for the applicant, no more than four pages (recommendation), following the Finnish Advisory Board on Research Integrity's guidelines
   - list of publications by the applicant; for each subproject PI, clearly indicate the ten most important publications for the consortium

How to apply

The MediaSoc Academy Programme has a two-stage call. The non-negotiable deadline for applications is 25 April 2018 at 16.15 local Finnish time. Draft the application in the Academy's online services. Select *Open calls > **Media and Society***.

Draft the application so that the Academy's contribution to funding comes to no more than 70% of the estimated total project costs. Read more on our website under Full cost model.

If the applicant is a consortium, see detailed guidelines on our website under Guidelines for consortium application. Please note that consortium PIs can submit the joint consortium application only after all consortium subprojects have tagged their applications as complete. The non-negotiable call deadline also applies to consortia. Consortium compositions cannot be changed after the call deadline has expired.

Based on the letters of intent, the Academy will decide on 19 June 2018 which projects will proceed to the second stage. Those selected to the second stage will be asked to submit full applications in the Academy's online services by 3 September 2018. The deadline is non-negotiable.

Contacts and more information

- Programme Manager Risto Vilkko (Academy Programme Unit), tel. +358 295 335 136
- Programme Manager Mikko Ylikangas (Academy Programme Unit), tel. +358 295 335 143
- www.aka.fi/mediasoc > EN

4.2   MISU ACADEMY PROGRAMME CALL: FUNDING FOR INTERNATIONAL PROJECTS

The Academy Programme Mineral Resources and Material Substitution (MISU) will open a supplementary call for researchers engaged in international research collaboration. The aim is to support long-term research collaboration in the field of mineral resources with a view to promoting the creation and strengthening of collaborative research networks. The collaboration may involve all relevant target countries.

Applications are invited from the following research topics focusing on mineral resources and material efficiency:

1. Chemical and physical processes for beneficiation of complex minerals

   - beneficiation of complex minerals and control of impurities (excl. biobased processes)

2. Mine site waste management

   - new methods for producing less waste or fitting waste into smaller volumes
   - reuse of mine tailings
   - novel methods for mine waste storage or damming

3. Utilising geophysical and geochemical methods in mine site planning (excl. prospecting)

   - new measuring methods and their utilisation
   - novel utilisation of measuring methods
   - processing and interpretation of measurement data for mine site planning (e.g. ore content, characteristics, continuity)
   - environmental measurements (e.g. condition of waste sites).

The funded teams are required to have established a high-quality and genuine collaborative relationship with the foreign team. Applicants must also assess the project's future impact for the extractive industry and business.

In this call, the Finnish site of research is required to commit to the project to a greater degree than what is required in the Academy's general commitment conditions. The application must show how the project supports the strategic international partnerships of the applicant's Finnish host organisation and how the site of research commits to supporting the project's international collaborations during

and after the project (e.g. additional research funding, researcher or student exchange, doctoral school collaboration).

Who is eligible to apply?

The funding may be applied for by an individual research team or a Finnish consortium with important and solid international collaborations in the theme concerned. The applicant may already be part of the MISU programme or become part of it through this call.

Funding

Projects will be awarded with funding for up to three years, starting on 1 October 2018. Each project may apply for no more than 350,000 euros in Academy funding. The Academy is prepared to fund up to four projects with a total amount of 1 million euros.

The Academy's funding is granted to cover the research costs of the Finnish party of the collaboration. We require that the foreign partner has secured their own funding for the joint project from other funding sources.

How applications are reviewed

The applications will be peer-reviewed using the following criteria:

- how the project supports the objectives of the call
- scientific quality and innovativeness of the research plan
- feasibility of the research plan
- added value generated by the international research collaboration
- scientific merits and results of the Finnish and international researchers/research teams.

Other factors that will be considered in decision-making include the support offered by the site of research (both during and after the project), the estimated impact of the project, and how the project supplements the programme contents.

The projects to be funded will form part of the Academy Programme *Mineral Resources and Material Substitution* (MISU). The MISU programme memorandum contains more details on the programme's background, aims and thematic areas.

Appendices to application

Appendices to application for MISU funding in April 2018

1. research plan drafted according to the guidelines for this MISU call (differ from research plans in other calls); both individual projects and consortia use the same template
2. appendix: foreign research team's commitment to the presented research plan
3. appendix: commitment by the applicant's site of research to supporting the project (as presented in the research plan) during and after the funding period

Appendices according to the Academy's general guidelines

4. CV for the Finnish applicant and the international partner (no more than four pages each), combined into one document

FUNDING FOR RESEARCH TEAMS

5. lists of publications by the Finnish applicant and the international partner (combined into one document); in each list, clearly indicate the ten most important publications for the research plan
6. data management plan for the Finnish applicant
7. statement by an ethics committee or the Committee on Animal Experimentation (if necessary); the ethical aspects must always be specified in the research plan
8. invitation by foreign university or research institute, if the research or part of it will be conducted abroad
9. progress report on all Academy-funded projects headed by the applicant that have not submitted final reports

Append only the requested appendices to the application and make sure to draft them in line with the Academy's appendix guidelines. Make sure not to exceed the maximum length of appendices. Draft the appendices in PDF format and in English, and append them to the application in the online services under *Appendices.* An exception is the curriculum vitae, which is appended under *Personal data/CV*.

How to apply

Get in touch with the call's contact person at the Academy when you are preparing to apply.

The non-negotiable deadline for applications is 25 April 2018 at 16.15 local Finnish time. Draft the application in the Academy's online services. Select *Open calls > MISU: international projects*.

