



ACADEMY OF FINLAND

APRIL CALL

2–25 April 2012

The Academy of Finland is a leading public funding agency for cutting-edge scientific research in Finland. We finance high-quality and innovative research aiming at scientific breakthroughs, act as a science policy expert and strengthen the position of science and research. Our funding is based on open competition and independent peer review. In 2012, we will make funding decisions worth about EUR 320 million. Each year, some 6,000 people work on Academy-funded projects. We promote equality and specifically encourage women to apply. For more information on the Academy of Finland, go to www.aka.fi/eng.

Please note that the deadline for the April call is 25 April 2012 at 16.15, if not otherwise indicated in the call for applications. According to tentative information, the deadline for the September call is 26 September 2012.



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This call for applications is based on a document on the criteria for research funding decisions annually approved by the Board of the Academy of Finland. The document approved on 12 April 2012 (“Criteria for research funding decisions 2011–2012”) is applied to the calls to be opened in April 2012. The document (in Finnish) is available on the Academy’s website under [General decision criteria](#).

The call for applications is prepared by a working group responsible for information on the Academy’s call. Riitta Mustonen, Vice President for Research, approved the April 2012 call for applications on 27 February 2012.



GUIDELINES ON APPLICATION FOR FUNDING

The Academy's main application rounds are in September and April.

In September, applications are invited for Academy Projects, targeted Academy Projects and research programme projects. In September, funding is also available for personal funding for research posts (Academy Professor, Academy Research Fellow, Postdoctoral Researcher, clinical researcher). Funding may also be available for other purposes.

In April, funding is available for targeted Academy Projects and other purposes. The call for Finnish Centres of Excellence in research will also open in April 2012.

The deadlines for applications for research programmes, doctoral programmes and international calls may differ from the Academy's main application deadlines.

Information on the Academy's funding opportunities is available on our website under [Funding opportunities](#).

General guidelines

Information on open calls is posted on our website at [Apply now](#). Please check the deadline separately for each call. Applications that have not arrived by the deadline can only be considered if the delay is due to causes not attributable to the applicant.

Detailed guidelines on how to submit applications are available on our website:

- 1) [Calls for applications](#) published twice a year, describing all funding opportunities open for application at that particular time
- 2) [Detailed guidelines](#) on how to submit applications
- 3) Detailed guidelines on [appendices](#) (structure and length)
- 4) [Programme memoranda](#) of research programmes to be launched.

We require that applicants read and comply with the call for applications and the other guidelines mentioned above before submitting their applications.

Who is eligible to apply?

Academy of Finland research funding is allocated **on the basis of peer review** to the **best** researchers and research teams and to **the most promising** young researchers for carrying out **scientifically ambitious** projects. Funding for Academy Projects is primarily granted to teams composed of researchers who have already earned their doctorate. In principle, a project to be funded shall serve Finnish research and society or international collaboration.

The applicant, that is, the principal investigator (PI) of a research project, must have the **qualifications of a professor or an adjunct professor (docent) or be a researcher with a doctorate**, unless the call indicates otherwise. In some funding opportunities, the applicant is a university or a research institute.



Within the same application round, the Academy will review only one application from one and the same researcher in one of the following funding opportunities:

- Academy Project (PI of a project)
- Academy Project (PI of a consortium or consortium sub-project)
- Postdoctoral Researcher
- Academy Research Fellow
- Clinical researcher (targeted funding).

If you do submit more than one application to one or several of the above mentioned funding opportunities, only the first application to arrive will be reviewed. In the case of targeted Academy Projects, decisions on this limitation will be made separately for each call.

Joint funding and full cost model

Academy of Finland research funding is a joint venture in which the funds to finance the costs of each project come from at least two sources. In applying for Academy funding, universities, research institutes and other research organisations commit to contributing their percentage of the costs.

In calls where cost calculation is based on the full cost model, the Academy's funding contribution to the project normally comes to no more than 80% of the total project costs. This maximum percentage is applied both to the calculation of *estimated* total costs at the application and decision-making stage, and to the calculation of *real* total costs during the course of the project (payment procedure) and upon completion of the project (reporting stage). The percentage is applied to all project costs, that is, to both direct and indirect costs, including the overheads share.

In your application for research funding to the Academy, you shall include a funding plan in accordance with the full cost model, including the amount of funding applied for from the Academy. At the application and decision-making stage, only funding that is confirmed (e.g. through a decision by the body that has granted the funding) is taken into account in the calculation of total project costs. *Costs that do not pass through the books of the site of research shall not be included in total project costs.*

The section "How to apply" in the call for applications indicates separately for each funding opportunity whether the full cost model or the model for additional costs previously applied by the Academy (an overheads share of 12.5%) is applied to the cost calculation. When the full cost model is applied, applications shall be written so as to ensure that the Academy's contribution to the funding comes to no more than the percentage indicated in the call for applications.

Before submitting your application, you shall contact the administration at your own organisation concerning the contribution of the site of research to the funding of your project. After the application deadline, the Academy will request a commitment by the site of research from the person you have indicated.

Guidelines on the full cost model are available on our website under [Full cost model](#).



What is funded?

The Academy will provide funding for research projects only insofar as the institution (e.g. university department) serving as the site of research undertakes to provide the research project with the necessary basic facilities. These are determined on the basis of the nature of the research, but the **usual basic facilities** are the same as those available to other research staff at the institution, such as office and laboratory premises, equipment (incl. computer equipment), and telecommunications, telephone, mailing, copying and library services.

Academy funding granted towards the direct costs of a research project are intended to cover expenses arising from the research team's working hours, research costs, travel, domestic and international collaboration and mobility, and the preparation of international projects.

The Academy may provide funding for the **VAT costs** included in the project costs only insofar as the funding recipient (usually the PI's host organisation) is not entitled to deduct the VAT costs incurred in its operation. For example, universities are not entitled to deduct the VAT costs, and consequently, these costs can be paid from funding granted by the Academy. For this reason, researchers working at universities enter their research costs in their applications with VAT costs. For more information on how to enter VAT in the application, see [Value Added Tax](#) on our website.

Academy funding can be used to cover both direct project costs (e.g. direct salaries) and indirect project costs (e.g. costs for premises). Both types of costs are covered with the same percentage.