Draft the application so that the Academy's contribution to funding comes to no more than 70% of the estimated total costs of the Finnish project during the funding period. Read more on our website under Full cost model. **On the application**, only enter the budget of the party applying for funding from the Academy. **In the research plan** (item 5), enter the individual budgets of all other parties committing to the project (the foreign research team's own funding and the possible additional funding supplied by the Finnish site of research).

If the applicant is a Finnish consortium, see detailed guidelines on our website under Guidelines for consortium application. Please note that consortium PIs can submit the joint consortium application only after all consortium subprojects have tagged their applications as complete. The non-negotiable call deadline also applies to consortia. Consortium compositions cannot be changed after the call deadline has expired.

Contacts and more information

- Programme Manager Tuomas Katajarinne (Academy Programme Unit), tel. +358 295 335 067
- Programme Manager Tommi Laitinen (Academy Programme Unit), tel. +358 295 335 057
- www.aka.fi/misu > EN

TARGETED CALL

4.3   RESEARCH, DEVELOPMENT AND INNOVATION PROGRAMME ICT 2023: BEYOND 5G SYSTEMS

The Academy of Finland and Business Finland (formerly Tekes) are committed to implementing the research, development and innovation programme ICT 2023. The aim of the programme is to further improve Finland's scientific expertise in computer science and to promote the extensive application of ICT.

The theme of the call to be opened in April 2018 is Beyond 5G Systems. The contents and aims of the call are described in more detail in the memorandum that will be posted on our website before the call opens. Business Finland will not open a parallel call for business-related projects, but Business Finland funding is available under this theme through Business Finland's normal application process.

Who is eligible to apply?

The funding can be applied for by both individual research projects and consortia composed of two or several research teams. In April 2018, the applicant may be involved in only one individual research project or consortium as a consortium PI or subproject PI.

Funding period

The funding period is three years. As a rule, the funding period will start on 1 September 2019. The Academy's preliminary funding budget for this targeted call is a total of 5 million euros.

Memorandum

The memorandum of the thematic call contains more detailed information on the call's background, aims, thematic areas and review criteria. The memorandum will be posted on our website before the call opens. Read the memorandum carefully.

Appendices to application (individual projects and consortia)

Append only the requested appendices to the application and make sure to draft them in line with the Academy's appendix guidelines. We only accept appendices in PDF format. Make sure not to exceed the maximum length of appendices.

Draft the appendices in PDF format and in English, and append them to the application in the online services under *Appendices*. An exception is the curriculum vitae, which is appended under *Personal data/CV*.

1. *Appendices in the case of an individual project*

Obligatory appendices:

* research plan, no more than twelve pages (and bibliography of no more than two pages)
* curriculum vitae for the applicant, no more than four pages (recommendation), following the Finnish Advisory Board on Research Integrity's guidelines
* list of publications by the applicant; clearly indicate the ten most important publications for the research plan

- data management plan

Case-specific appendices:

- invitation by foreign university or research institute, if the research or part of it will be conducted abroad; please do not append any letters of recommendation
- statement by an ethics committee or the Committee on Animal Experimentation; the ethical aspects must always be specified in the research plan
- progress report on all Academy-funded projects headed by the applicant that have not submitted final reports
- collaboration plan (if the project involves cooperation with businesses) with the company mentioned in the application; the collaboration plan guidelines are available in the memorandum

2. *Appendices in the case of consortia*

Appendices to consortium PI's application:

- joint research plan drafted in line with consortium guidelines, no more than 15 pages (and bibliography of no more than two pages)
- statement by an ethics committee or the Committee on Animal Experimentation (if needed in a consortium subproject); the ethical aspects must always be specified in the research plan
- joint data management plan for the consortium.

The consortium PI and the subproject PIs will append the following appendices to their own applications, as necessary:

Obligatory appendices:

- curriculum vitae for the applicant, no more than four pages (recommendation), following the Finnish Advisory Board on Research Integrity's guidelines
- list of publications by the applicant; for each subproject PI, clearly indicate the ten most important publications for the application.

Case-specific appendices:

- progress report on all Academy-funded research projects for which the applicant has not submitted final reports
- invitation by foreign university or research institute, if the research or part of it will be conducted abroad; if necessary, several invitations combined into the same appendix; do not append any letters of recommendation
- collaboration plan (if the project involves cooperation with businesses) with the company mentioned in the application; the collaboration plan guidelines are available in the memorandum

How to apply

This call is a single-stage call. The non-negotiable deadline for applications is 25 April 2018 at 16.15 local Finnish time. Draft the application in the Academy's online services. Select *Open calls* > **ICT 2023: Beyond 5G Systems**.

Draft the application so that the Academy's contribution to funding comes to no more than 70% of the estimated total project costs. Read more on our website under Full cost model.

Applicants may be invited for interviews during the review process.

If the applicant is a consortium, see detailed guidelines on our website under Guidelines for consortium application. Please note that consortium PIs can submit the consortium application only after all consortium subprojects have tagged their applications as complete. The non-negotiable call deadline also applies to consortia. Consortium compositions cannot be changed after the call deadline has expired.

Contacts and more information

- Senior Science Adviser Juha Latikka (Natural Sciences and Engineering Research Unit), tel. +358 295 335 058
- www.aka.fi/ict2023 > EN

5.   FUNDING FOR INDIVIDUAL RESEARCHERS

5.1   FUNDING TO NSF GRADUATE FELLOWS FOR RESEARCH IN FINLAND

Aim

The US National Science Foundation (NSF) awards Graduate Research Fellow (GRF) grants to talented US researchers working on their doctoral thesis for research spells in Finland or other countries included in the Graduate Research Opportunities Worldwide (GROW) programme. Funding can be applied for from the Academy for grants to be paid to NSF-approved Graduate Research Fellows coming to Finland.

The NSF and the Academy of Finland have agreed that Graduate Research Fellows can be hosted by Academy-funded Centres of Excellence, Academy Professors, Academy Research Fellows, Academy Projects, SRC consortia or projects funded under Academy Programmes.

Who is eligible to apply?

The funding is applied for by the Finnish host of the Graduate Research Fellow.

Funding

The funding comes to a maximum of 1,700 euros a month. The site of research will allocate the funding as a grant to cover the Graduate Research Fellow's accommodation and other living costs in Finland. The funding does not include any overheads.

The Finnish host unit will cover the Fellows' accommodation and research costs and take care of other practical arrangements, while the NSF will cover their salary.

Funding period

Grants can be awarded for a maximum of twelve months over a two-year period. The funding period will start on 1 June 2018 at the earliest and no later than 1 December 2018. The funding decisions will be made in May 2018.

Appendices to application

- invitation by the host to the Graduate Research Fellow
- curriculum vitae for the Graduate Research Fellow
- GRF research plan jointly drafted by the Graduate Research Fellow and the Finnish host

How to apply

The non-negotiable deadline for applications is 25 April 2018 at 16.15 local Finnish time. Draft the application in the Academy's online services. Select *Open calls* > **NSF Graduate Research Fellows**.

Contacts

- Coordinator Kristiina Helansuo (Culture and Society Research Unit), tel. +358 295 335 022
- Senior Science Adviser Tiina Jokela (Strategic Research Unit), tel. +358 295 335 046

6.   FUNDING FOR RESEARCH ENVIRONMENTS

6.1   FIRI 2018 CALL FOR RESEARCH INFRASTRUCTURES

Aim

The Academy of Finland provides funding for the acquisition, establishment or strengthening of nationally significant research infrastructures that promote scientific research.

Research infrastructures refer to a reserve of research facilities, equipment, data and services enabling research and development, promoting research collaboration and reinforcing research and innovation capacity. Research infrastructures may be based at a single location (single-sited), scattered across numerous sites and organisations (distributed), or provided via a virtual platform (virtual).

The aim of this research infrastructure funding scheme is to upgrade the quality and improve the renewal, competitiveness and interdisciplinary approach of Finnish research. Another aim is to increase the appeal of Finnish research environments and boost the national and international collaboration of Finnish universities, research teams and researchers. The aim is also to support researcher training and the creation and application of scientific knowledge and intellectual capital.

Finland's roadmap for national research infrastructures is a list of key research infrastructures in Finland under development over the next 10–15 years. The list also concerns a major upgrade of existing research infrastructures. The roadmap infrastructures have gone through an interim evaluation, and a decision has been made (on 5 Feb 2018) on how they are positioned on the roadmap.

The updated roadmap contains 32 infrastructures classified according to their level of advancement. The table below shows each category's eligibility to apply for funding as well as their assessment targets (advancement level, science promotion and development needs).

Assessment targets in FIRI 2018 call	Roadmap infrastructures				E. Other international memberships	F. Non-roadmap
	A. Very advanced	B. Advanced	C. Promising	D. Under observation		
Level of advancement	Yes	Yes	Yes	Yes	Yes	Yes
Promotion of science	No	No	Yes	Yes	No	Yes
Development needs identified	No	Yes	No	Yes	No	No
Eligibility to apply in FIRI 2018 call						
1) Roadmap and membership	Eligible	Eligible	Eligible	Eligible	Eligible	Non-eligible
2) New initiatives	Non-eligible	Non-eligible	Non-eligible	Non-eligible	Non-eligible	Eligible

The FIRI 2018 call is intended for roadmap infrastructures (Call 1) and non-roadmap infrastructures (Call 2).

1. **Call 1: infrastructures on Finland's research infrastructure roadmap and Finnish memberships**

Call 1 is open to host organisations of infrastructures that are included in Finland's roadmap. These are listed in the decision made on 5 February 2018.

Call 1 is also open to host organisations of international infrastructures where Finland is a member. Funding may be applied through this call for international memberships included in the roadmap.

2. **Call 2: new infrastructure initiatives and other non-roadmap infrastructures**

A high-quality, state-of-the-art research infrastructure is an absolute requirement for cutting-edge research. The systematic development of research infrastructures and the launching of new initiatives are of crucial importance to the advancement of science in all disciplines.

The infrastructures applying for funding must show that they aim to meet the national criteria for research infrastructures.

Applications can be submitted by host organisations of research infrastructures.

The funding can be applied for by research organisations

FIRI 2018 funding is applied for by a university or some other research organisation that is host to a research infrastructure. Joint projects of several organisations must have one responsible party; the mutual responsibilities of the parties as regards activities and financial matters are presented in the joint action plan.

If applicants have ongoing Academy funding for research infrastructures, they can be granted funding for the same infrastructure only for very special reasons. The need for concurrent funding must be justified in the action plan.

In multi-site joint projects, the parties must conclude a written agreement on the use, ownership and location of the research infrastructure, even for the time after the funding period.

Any infrastructure acquired with Academy funding will remain in the ownership and possession of the site of research. The parties can, however, mutually agree in writing on other arrangements. The Academy must be notified of such agreements at the application stage.

What does the funding cover?