Personal grants are normally awarded only for work or studies abroad and for a research visit by a foreign researcher to Finland for a maximum of 12 months (with the exception of funding referred to as mobility grants). A research visit exceeding 12 months requires an employment relationship in Finland. Grants are not paid to EU citizens working in Finland. While working in Finland, EU citizens shall have an employment relationship. The recommended amounts of monthly grants and a note concerning taxation are available in Appendices 2 and 3 and on our website under [Grant amounts](#).

In your application, you shall give a cost estimate including an estimate of the annual amount of funding needed, itemised by type of expenditure. You shall also include a **funding plan** with your application, that is, all funding granted for the project in question and funding provided by the site of research if the project is launched. The funding plan shall be realistic. **The cost estimate shall be justified by type of expenditure in the research plan.**

Salary of principal investigator

Academy funding for research projects is primarily intended for the **salaries of full-time researchers working on the project** and for other project costs.

1. *Principal investigator's salary for research*

The Academy can grant a total of 12 months worth of funding towards the salary of a PI of a research project funded with the Academy's research grants. The funding



towards the salary is granted for purposes of conducting research. The funding is intended to support project implementation and it is granted only for **well-substantiated reasons in terms of research** (e.g. working abroad, returning to Finland, and transferring to another research organisation or a company in Finland). **The well-substantiated reasons shall be clearly presented** in the research plan (section 5, Implementation), **together with a clear description of the tasks**. The salary shall be indicated in the application under Funding plan, Salary costs.

2. Incorporating the principal investigator's salary into project costs to be funded

Notwithstanding the above, and in accordance with the full cost model and the research plan, the salary costs of a PI of a research project can be incorporated into project costs to be funded. These costs **must not be significant in relation to the project's overall costs**. As a rule, a four-year Academy Project must not include more than six months of the PI's effective working hours. This is equivalent to one day a week or 1.5 months a year. The PI's tasks shall be clearly described in the research plan (section 5, Implementation) and the salary shall be indicated in the application under Funding plan, Salary costs.

Funding conditions

The Academy of Finland will provide funding only insofar as the site of research undertakes to provide the researcher with the necessary basic facilities for research.

Academy funding is allocated to the researcher's host organisation. Grants for work abroad (referred to as mobility grants) may also be allocated directly to researchers.

Academy funding to organisations outside the central government (e.g. universities) is classed as a discretionary government transfer. Since Academy funding is not allocated to individual researchers but to their host organisation, the host organisation is regarded as the recipient of the transfer, in accordance with the Act on Discretionary Government Transfers, and will accordingly be required to assume all related obligations. The decision to grant a discretionary government transfer is subject to specific conditions, in that the host organisation receiving the transfer is permitted to use the transfer in question solely to fund the research carried out by the PI named in the application.

Staff to be hired with Academy research funding must have an employment relationship with the site of research or the organisation that has received the funding.

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

Detailed conditions and guidelines on the use of funding and reporting are available on our website under [Use of funding](#).

Commitment by site of research

The Academy will provide funding for research projects only insofar as the institution serving as the site of research undertakes to provide the research project with the



necessary basic facilities, which are the same as those available to other research staff at the institution, such as office and laboratory premises, equipment (incl. computer equipment), and telecommunications, telephone, mailing, copying and library services.

The application includes a commitment by the site of research on which you shall agree in advance with a representative of the site of research.

In calls where the full cost model is applied, before submitting your application, you shall determine from your own organisation the *funding contribution* and *the coefficients of the site of research*, and agree on them with the commitment issuer. The coefficients indicated in the application under Funding for the project will be valid during the whole duration of the project.

The Academy may provide funding for the VAT costs associated with the project costs only insofar as the funding recipient (usually the PI's host organisation) is not entitled to deduct the VAT costs incurred in its operation. You shall indicate the VAT practices of your site of research in the application under Funding for the project.

After the application deadline, the Academy will request a commitment by the site of research from the person indicated in the application. By issuing its commitment, the site of research commits to funding the project with the **percentage presented in the funding plan** and securing the basic facilities for the project. The commitment also applies to the percentages given in the application form, that is, the overheads percentage, the percentage for indirect employee costs and the coefficient for effective working hours. The site of research shall also check that the VAT practice indicated in the application is correct.

When the funding is awarded to organisations outside the central government (e.g. universities), the site of research undertakes to act as the recipient of the discretionary government transfer on behalf of the applicant and will accordingly be required to assume all related obligations. With respect to applicants for a research post as Academy Professor and Academy Research Fellow, the commitment of the site of research also applies to the use of the researcher's working hours for purposes other than research, to salaries and to other circumstances surrounding the researcher's work.

If funding is not received from any other sources, the site of research shall cover at least 20% of total project costs. If funding is received from other sources, the contributions by other sources must also pass through the books of the site of research.

Detailed guidelines on how to issue a commitment by the site of research online are available on our website under [Commitment of site of research](#).

Project collaboration or consortium?

Researchers and research teams may collaborate through **normal project collaboration**. In this case, the partners independently apply (with their own applications) for funding for their projects and the cooperation is described in each partner's research plan. *Project collaboration applications are reviewed as separate applications.*



Applicants for research funding may also be **consortia composed of research projects** working at different sites. A consortium is a fixed-term body of individual sub-projects that work under a joint research plan with a view to generating greater added value through systematic collaboration than through normal project collaboration. Any letters of intent of the consortium and the full application with a joint research and funding plan of the consortium are submitted by the PI of the consortium. In addition, in the call for applications, the PIs of each consortium sub-project submit their applications that specify the joint research plan in terms of funding. *A consortium application is reviewed at the Academy as one application* and the decision is made by a research council or sub-committee.

Detailed guidelines on how to draft consortium applications and appendices are available on our website under [Consortium application](#).

The application of the whole consortium can be processed only if the applications of all sub-projects have been submitted by the deadline. The deadline is non-negotiable. The composition of a consortium cannot be changed after the deadline.

International joint project applications and consortia

In international joint project applications that normally involve at least two partners (i.e. a Finnish and a foreign partner), the Finnish partner submits a separate application (not a consortium application) in line with the application guidelines. A consortium application is submitted only in cases where, in addition to a foreign partner, the collaboration involves research teams from two or more Finnish sites of research, and these teams apply for funding from the Academy to implement a joint research plan.