The funding is primarily allocated to investment costs (acquisition of equipment and systems and creation of services) at the construction phase and to significant upgrading of existing infrastructures. The equipment must be incorporated into an existing or upcoming national or international research infrastructure that is open to use by the scientific community. Permanent operating expenses should mainly be covered by funding from host organisations. Funding for salary costs is granted only in special cases, however, taking into account research-field-specific differences. The costs must be justified in the application.

Funding needs arising from memberships in national and international research infrastructures (e.g. membership fees) can also be covered.

The Academy does not fund operating costs of research infrastructures.

The Academy's funding contribution comes to no more than 70% of the total costs of the acquisition, establishment or strengthening of a research infrastructure. No advances are paid from infrastructure funding.

Funding and funding period

The Academy is prepared to fund research infrastructures included in Finland's roadmap and new research infrastructure initiatives with a total of some 20 million euros.

The recommended minimum limit for the Academy's contribution in an individual application is 400,000 euros. Correspondingly, the recommended minimum limit for the Academy's contribution to a consortium subproject is 200,000 euros and 600,000 euros in the case of the whole consortium.

The maximum funding period for projects funded under Call 1 (roadmap infrastructures and memberships) is five years. The funding period will start on 1 January 2019 at the earliest and end no later than 31 December 2023.

The maximum funding period for projects funded under Call 2 (new initiatives and non-roadmap infrastructures) is three years. The funding period will start on 1 January 2019 at the earliest and end no later than 31 December 2021.

How applications are reviewed

In deciding on research infrastructure funding, the Academy of Finland will (in addition to its general funding principles) consider the following factors:

- national and international scientific significance and added value of the research infrastructure
- project's links to the research strategy of the host organisation(s) and the long-term commitment by the organisation(s) to the project
- openness in the use of the infrastructure
- systematic and broad utilisation of the infrastructure
- quality and scope of potential user community
- technological and other advancement of the infrastructure
- economic capacity and stability of the infrastructure during its lifespan
- connections to projects that are included in Finland's roadmap (decision on 5 February 2018) or in ESFRI's Strategy Report on Research Infrastructures (2016).

In addition, research infrastructures of category B or D that are applying for funding from Call 1 must describe how they plan to address the development needs mentioned in the roadmap decision from 5 February 2018.

Appendices to application

Obligatory appendices:

- action plan, no more than 15 pages
- curriculum vitae for the project PI (coordinator), four pages
- prioritisation list, where the university or research institute has listed its applicant infrastructures in order of preference

Case-specific appendices:

- progress report or final report on Academy-funded research infrastructure for which funding is applied

- statement by an ethics committee or the Committee on Animal Experimentation; the ethical aspects must always be specified in the action plan

How to apply

Please note the application schedule. **The deadline for applications is 22 May 2018** at 16.15 local Finnish time. The non-negotiable call deadline also applies to consortia. Draft the applications in the Academy's online services. Select *Open calls*:

- ***FIRI 2018: infrastructures on Finland's roadmap***
- ***FIRI 2018: new initiatives and non-roadmap infrastructures***.

Please make sure you select the correct call.

Draft the application so that the Academy's contribution to funding comes to no more than 70% of the estimated total project costs. Read more on our website under Full cost model.

If the applicant is a consortium, see detailed guidelines on our website under Guidelines for consortium application. Please note that consortium PIs can submit the consortium application only after all consortium subprojects have tagged their applications as complete. The non-negotiable call deadline also applies to consortia. Consortium compositions cannot be changed after the call deadline has expired.

Please note: In the FIRI 2018 call, a 'consortium' refers only to those research infrastructure subprojects that are applying for funding in the call. Other possible networks of the research infrastructure are described in the action plan and on the online application under *Partners/Collaborators*.

Contacts and more information

- Senior Science Adviser Merja Särkioja (Planning and Management Support Unit), tel. +358 295 335 111
- Science Adviser Teppo Häyrynen (Natural Sciences and Engineering Research Unit), tel. +358 295 335 043
- Project Officer Ritva Helle (Planning and Management Support Unit), tel. +358 295 335 023
- www.aka.fi/infrastructures

6.2   SRC MATCHING FUNDS FOR HORIZON 2020

The Strategic Research Council (SRC) at the Academy of Finland grants national matching funds to sites of research based on projects that have received funding under the Societal Challenges priority of Horizon 2020, the EU the Framework Programme for Research and Innovation.

The aim of SRC matching funds is to encourage research organisations to participate in preparing projects for upcoming EU funding calls. Projects eligible to receive SRC matching funds must have received funding in 2015 or thereafter.

The full application guidelines are available on our website.

SRC matching funds can be applied for by research organisations. The application deadline is open-ended. The SRC will decide in November 2018 on applications submitted in the Academy's online services by 31 October 2018.

Contacts

- Finance Manager Sirpa Nummila (Finance Unit), tel. +358 295 335 081
- Senior Science Adviser Tiina Petänen (Strategic Research Unit), tel. +358 295 335 091

OTHER CALLS

UPCOMING: FLAGSHIP PROGRAMME CALL

Flagship programme for top-level, high-impact clusters of expertise

Only universities, government research institutes or consortia composed of these are eligible to apply for flagship funding from the Academy of Finland.

The Academy will organise an information event about the upcoming call on 26 April 2018. A draft version of the call text will be presented at the event, and participants will have an opportunity to share experiences from the first Flagship Programme call.

The next call opens on 4 June 2018 and closes on 20 June 2018 at 16.15 local Finnish time. The call text will be posted on our website in May.

Contacts and more information:

- Riitta Maijala, Vice President for Research, tel. +358 295 335 002
- Maiju Gyran, Senior Science Adviser, tel. +358 295 335 015
- learn more about the flagship programme

Call by the Strategic Research Council

The Strategic Research Council (SRC) has opened a supplementary call for the SRC programme Keys to Sustainable Growth with call dates that are identical with the Academy of Finland's April 2018 call. The supplementary call has two stages. The non-negotiable first-stage deadline is 25 April 2018 at 16.15 local Finnish time. The call text is available on our website.

Contacts:

- Joona Lehtomäki, Science Adviser, tel. +358 295 335 121
- Milja Saari, Science Adviser, tel. +358 295 335 123
- Jyrki Hakapää, Science Adviser, tel. +358 295 335 020

International calls co-funded by the Academy

The following is a list of some upcoming international calls in which the Academy of Finland will participate as a funding partner. **Please visit our website for more upcoming calls.** *Always check the international application dates on the calls' own websites.*

Nordic NOS-HS workshops in the humanities and social sciences

The Joint Committee for the Nordic Research Councils in the Humanities and Social Sciences (NOS-HS) funds exploratory workshops in the humanities and social sciences. The workshops are designed for researchers at different career stages from at least three Nordic countries. The call text has been posted on the NOS-HS website. Applications are submitted through the Swedish Research Council's grant application and management system Prisma. **The call has already opened; the deadline is 20 March 2018 at 14.00 local Swedish time.** Check the deadline on the NOS-HS website.

Contacts and more information:

- Kim von Hackwitz, NOS-HS Secretariat, Swedish Research Council, nos-hs(at)vr.se
- Päivi Messo, Senior Science Adviser, tel. +358 295 335 074
- call text for NOS-HS workshops

ERA PerMed Joint Transnational Call on personalised medicine

The ERA-NET Cofund ERA PerMed has launched its first Joint Transnational Call for collaborative innovative research projects in personalised medicine. The call encourages and enables interdisciplinarity, combining pre-clinical and clinical research with bio-informatics components. The theme of the call is "Research Projects on Personalised Medicine – Smart Combination of Preclinical and Clinical Research with Data and ICT Solutions".

Applications must involve partners from at least three countries participating in the call. The Academy of Finland is prepared to fund successful Finnish consortium parties with 1.2 million euros in total (full cost model; funding for 3–4 Finnish parties).

The call has two stages. **The first call stage is open; the deadline is 10 April 2018.** The second stage deadline is 5 July 2018. The second stage is for invited applicants. Finnish-based researchers must contact the Academy in good time before applying.

Contacts and more information:

- Jukka Reivinen, Programme Manager, tel. +358 295 335 099
- Nina Kaminen-Ahola, Programme Manager, tel. +358 295 335 027
- www.erapermed.eu

Water JPI Joint Call 2018

The Water JPI has launched the 2018 Joint Call for collaborative transnational research on the theme Closing the Water Cycle Gap – Sustainable Management of Water Resources. The Water JPI 2018 Joint Call is funded by 20 funding partner organisations from 18 countries, for a global estimated budget of 19.3 million euros including a Cofund from the European Commission of 5.9 million euros. The Academy of Finland's Research Council for Biosciences and Environment will fund successful Finnish applicants.

The call's theme, Closing the Water Cycle Gap, aims at delivering on priorities identified in the Water JPI Strategic Research and Innovation Agenda (SRIA):

- Enabling Sustainable Management of Water Resources
- Strengthening Socio-Economic Approaches to Water Management
- Supporting Tools for Sustainable Integrative Management of Water Resources.

The call has two stages. Applications are submitted via the portal of the French National Research Agency ANR. **The call has already opened; the deadline for pre-proposals is 24 April 2018.** Check the deadline on the call website.

Contacts and more information:

- Kata-Riina Valosaari, Science Adviser, tel. +358 295 335 128
- www.waterjpi.eu

OTHER CALLS

Annual international calls

Always check the international application dates on the calls' own websites.

- European Research Council (ERC): 2018 call deadlines:
    - Consolidator Grants (ERC-2018-CoG): 15 February 2018
    - Advanced Grants (ERC-2018-AdG): 30 August 2018
    - Starting Grants (ERC-2019-StG): October 2018 (TBC)
    - Synergy Grants (ERC-2019-SyG): November 2018 (TBC)
    - Proof of Concept Grants (ERC-2018-PoC): 16 Jan, 18 Apr and 11 Sep 2018.

    Information on the ERC work programme 2019 and its call dates will be posted on the ERC website. For more information, please contact the national ERC contact points at the Academy: Science Adviser Annika Raitala, tel. +358 295 335 097, and Senior Science Adviser Hannele Lahtinen, tel. +358 295 335 055.

- NordForsk funding for joint Nordic research efforts

- Horizon 2020 calls: EUTI, the official information office for EU R&D in Finland

- Marie Skłodowska-Curie actions

APPENDICES

APPENDIX 1: CALCULATION OF SUPPORT TO INTERNATIONAL RESEARCHER MOBILITY 2017–2018

The Academy of Finland funds international researcher mobility:

- in research projects
    - **as a mobility allowance** for mobility from Finland as part of a project's (research projects, research posts) research costs (see Appendix 1 A of the April 2018 call text)
    - **as grants** to non-EU researchers coming to Finland on employment contracts shorter than a year (see Appendix 1 B of the April 2018 call text)
- with our funding opportunity International researcher mobility based on bilateral agreements as research grants or personal grants (see Appendices 1 B and 1 C of the April 2018 call text).