Strategic Centres for Science, Technology and Innovation

In accordance with a decision by the Board of the Academy of Finland, the Academy works to promote leading-edge scientific research serving the Strategic Centres for Science, Technology and Innovation (known in Finnish under the abbreviation SHOK) through all its funding opportunities (Academy of Finland financial and action plan, [The Academy's Strategic Action Plan for 2013–2016](#), in Finnish). The research may be incorporated as part of a specific strategic centre or related to the thematic areas of strategic centres.

These applications will be reviewed in accordance with the Academy's general procedures and evaluation criteria. The general evaluation criteria are available on our website under [Evaluation criteria](#). For more details on the thematic areas of the Strategic Centres for Science, Technology and Innovation, see [Strategic centres](#). Contact details for the strategic centres are available at www.shok.fi/en.

If your application is tied in with a thematic area of a strategic centre, the following guidelines apply to the application: When submitting your application, select on the list in the online services the strategic centre with whose thematic area the application is affiliated.

1. If your application is *directly affiliated* with the strategic centre, you shall attach a statement issued by the strategic centre. The statement shall confirm that your



research is affiliated with the centre. It shall also give a description of the role and significance of the project for the strategic centre's operations and agree on the form and content of the collaboration between the project and the relevant centre. *The statement must be requested from the relevant strategic centre by the end of March (April 2012 call).*

2. If your application is not affiliated with a strategic centre (as described above) but you consider that the application serves the centre's thematic area, you shall justify this in your research plan.

In April 2012, applications are invited for targeted funding for research in the thematic areas of the strategic centres, see section 1.2.1.

Language of application

The Academy uses mainly foreign experts as scientific reviewers of applications. In order to ensure equal and fluent international peer review of applications and preparation of funding decisions, you are requested to submit your application in English. However, you do have the right to submit your application in Finnish or Swedish.

Ethical issues

The ethical issues and responsibilities in connection with the application stage are described on our website under [Ethical guidelines](#). The ethical issues of the research must always be specified in the research plan as they are reviewed as part of the scientific review.

Mobility plan

The application must include a mobility plan. *In the application, under Mobility*, you shall describe how the project intends to carry out mobility serving the project within Finland and abroad during the funding period. If you are applying for a research post as Postdoctoral Researcher and Academy Research Fellow, you shall also give an account of your previous mobility (under Previous mobility). In addition, *in the application, under Partners*, you shall describe how foreign researchers will participate in the project.

Besides in the application (incl. a detailed description), you shall also describe mobility, partners and the use of research infrastructures in the research plan. For detailed guidelines on how to draft a research plan appendix, see [Research plan](#) on our website.

Materials management plan

The Academy requires that applicants give an account of how the project proposes to obtain its research material, how the material produced by the project will be used and stored and how the subsequent use of the material will be facilitated. The account shall further cover the rights of ownership and use pertaining to the materials used and generated by the project. This is referred to as a 'materials management plan', and it shall be presented in connection with the research plan.



We recommend that research projects funded by the Academy deliver any social-science research data they have gathered to the Finnish Social Science Data Archive (FSD, see www.fsd.uta.fi/english). We further recommend that any language materials created within the projects be made available for other researchers through the FIN-CLARIN system.

Academy classification of research fields

In addition to your primary field of research, you may also indicate four other research fields and sub-categories in your application, ranked in order of importance. It is important that, in addition to the research field, you also give keywords describing the research and research methods in a free-text section of the application. More information is available on our website under [Research field classification](#), where also the research fields hosted by the Research Councils are listed.

Submitting applications, applications pending

Applications for the April 2012 call can be drafted and submitted in the Academy's online services as of Monday 2 April 2012. The deadline is Wednesday 25 April 2012 at 16.15, if not otherwise indicated in the call for applications. The deadline is non-negotiable.

According to Section 17 of the Finnish Administrative Procedure Act, the sender is responsible for the application arriving by the set deadline. Applications received after the deadline can only be considered if the delay or failure of submission is due to causes not attributable to the applicant. An application is regarded as pending at the Academy when the online application and the appendices defined as obligatory in the online services have been submitted in the online system. The system will indicate the successful submission of an application by sending an email to the address given by the applicant.

You cannot submit an application in accordance with the full cost model in the Academy's online system if you have entered a higher funding percentage for the Academy than is given in the call for applications. The procedure for submitting an application in the online services is described in detail in the [How to Guide](#).

If you run into problems in the online services at the time of application submission, please contact us before the deadline, either by phone or via [Questions and feedback](#) on our website. To ensure smooth drafting and submission, it is important that you submit your application well in advance of the deadline.

You shall submit your application in your own name and using your own user identification.

Only the requested appendices are to be appended to the application. The maximum length of appendices indicated in the guidelines must not be exceeded.

Supplementing an application

If you notice significant omissions in your application, or if you have, for instance, received a letter of invitation from a foreign university after the deadline, you are urged to immediately contact the person named in the call for applications, who will



open the application for your additions. These supplementary additions will be taken into account insofar as it is possible in view of the review, application processing and decision-making process.

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

Reviewing/Not reviewing applications

Academy funding is based on a scientific review of the research plan and the applicant. The evaluation procedure and criteria are presented on our website under [Application processing](#) and [Review of applications](#). You are advised to read these evaluation criteria and any additional guidelines available on the Research Councils' pages.

The Academy may, for justified reasons, decide not to review an application. In considering whether not to review an application, the criteria include the following:

- The application has arrived late.
- The application is substantially incomplete after one request for supplementary information.
- The applicant or the application does not meet the competence or other key requirements set for the call.
- The application is submitted for a purpose for which the Academy does not grant funding.
- The application does not belong to the scope of the call.
- The application submitted within a research programme call does not belong to the scope of the programme.
- The applicant has in the same application round submitted more than one application for one or several of the following funding opportunities: research post as Academy Research Fellow, research post as Postdoctoral Researcher or Academy Project. In this case, only the first application received from the applicant will be reviewed.
- The director of a Centre of Excellence (CoE) is applying for Academy Project funding during the first three years of the six-year CoE funding period; as a general rule, this also applies to other researchers closely affiliated with a CoE.
- The researcher with a research post as Academy Postdoctoral Researcher applies for a research post as Academy Research Fellow, the term of which would overlap with the Postdoctoral Researcher term for more than four months.
- The applicant has not followed the guidelines on reporting on a completed or ongoing research project with Academy funding.
- It is clearly evident that, for some other reasons, the applicant will not be eligible for funding on the basis of the application submitted.