APPENDIX 1 A: CALCULATION OF MOBILITY ALLOWANCE IN RESEARCH PROJECTS

The mobility allowance in research projects depends neither on the target country nor on the duration of the stay. It is a taxable benefit and indirect employee costs will be deducted from it:
researchers without dependent children: €1,050/month
researchers with dependent children: €1,500/month

The mobility allowance is applied for as a research cost for implementing the research plan and as part of the original application of the project (e.g. Academy Projects, Academy Programmes and research posts). The recommended amount should be enough to cover the costs of higher living expenses from living abroad.

The allowance is applied for in the online services under *Other costs*. Ticket costs for travel abroad are entered under *Travel costs*. If researchers and their families stay abroad for at least six months, funding can also be applied for to cover family travel costs.

The amounts are recommendations by the Academy and form the basis of the funding decision.

APPENDIX 1 B: CALCULATION OF GRANTS TO FOREIGN RESEARCHERS WORKING IN FINLAND

This table is used both for applications for funding of projects' and researchers' research costs and in the funding opportunity *Funding for international researcher mobility based on bilateral agreements (Mobility to Finland)*.

Short-term visits:
Grants with compensation for accommodation €80–185/day (incl. personal grant €39 and maximum compensation for accommodation €147)

Visits longer than one month, including compensation for accommodation:	
Master's degree or equivalent	1,600–1,800 euros/month
PhD or equivalent	1,800–2,500 euros/month
Professor	2,500–4,100 euros/month

A particularly outstanding visiting professor may be awarded a larger grant than indicated above.

The following guidelines apply to the funding in research projects:

- Grants can be awarded to non-EU researchers for a maximum of one year's research spell in Finland. Grants are not paid to EU citizens working in Finland. While working in Finland, they must have an employment relationship to the site of research.
- The grants are applied for in the Academy's online services under *Other costs*. Travel costs are entered under *Travel costs*.

The following guidelines apply to the funding for mobility to Finland:

- Grants can be awarded to non-EU researchers for a maximum of one year's research spell in Finland.
- Travel costs are entered under *Travel costs*.

The grant sums take into account the grantee's obligation to take out pension, accident and life insurance. For more information, see Grant and scholarship recipients on the Farmers' Social Insurance Institution's website.

We recommend that the grantee and the site of research consult the tax administration concerning any tax consequences possibly arising from the payment of the grant.

APPENDIX 1 C: CALCULATION OF GRANTS FOR RESEARCHER MOBILITY (FROM FINLAND) BASED ON INTERNATIONAL AGREEMENTS

The Academy of Finland's funding opportunity *Funding for international researcher mobility based on bilateral agreements* is open for application each year **in September**. The funding, awarded as personal grants, is based on the international agreements signed by the Academy. **The special conditions and additional information concerning this funding opportunity are listed in the latest September call text.**

Country or region	Researchers without any grant or salary, €/month	Researchers with grant or partial salary, €/month	Researchers with full salary, €/month
South Africa	2,000	1,200–1,700	1,000–1,200
India	2,000	1,200–1,700	1,000–1,200
Italy	2,300	1,600–2,000	1,000–1,400

Japan	2,800	1,900–2,500	1,300–1,700
China	2,300	1,600–2,000	1,000–1,400
Germany	2,000	1,200–1,700	1,000–1,200
Taiwan	2,000	1,200–1,700	1,000–1,200
USA	2,300	1,600–2,000	1,000–1,400
Russia (Moscow)	2,800	1,900–2,500	1,300–1,700
Russia (other)	2,000	1,200–1,700	1,000–1,200
Others	1,000–2,300	500–1,700	300–1,000

When determining the grant amount, the sum may be increased as follows:

- by 15% if the researcher holds a doctorate and receives no other salary or fee
- by 20% if the researcher has dependent children
- by a maximum of 20% if the local cost of living is exceptionally high and the researcher receives no other salary or fee.

Exceptional fluctuations in currency exchange rates can be taken into account in determining the grant amount.

Grants for mobility from Finland are intended to cover accommodation and living costs in the target country. Funding can also be applied for to cover travel costs (entered under *Travel costs*). If researchers and their families stay abroad for at least six months, funding can also be applied for to cover family travel costs.

The full cost model is not applied to this funding. Depending on the agreement, the funding is paid either as a grant directly into the researcher's own bank account, or as a research grant via the financial administration of the site of research.

The grant sums take into account the grantee's obligation to take out pension, accident and life insurance. For more information, see Grant and scholarship recipients on the Farmers' Social Insurance Institution's website. For more information on grant taxation, see the Finnish Tax Administration's website (in Finnish) and their Memorandum of 27Jan 2010, New Universities Act and international situations (in Finnish).

APPENDICES

APPENDIX 2: OPEN SCIENCE: OPEN ACCESS PUBLISHING AND OPEN DATA

The Academy of Finland is committed to promoting and implementing Finland's national Open Science and Research Roadmap 2014–2017. The goal is to make research publications, data and material, metadata and methods widely available for reuse. The principles of open science must be pursued with due attention to good scientific practice and law.

We require that Academy-funded projects commit to **open access publishing**.

We also require that principal investigators of Academy-funded research projects see to that the projects' **data are stored and made available** through major national or international archives or storage services that are important in the fields concerned. The degrees of data openness may justifiably vary, ranging from fully open to strictly confidential.

Scientific publications and research data produced with funding from the Academy of Finland or by using Academy-funded research infrastructures must always indicate that the research has been conducted with funding from the Academy of Finland. The Academy's grant number(s) must also be mentioned.