An application not reviewed on these grounds cannot receive funding.

Publicity

Under the Finnish Act on the Openness of Government Activities (621/1999), an application and its appendices constitute a public document, with the exception of research plans, plans of intent, abstracts and progress reports.



Public project description

When a project is granted funding, the Academy will publish a description of the project on its website. The description is written by the applicant in connection with the drafting of the application. Finnish- or Swedish-speaking applicants write their description in Finnish or Swedish in the text field given in the online application. All applicants shall also write the description in English.

The public project description is a means for the Academy and researchers to disseminate information on Academy-funded research. Consequently, it is important that the description be as clear and readable as possible – it should be accessible to a general audience. It shall give the reader a brief summary of the key points of the research. For more details, see [Public description of project](#) on our website.

The Academy will not edit public project descriptions – it is the applicants themselves who are responsible for the content, clarity and style of their project descriptions.

Decisions and reviews in the online services

The Academy's decision timetables are posted online under [Decision timetables](#). The projects to be funded are posted under [Funding decisions](#).

You will receive an automatic **email message** after the funding decision has been made. After receiving this message, you can log in to the **online services** with your user identification, select the application on which the decision has been made and see whether the decision is favourable or not. You can also view the conditions related to the funding decision and read the expert reviews on your application, if such reviews have been drafted.

More information

For each funding opportunity, the call for applications indicates the presenting officials who can give you further information. The email addresses are in the format [firstname.lastname@aka.fi](#). You can also use the [Questions and feedback](#) page on our website.

Contact details

Postal address	POB 131, 00531 Helsinki
Street address	Hakaniemenranta 6
Switchboard	+358 9 774 881
Fax	+358 9 7748 8299
Registrar's Office, phone	+358 9 7748 8377
Registrar's Office, office hours	8.00–16.15
Email	kirjaamo@aka.fi
Other emails	firstname.lastname@aka.fi
Website	www.aka.fi/eng
Questions and feedback	Contacts listed in the call for applications Questions and feedback on our website



1 RESEARCH

1.1 CENTRES OF EXCELLENCE IN RESEARCH (2014–2019), LETTERS OF INTENT

Aim

The aim of the Finnish Programme for Centres of Excellence in Research (CoE) is to create favourable conditions for consortia of research teams and create potential for attaining scientific breakthroughs. Another aim is to promote collaboration and the application of novel approaches at the interfaces of scientific disciplines and fields of research. The CoE programme further boosts the use of research infrastructures, networks CoEs both nationally and internationally, increases the social impact of research and raises the quality standards, international competitiveness, visibility and esteem of Finnish science and research.

A Centre of Excellence is a unit for research and researcher training that is on the international forefront in its field. A CoE may consist of one or more leading-edge research teams working closely together, based at a university, research institute or spread over several different organisations. A CoE may also have collaboration with private-sector companies.

A CoE is an innovative and target-oriented research environment that combines international leading-edge research and the promotion and support of high-level research careers at all career stages. It reinvigorates scientific research and knowledge and know-how, and is a professionally led body with a joint, clear and challenging research vision. A CoE is competitive in its efforts to apply for international research funding. It may also be an important part of a Strategic Centre for Science, Technology and Innovation, if one exists in the CoE's thematic area.

CoE funding is intended for internationally top-level researchers and their research teams.

No limit has been set for the number of terms as a CoE. Consequently, units with previous CoE funding are also eligible to apply. The objective of the Academy is, however, to promote the renewal of both the CoE programme and the CoEs. Applications are invited from all scientific disciplines.

The criteria for the evaluation and selection of CoEs are available on our website at [Review and selection of CoE applications](#).

Funding

The six-year CoE funding is granted in two periods of three years each. The funding can be used for any category of project costs. Besides the Academy, the host organisations of the CoEs (universities and research institutes) contribute to the contract-based CoE funding as well as other potential funding bodies, foundations and business companies, depending on the nature of the project.

The Academy has not yet made decisions on the funding for the 2014–2019 CoE programme. During the first three-year period of the previous CoE programme (2012–2017), Academy funding to fifteen CoEs comes to a total of EUR 45 million.

Funding period



The funding period is 1 January 2014–31 December 2019.

Appendices

At the first stage of the call (letters of intent), the following appendices are submitted:

- plan of intent for 2014–2019, no more than six pages
- curricula vitae for the CoE director and the PIs of the research teams
- lists of publications of the CoE director and the PIs of the research teams.

Only the requested appendices are appended to the application. Make sure to draft the appendices in line with the Academy's guidelines (see [Appendices](#) on our website). The guidelines on how to draft appendices for the CoE call are also available on our website at [Centres of Excellence](#). The appendices are appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

Special terms

In this call, the cost estimate in accordance with the full cost model is drafted in a different way than in other calls:

- In the cost estimate *in the online services*, enter only the funding applied for from the Academy and the funding that comes from the sites of research (for the first three-year term, 2014–2016). The Academy's contribution to funding comes to no more than 80%.
- In the plan of intent, describe the project's *total budget for six years and specify the funding contributions of the other funding bodies*. The projects selected to the CoE programme apply for funding for the latter three-year term (2017–2019) separately in 2016.

How to apply

The call has two stages. Applications are addressed to the Academy's Programme Unit and submitted by the director of the CoE.

The deadline for letters of intent is **25 April 2012 at 16.15**. The deadline is non-negotiable. The application is drafted in the Academy's [online services](#) (select Open calls > **Centre of Excellence programme 2014–2019, letters of intent**).

Decisions on the first-stage call will be made in November 2012. Applicants selected to the second stage will be invited to submit full applications in January 2013. The Board of the Academy will appoint the units to the CoE programme in June 2013.