Open access publishing: the research plan must include a publication plan

The research plan included in the application must include a publication plan that has been drafted taking into account the Academy of Finland's open access requirement. The requirement particularly concerns peer-reviewed articles, but the Academy also recommends open access for other types of publications.

Researchers can publish their scientific articles following either green or gold open access. Academy funding can be used to cover research costs related to scientific publishing using the golden route. Academy research funding may also be used to cover costs of so-called hybrid open access publishing.

Green open access means that researchers publish their articles in traditional subscription-based scientific journals and store parallel copies of the articles in machine-readable format in **online open access repositories or databases**. The Academy allows for an embargo period following the practices of international funders. The embargo is usually no more than six months, except in the humanities and social sciences where it is no more than twelve months. We encourage researchers to store the final, peer-reviewed and edited version of their articles. If this is not possible due to the publishing contract, the articles may be stored as pre-print manuscripts.

Gold open access means that a publication is immediately provided in open access mode through a high-quality open access publication channel, that is, **an open access journal.** In this case, the publisher is responsible for providing the article in open access mode immediately. The publisher may charge an open access fee (article processing charge). This fee may be included in the research costs of the project.

Hybrid open access publishing is also allowed. Hybrid open access refers to a combination of subscription-based and free-of-charge publishing. This means that the author pays a fee (**article processing charge**) determined by the publisher to make the article freely available. Otherwise the journal is only available to readers who

have paid the **subscription fee**. In these cases, the publisher may collect money from both the authors and the readers. The Academy is keen to emphasise that hybrid open access is only a temporary solution and part of the transition towards full open access publishing.

Academy funding is available for research costs arising from publishing of research results following gold or hybrid open access. This funding is applied for on the online form under *Funding for the project > Services* and justified in the research plan under *Publication plan*.

Open data: data management plan

We require that principal investigators of Academy-funded research projects see to that the projects' data are stored and made available through major national or international archives or storage services that are important in the fields concerned. The degrees of data openness may justifiably vary, ranging from fully open to strictly confidential. The research project concerned and the publisher of the data must ensure that publishing the data will not be in breach of the Finnish Act on the Openness of Government Activities, the Finnish Personal Data Act or the Finnish Copyright Act. When making data openly available, the parties involves must also consider licensing issues.

Data produced with Academy funding must be made freely available as soon as possible after the research results have been published, via key national or international repositories in the researcher's own field. Sites of research must therefore provide researchers with the necessary guidance and ensure that they have access to suitable storage infrastructure.

The costs associated with storing and sharing research data are regarded as overheads for the project's host organisation, but they may also be legitimately accepted as research costs to be covered with Academy research funding.

Data management, listing and archiving services are provided by, for instance

- the Finnish Social Science Data Archive (FSD), which also accepts data from the humanities and health sciences, for instance
- the FIN-CLARIN consortium (language resources)
- services by the Open Science and Research Initiative
    - AVAA open data publishing portal
    - Etsin research data finder
    - IDA research data storage service
- CERN's Zenodo service
- the EUDAT data infrastructure.

The Academy of Finland requires that applications to be submitted to the Academy include a data management plan for the research project or research infrastructure concerned. Append the data management plan to the application as a separate appendix (read more in Appendix 3 of the April 2018 call text).

More information on open science

- Online course on open science
- Finnish Social Science Data Archive: data management guidelines (e.g. the chapter on data management planning)

APPENDICES

- Open Science and Research Initiative, e.g. the Open Science and Research Handbook
- Open Science and Research Roadmap 2014–2017
- Publication Forum's classification of scientific publication channels
- Academy of Finland press release 30 May 2017: "Academy of Finland refines its policy on open access publishing"

APPENDICES

APPENDIX 3: DATA MANAGEMENT PLAN

As open as possible, as closed as necessary

A separate, obligatory appendix to the application is the data management plan, in which you describe how you manage your research data during the project and make them available after the research project has been completed. Even if your project will not produce data to be stored or if you will use existing, openly available data, you should still append a data management plan to your application. In the appendix, describe your data management as briefly as possible. Answer the questions concisely and where applicable.

Draft the plan according to the structure below. If you want, you can use the data management planning tool DMPTuuli. The structure and contents of the appendix are the same regardless of which method you choose.

More guidelines on the details to be described in the plan are available in DMPTuuli and on the Academy of Finland's website. Both sources include the same additional guidelines. DMPTuuli may also contain university-specific guidelines. The Finnish Social Science Data Archive (FSD) has also drafted its own guidelines as well as templates for data management plans.

In April 2018, applications must be drafted following the EU's new General Data Protection Regulation.

Read more:

- www.dmptuuli.fi
- detailed Academy data management plan guidelines and best practices in DMPTuuli
- Academy of Finland's open science policy (see also Appendix 2 of the September 2017 call text)
- Finnish Social Science Data Archive: data management guidelines
- Memorandum by Finland's implementation panel for EU General Data Protection Regulation, 21 June 2017 (in Finnish)
- learn more about the EU's new General Data Protection Regulation

Structure of data management plan

On the first page of the plan, write the applicant's (the PI's) name, research topic and application number. Also remember to date the plan. The plan should not be longer than 1–2 pages. Plans drafted with DMPTuuli are slightly longer than this, because of differences in text layout.

1. General description of data

What types of data (e.g. qualitative, quantitative, measurements) will the project collect or use? The data may be either new data or openly available data. What are the file formats of the data?

The data content is described in more detail in the research plan.

2. Documentation and quality

How will the data be documented? For example, what identifiers and metadata standard will be used? How will the quality of the data and the documentation be ensured?