More information

- [CoE website](#)
- Science Adviser Timo Sareneva (Biosciences and Environment Research Unit), tel. +358 9 7748 8243
- Science Adviser Riitta Launonen (Culture and Society Research Unit), tel. +358 9 7748 8229
- Science Adviser Maaria Lehtinen (Natural Sciences and Engineering Research Unit), tel. +358 9 7748 8484
- Science Adviser Heikki Vilen (Health Research Unit), tel. +358 9 7748 8456



- Project Officer Ritva Helle (Programme Unit), tel. +358 9 7748 8286
- general questions: Science Advisers Maiju Gyran, tel. +358 9 7748 8291, and Hannele Lahtinen, tel. +358 9 7748 8409

1.2 TARGETED ACADEMY PROJECTS

1.2.1 RESEARCH IN THE THEMATIC AREAS OF STRATEGIC CENTRES

Aim

The Academy of Finland supports research within the thematic areas of the Strategic Centres for Science, Technology and Innovation (known in Finnish under the abbreviation SHOK). The present call involves two themes:

- Novel control methods and user interfaces
- New bioeconomy chemicals, materials and production technologies based on innovative forest biomass use.

The two themes will be approached from a wide perspective. The theme descriptions are available in Appendix 5. The themes have not been confined to the thematic areas of any individual strategic centre or to a particular Research Council at the Academy.

Through this targeted funding, the Academy wants to reinforce scientific research conducted within the strategic centres and support collaboration between strategic centres, universities and research institutes.

The strategic objective of the Academy is to ensure that innovation development involves a sufficient amount of cutting-edge basic research. Another aim is to increase the number of high-level researchers involved in the work of the strategic centres and thus contribute to ensuring the necessary scientific expertise. The researchers who will be granted funding are expected to apply the full spectrum of science in the fields of strategic centres and further promote and strengthen smooth and multidisciplinary collaboration between the different phases of innovation and research.

The strategic centres provide leading-edge research units and business companies that apply research results, with a new way for active and long-term collaboration. The centres implement research strategies that have been jointly drawn up by business companies, universities and research institutes.

Applicant

The applicant (i.e. the PI of a project) must have the qualifications of a professor or an adjunct professor (docent) working at a university or research institute. Funding can be applied for by individual research projects and by consortia composed of two or more research teams. Applications can be drafted in collaboration with one or several strategic centres. The applicant is a researcher.



Funding

The Academy has not yet made decisions on the total amount of funding for the 2012 call. The average amount of funding granted for three-year projects within the 2011 call came to some EUR 270,000.

Funding period

The funding period starts 1 January 2013. As a rule, the funding is granted for three years.

Special terms

While preparing your research plan, you are expected to contact the strategic centre in question to ensure the significance of the project in terms of the centre's research, as well as to agree on the research plan, resources, tasks and responsibilities of the project with the relevant strategic centre (or centres), university or research institute and any other funding bodies. Only applications that are clearly relevant to the strategic centre (or centres) will be reviewed.

Appendices

You shall append to your application a statement jointly signed by you and the relevant strategic centre (or centres), describing the significance of the proposed research and the added value it is expected to generate in terms of the centre (or centres). The statement shall be requested **by the end of March**. For other appendices, see Appendix 1A, Application appendices.

How to apply

In this call, the full cost model applies to the calculation of the project costs. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on our website under [Full cost model](#).

If the applicant is a consortium, see detailed guidelines on our website under [Consortium application](#). The application of the whole consortium can be processed only if the applications of all consortium sub-projects have been submitted by the deadline. The composition of the consortium cannot be changed after the deadline.

The deadline is **25 April 2012 at 16.15**. The deadline is non-negotiable. Applications are drafted in the Academy's [online services](#) (select Open calls > **Strategic Centre (SHOK) call, April 2012**).

More information

- www.shok.fi/en
- Science Adviser Timo Sareneva (Biosciences and Environment Research Unit), tel. +358 9 7748 8243
- Science Adviser Tiina Forsman (Culture and Society Research Unit), tel. +358 9 7748 8443



- Senior Science Adviser Ritva Taurio (Natural Sciences and Engineering Research Unit), tel. +358 9 7748 8384

1.2.2 ANTARCTIC RESEARCH

Aim

The Academy will target funding to Antarctic research. The aim is to generate internationally significant new breakthroughs in Antarctic research. The themes have not been confined to any particular thematic area but the call is open for all projects relevant in terms of Antarctic research. The research may also be global or it may focus on both polar regions but it must be research that cannot be conducted without material on or from the Antarctic.

Finland joined the Antarctic Treaty in 1984 and established the Aboa research station in 1988. Finland is a consultative member of the Antarctic Treaty, which requires significant scientific research in Antarctica. The Academy of Finland contributes to the funding of Antarctic research projects.

The following publications provide background information on Finland's Antarctic research:

- [Antarctic Research in Finland 1998–2005: International Evaluation](#)
- [Finland's Antarctic Research Strategy](#).

Special terms

Only projects that involve international collaboration are eligible to receive funding. The collaboration shall be described in the research plan. In addition, a statement by the foreign partner shall be appended to the application.

If your project involves fieldwork in Antarctica, you shall include a tentative *fieldwork plan* in your research plan. When drafting your fieldwork plan, you are requested to contact Antarctic Logistics at the Finnish Meteorological Institute to find out the possibilities to implement the project logistically. As a rule, Antarctic Logistics is responsible for the travel costs to Aboa and transportation from there to fieldwork sites. If the research requires work at a station of some other country or from a ship, such arrangements are normally taken care of by Antarctic Logistics. In accordance with the Finnish Act on environmental protection of Antarctica (28/1996), research activities in Antarctica require a permit from the Finnish Ministry of the Environment. Antarctic Logistics is responsible for acquiring this permit on the basis of the information it has received from the projects.

Funding

The Academy is prepared to fund Antarctic research with a total of EUR 2.5 million.

Funding period

The funding period starts 1 January 2013. As a rule, the funding is granted for four years.



Appendices

See Appendix 1A, Application appendices.

The research plan shall involve a tentative fieldwork plan (see above). In addition, the following appendices shall be appended:

- statement by the foreign partner that confirms the collaboration described in the research plan and the commitment by the partner (e.g. description of the partner's own funding)
- curriculum vitae for the foreign partner
- list of publications by the foreign partner
- invitation by any third party (foreign university, research institute or Antarctic Programme), if the work or part of it will be conducted on a research station of some other country.

How to apply

In this call, the full cost model applies to the calculation of the costs of a research project. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on our website under [Full cost model](#).

If the applicant is a consortium, see detailed guidelines on our website under [Consortium application](#). The application of the whole consortium can be processed only if the applications of all consortium sub-projects have been submitted by the deadline. The composition of the consortium cannot be changed after the deadline.

The deadline is **25 April 2012 at 16.15**. The deadline is non-negotiable. The application is drafted in the Academy's [online services](#) (select Open calls > **Antarctic research**).

More information

- Science Adviser Jenni Virtanen (Natural Sciences and Engineering Research Unit), tel. +358 9 7748 8298
- Science Adviser Jussi Lindström (Biosciences and Environment Research Unit), tel. +358 9 7748 8234
- Science Adviser Aki Salo (Health Research Unit), tel. +358 9 7748 8244
- Development Manager Mika Kalakoski (Finnish Meteorological Institute, FINNARP Logistics), tel. +358 50 359 2792

1.2.3 DEVELOPMENT RESEARCH: CLIMATE CHANGE

Aim

The Academy of Finland and the Finnish Ministry for Foreign Affairs have decided to launch a separate call for development research in the field of climate change. The call will be funded through additional funding from the Ministry. The projects to be



funded within this call will be integrated as part of the Academy's Research Programme on Climate Change (FICCA). The theme of the call is *climate change in developing countries*.

The Academy funds problem-oriented and multidisciplinary development research (research on developing countries) together with the Ministry for Foreign Affairs. In development research, the problems to be studied may derive from the local as well as the global level, or from a search and analysis of the connections between development phenomena at different levels.

Research projects to be funded shall strive for active collaboration with researchers and research institutes in developing countries. The annual call for funding for development research is part of the Academy's September call. This present call will supplement the annual call.

The projects to be funded within this call are expected to pursue more than one of the following objectives set for the call:

- to generate knowledge on climate change for developing countries
- to increase multidisciplinary knowledge and know-how and promote multidisciplinary research environments in developing countries
- to serve the societal needs of developing countries by producing research knowledge and combining different perspectives
- to create new research-oriented networks between Finland and developing countries
- to boost the mobility of researchers and doctoral students between Finland and developing countries
- to promote collaboration between different actors from Finland and developing countries
- to produce knowledge with a view to creating innovations to help developing countries adapt to and mitigate climate change.

Applications for research grants will be reviewed in accordance with the Academy's general review criteria. Applications will also be reviewed in terms of their relevance to the themes described above as well as the project's collaboration and contacts with developing countries and its development-policy relevance. The application shall include a separate description of the impact and the potential applicability of the research results.

After the funding has ended, the projects shall submit a research report to the Academy and, in addition, provide information on their publications and key research results to the Ministry for Foreign Affairs.

Restrictions

If the applicant has an ongoing development research project, he or she can be granted funding for another development research project only for compelling reasons.

Funding

The Academy has earmarked some EUR 1 million for the projects.



Funding period

The funding period starts 1 January 2013. As a rule, the funding is granted for two years.

Appendices

See Appendix 1A, Application appendices.

How to apply

In this call, the full cost model applies to the calculation of the costs of a research project. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on our website under [Full cost model](#).

The deadline is **25 April 2012 at 16.15**. The deadline is non-negotiable. The application is drafted in the Academy's [online services](#) (select Open calls > **Targeted call for development research: Climate change**).

More information

- Science Adviser Riitta Launonen (Culture and Society Research Unit), tel. +358 9 7748 8229
- Programme Manager Paavo-Petri Ahonen (Programme Unit), tel. +358 9 7748 8285



1.3 RESEARCH PROGRAMME CALLS

1.3.1 THE HUMAN MIND (MIELI-MIND), LETTERS OF INTENT

Aim

The human mind is subject to research from different perspectives in various fields of science and art. The challenge is to find a way to combine all of these perspectives for a productive interplay that will provide a more comprehensive and profound understanding of the human mind. The Research Programme on the Human Mind aims at promoting multidisciplinary and interdisciplinary research on the human mind and combining the research traditions of the humanities, social sciences and natural sciences.

The programme aims to support particularly projects that can attain the programme objectives and that have potential to promote the creation of nationally significant research units for research on the human mind. The projects are expected to involve partners from different disciplines or experts of different methods in an appropriate way. The content and objectives of the research programme have been described in detail in the programme memorandum.

The aims of the programme are to:

- produce new and more comprehensive knowledge and a broader understanding of the human mind, its neural basis, development, support, adaptation and functioning within a cultural and social context
- promote the dialogue between different scientific disciplines and create potential for the development of genuinely interdisciplinary research on the human mind in Finland
- consolidate the scattered research field and boost national and international collaboration in the field
- support the development of new research methods and a more integrated use of present methods in research on the human mind
- promote the exchange of information among researchers and between researchers and other interest groups (e.g. policy-makers, experts, foundations, patient organisations, associations, the media, and the general public).

Applicant

Funding can be applied for by individual research projects and by consortia composed of two or several research teams. The applicant is a researcher.

Funding

The projects within the research programme will be funded for four years. The Board of the Academy has allocated EUR 10 million for the programme's 2012 call. A supplementary international call may be launched at a later stage. As a rule, the funding period starts 1 January 2013.

Programme memorandum

The programme memorandum contains more detailed information on the programme's background, aims, themes and review criteria. The programme memorandum is available on our website on [our website](#) or upon request from our



Registrar's Office. Applicants are requested to carefully read the programme memorandum in order to submit a competitive application.

Appendices

See Appendix 1B, Appendices to letters of intent.

How to apply

The research programme has a two-stage call. The deadline for letters of intent is **25 April 2012 at 16.15**. The deadline is non-negotiable. Applications are drafted in the Academy's [online services](#) (select Open calls > **The Human Mind (MIND) 2012, letters of intent**).

Projects proceeding to the second stage will be selected on the basis of the plans of intent in June 2012. Applicants requested to submit full applications shall submit their applications in the online services no later than 17 September 2012 at 16.15. The deadline is non-negotiable.

In the call, the full cost model applies to the calculation of the costs of a research project. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on our website under [Full cost model](#).

If the applicant is a consortium, see detailed guidelines on our website under [Consortium application](#). The application of the whole consortium can be processed only if the applications of all consortium sub-projects have been submitted by the deadline. The composition of the consortium cannot be changed after the deadline.

More detailed application guidelines are available [programme memorandum](#).