3. Storage and backup

How will the data be stored and backed up during the whole life cycle of the research project (e.g. access to data)?

4. Ethics and legal compliance

How will ethical issues concerning data storage (e.g. sensitive personal information, third-party access to data) be taken into account? How will copyright and IPR issues be managed?

Please note that the ethical issues that concern data collection and research implementation are described in the research plan.
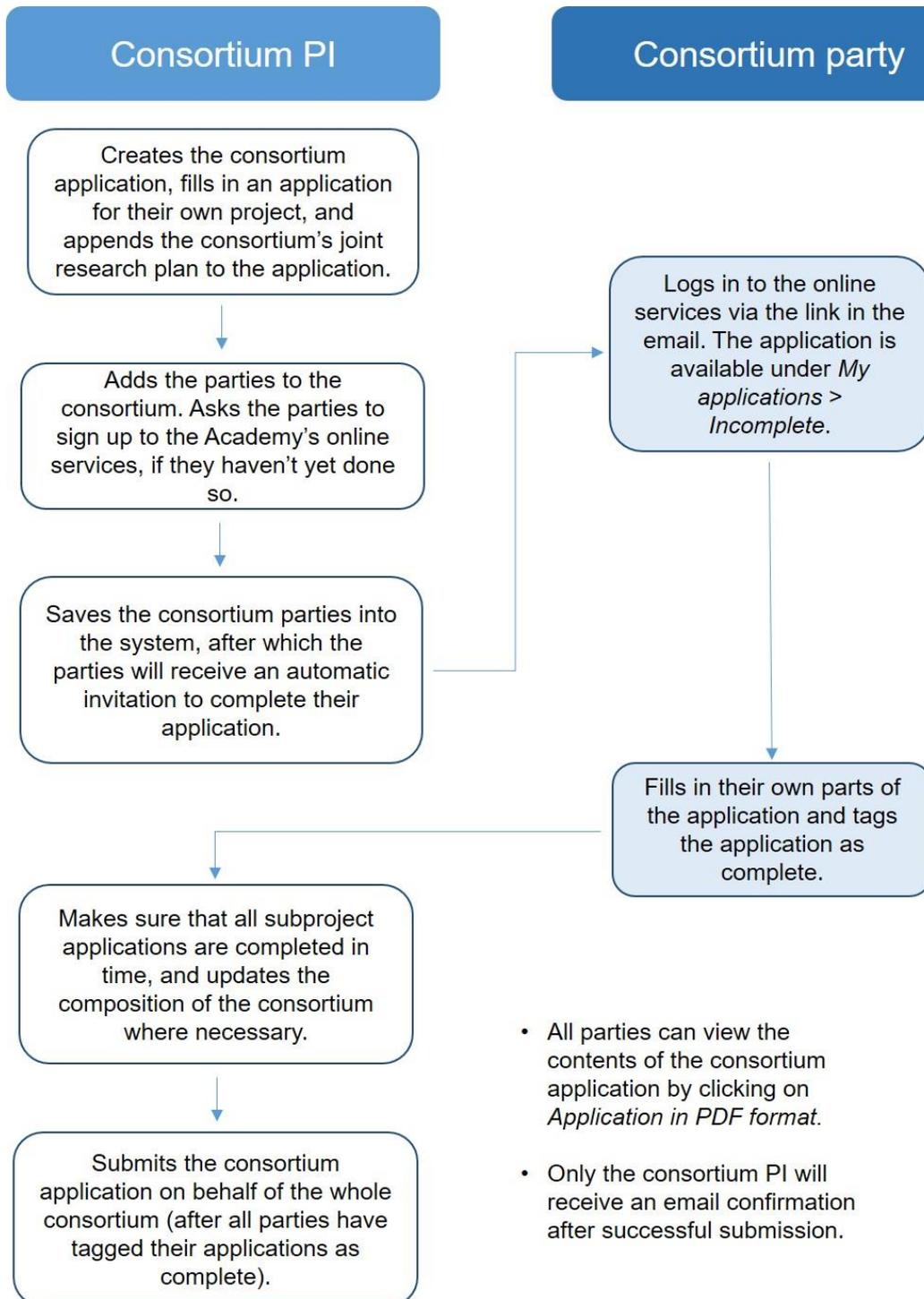
5. Data sharing and long-term preservation

How and when will the data be made available for reuse by other researchers? With what party (data archive, storage service, etc.) will you collaborate to manage the data and make them available? What resources will enable data sharing and long-term preservation?

For each of these sections, we have posted the detailed Academy's guidelines and tips for best practices in DMPTuuli on our website: detailed Academy data management plan guidelines and best practices in DMPTuuli.

APPENDIX 4: HOW TO SUBMIT A CONSORTIUM APPLICATION (FIRST AND SECOND CALL STAGE)

Also see the Guidelines for consortium application.

About this document

This call for applications is based on a document that presents the criteria for research funding decisions by the Academy of Finland and that is annually approved by the Academy Board. The calls that will open in April 2018 come under the criteria adopted on 9 November 2017. The document is available on our website.

The call for applications is prepared by an internal working group responsible for communication on the Academy's funding calls. Vice President for Research Riitta Maijala approved the Finnish-language call for applications on 27 February 2018.

This is an unofficial translation. If any questions arise concerning the accuracy of information presented in the translated version of the call for applications, please refer to the official Finnish version.

The Academy's next main application round will open in September 2018. The September call for applications (in Finnish, Swedish and English) will be posted on our website in early July (TBC). The deadline for applications is 26 September 2018 (TBC).

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