More information

- Programme Manager Mika Tirronen (Programme Unit), tel. +358 40 702 7462
- Programme Manager Mikko Ylikangas (Programme Unit), tel. +358 40 586 4729
- Project Officer Sanna Hytönen (Programme Unit), tel. +358 9 7748 8222

1.3.2 The Health and Welfare of Children and Young People (SKIDI-KIDS)

Aim

In 2010, the Academy launched the Research Programme on the Health and Welfare of Children and Young People ([SKIDI-KIDS](#)), which involves three thematic areas:

- Environments of childhood growth
- Service systems
- Challenges for children's health and the promotion of health.



The aim of the programme is to study the causes of equality and marginalisation in a research-based way. The research programme now opens a call for funding in the thematic field of the marginalisation of children and young people.

The themes of this call may relate to any of the thematic areas of the original research programme. However, the research problem must primarily focus on research on the marginalisation of children and young people. The focus of this call is placed, on one hand, on the developmental factors related to *risks for marginalisation* that may affect at a very early stage and, on the other hand, on *factors that protect against marginalisation*. The Academy particularly welcomes applications involving *intervention studies* on marginalisation. This call follows the age definition, presented in the SKIDI-KIDS [programme memorandum](#), encompassing the stage of the life cycle from birth to the end of adolescence. Consequently, research on marginalised young adults (aged 25–30) does not fit in with the scope of this call.

The thematic area may cover research topics such as:

- severe childhood traumas and parenthood problems as risk factors for increased marginalisation
- research on marginalisation arising from cognitive and motor abilities or from disability
- risk factors for inequality arising from socio-economic group, place of residence and immigration
- marginalisation arising from health inequalities
- school as children's a growth environment, educational inequality
- prevention of marginalisation with cultural resources
- research on cooperation, integration and across administrative boundaries of different service sectors (social welfare, health, education) and their significance as factors preventing marginalisation
- multidisciplinary, applied and/or translational research related to the effect mechanisms of risk factors.

There is currently a heavy social demand internationally for research on marginalisation and inequality. Applicants shall therefore give a separate description in the research of how the project intends to apply the research results in a concrete way.

Applicant

Applications for funding can be submitted by consortia and individual research teams.

Funding

The Academy has earmarked EUR 5 million in funding for three-year projects. Applicants are advised to be as realistic as possible when planning their project funding.

Funding period

The funding period starts 1 January 2013.

Appendices



See Appendix 1A, Application appendices.

How to apply

In this call, the full cost model applies to the calculation of the costs of a research project. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on our website under [Full cost model](#).

If the applicant is a consortium, see detailed guidelines on our website under [Consortium application](#). The application of the whole consortium can be processed only if the applications of all consortium sub-projects have been submitted by the deadline. The composition of the consortium cannot be changed after the deadline.

The deadline is **25 April 2012 at 16.15**. The deadline is non-negotiable. Applications are drafted in the Academy's [online services](#) (select Open calls > **SKIDI-KIDS 2012, marginalisation research**).

Special

You may propose a maximum of six foreign experts who the Academy may, at its own discretion, use or not use as reviewers of individual applications or as members of review panels. You should pay special attention to that the proposed experts are not disqualified to review your application. Please send the proposals (name, organisation, email address and possible home page) on potential expert candidates by email to jukka.reivinen@aka.fi, immediately after you have submitted your application to the Academy.

More information

- Programme Manager Jukka Reivinen (Programme Unit), tel. +358 9 7748 8332
- Project Officer Ritva Helle (Programme Unit), tel. +358 9 7748 8286



2 RESEARCHER

2.1 FUNDING TO NSF GRADUATE RESEARCH 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 the Nordic Countries. The NSF and the Academy of Finland have agreed that Graduate Research Fellows can come to work on a research team of an Academy's Centre of Excellence or an Academy Professor. Funding can be applied for from the Academy for grants to be paid to Graduate Research Fellows coming to Finland.

Applicant

The funding is applied for from the Academy by the Academy Professor or the Centre of Excellence who will receive the Graduate Research Fellow. The funding is used to pay a grant to the Graduate Research Fellow.

Funding

The funding comes to a maximum of EUR 1,700 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.

Funding period

The funding period starts between 1 June and 1 December 2012. The grant can be awarded for a maximum of 12 months during a two-year period.

Appendices

- Invitation by the host to the Graduate Research Fellow
- Curriculum vitae for the Graduate Research Fellow
- GRF plan jointly drafted by the Graduate Research Fellow and the Finnish host.

How to apply

The funding includes no overheads. The deadline is **25 April 2012 at 16.15**. The deadline is non-negotiable. Applications are drafted in the Academy's [online services](#) (select Open calls > **Graduate Research Fellow**).

More information

- Coordinator Kristiina Helansuo (International Relations Unit), tel. +358 9 7748 8339
- Programme Manager Tiina Kotti (Programme Unit), tel. +358 9 7748 8205



2.2 EUROPEAN RESEARCH COUNCIL (ERC) CALLS

ERC Starting Independent Researcher Grants and Advanced Investigators Grants

The European Research Council (ERC) will open a call for **Starting Independent Researcher Grant** in summer 2012. The call for **Advanced Investigators Grant** will open in autumn 2012. Applications are invited from all fields of research.

The deadlines differ between various research fields. Further information and detailed application guidelines are available on the [ERC website](#).

Academy support to researchers successful in ERC calls

The Academy of Finland may target funding to researchers who have done well in ERC calls but have not been granted funding. This Academy funding is intended to reinforce the international competitiveness of the researchers and the projects they are heading. Eligibility to receive this type of funding requires participation in the next possible ERC call.

More information

Science Advisers Maiju Gyran, tel. +358 9 7748 8291, and Hannele Lahtinen, tel. +358 9 7748 8409 (Programme Unit)



3 ADVANCE INFORMATION ON CALLS

The Academy's next application round proper is in September 2012. The September call for applications will be published on our website in summer and applications can be submitted (according to tentative plans) in the online services as of **3 September 2012. The deadline is 26 September 2012 at 16.15**. Calls for research programmes and international calls may open before September 2012.

This advance information is tentative. Information on calls open for application will be posted on our website under [Apply now](#).

ADVANCE INFORMATION ON ACADEMY CALL WITH DIFFERENT DEADLINE

Joint project call: Nanoscience and ICT (Academy of Finland and Korean NRF)

The Academy of Finland and the National Research Foundation of Korea (NRF) are preparing a joint project call in the field of nanoscience and ICT with a view to opening a call **in May 2012**. Applications shall include a research plan jointly drafted by a Finnish research team and a Korean research team. The partners apply for funding for their projects from their own national funding agency.

After the agreements have been signed, information on funding, the funding period and the call details will be updated on [our website](#). The call for applications will be posted on our website at [Apply now](#).

More information

- Science Adviser Antti Väihkönen (Natural Sciences and Engineering Research Unit), tel. +358 9 7748 8410
- Science Adviser Ulla Ellmén (International Relations Unit), tel. +358 9 7748 8256
- National Research Foundation of Korea, Mr Choi Won-Keun, onekeun@nrf.re.kr

ACADEMY CALLS IN SEPTEMBER 2012

1. RESEARCH

- Academy Projects, all fields of research
- Targeted Academy Projects: Development research
- Targeted Academy projects: International joint research projects

Linguistics (Academy of Finland and Hungarian OTKA)

The Academy of Finland and the Hungarian Scientific Research Fund (Országos Tudományos Kutatási Alapprogramok, OTKA) are preparing a bilateral joint call in the field of linguistics with the theme "The changing linguistic scenery in Finno-Ugric speech communities and its impact on society and culture". Applications will be invited in September 2012, and the projects to be funded will start in 2013. More information: Science Adviser Krister Talvinen (Culture and Society Research Unit),



tel. +358 9 77488 226, and Science Adviser Riitta Launonen (Culture and Society Research Unit), tel. +358 9 77488 229.

Children and young people, prevention of marginalisation (Academy of Finland and South-African NRF)

The Academy of Finland and the South-African National Research Foundation (NRF) are preparing a joint project call. The theme of the call is research on children and young people. The theme is approached from a broad perspective covering, for instance, educational processes and performance, new technologies, civic engagement, environmental change, immigration, multiculturalism, economic transformation, social problems, and policy and legislative reforms related to social security and welfare. During the spring, the theme will be defined in more detail for a joint call in September 2012. More information: Science Adviser Riitta Launonen (Culture and Society Research Unit), tel. +358 9 7748 8229.

Forest research (Academy of Finland and NSFC)

The Academy of Finland and the National Science Foundation of China (NSFC) are preparing a joint project call within forest research. More information: Programme Manager Mika Tirronen (Programme Unit), tel. +358 40 702 7462.

Culture and society research (Academy of Finland and JSPS)

The Academy of Finland and Japan Society for the Promotion of Science (JSPS) are preparing a joint project call in the field of culture and society research in 2013. More information: Science Adviser Ulla Ellmén (International Relations Unit), tel. +358 9 7748 8256.

Comparative law (Academy of Finland and CASS)

The Academy of Finland and the Chinese Academy of Social Sciences (CASS) are preparing a joint project call in the field of comparative law. The call is scheduled to open in connection with the Academy's September 2012 call. More information: Programme Manager Mika Tirronen (Programme Unit), tel. +358 40 702 7462.

ICT and technology in health and medical sciences (Academy of Finland, Tekes and JST)

The Academy of Finland, Tekes and Japan Science and Technology Agency (JST) are preparing a joint project call under the theme ICT and technology in health and medical sciences. The theme will be further defined and confined into a more exact topic. According to tentative plans, a joint call will open in September 2012. Joint projects may involve one or more Finnish partners and one and more Japanese partners. More information: Science Adviser Ulla Ellmén (International Relations Unit), tel. +358 9 7748 8256.



ACADEMY RESEARCH PROGRAMMES AND RELATED CALLS

Synthetic Biology Research Programme, letters of intent

The Academy is preparing a research programme on synthetic biology. Letters of intent will be invited in September 2012. More information on the research programme is available on the [programme website](#). As part of this research programme, the Academy is preparing a joint project call with the **Indian Department of Biotechnology**. More information: Programme Unit, Programme Managers Jukka Reivinen, tel. +358 40 848 7964, and Mika Tirronen, tel. +358 40 702 7462.

Sustainable Energy Research Programme (SusEn): international joint project calls

The Academy is negotiating on launching international joint calls within the thematic areas of the Sustainable Energy Research Programme (SusEn). Negotiations are underway with the following research funding agencies:

- National Commission for Scientific and Technological Research CONICYT, Brazil
- National Council for Scientific and Technological Development CNPq, Chile
- Northern European Innovative Energy Research Programme (N-INNER)

More information on the calls will be posted on the [SusEn website](#). More information: Programme Manager Saila Seppo, tel. +358 40 591 3518.

2. RESEARCHER

- Academy Professors
- Academy Research Fellows
- Postdoctoral Researchers
- Special funding to researchers:
 - Clinical researchers
 - Funding for international researcher mobility based on bilateral agreements

INTERNATIONAL CALLS INVOLVING THE ACADEMY

HERA Research Programme on Cultural Encounters

The ERA-NET Humanities in the European Research Area (HERA) is a network involving research funding agencies from 22 European countries. The aim of HERA is to improve the position and visibility of the humanities and fund research in the field. The Academy's Research Council for Culture and Society is involved in collaboration within HERA.

HERA is launching a new research programme on Cultural Encounters in spring 2012. Funding is available for joint projects involving researchers working in at least three different eligible countries (Austria, Belgium, Croatia, Denmark, Estonia, Finland, Germany, Iceland, Ireland, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovenia, Sweden and the UK). The national HERA member organisations contribute to funding the programme, which also has been granted



ERA-NET Plus funding. The programme's funding comes to some EUR 18.5 million. The projects (involving researchers from at least three participating countries) are funded for a maximum of three years with a maximum of EUR 1 million. The funding granted to researchers working in Finland follows the Academy's conditions for Academy Project funding.

The application process will be in two stages. The deadline for outline proposals to be submitted in the online services on the HERA website is **2 May 2012 at 14 (CET)**. Applicants going through to the second stage will be requested to submit their full proposals in early October 2012. The projects to be funded with the research programme will start in June 2013 at the latest.

More information:

- www.heranet.info
- Science Adviser Kustaa Multamäki (Culture and Society Research Unit), tel. +358 9 7748 8349

Education for Tomorrow (Academy of Finland, Nordic Council of Ministers and NordForsk)

NordForsk, in collaboration with the Nordic Council of Ministers and the Nordic research funding agencies, is preparing a call with the theme "Education for Tomorrow". The call is intended for research projects that focus on outlining the role of education and the education systems in future societies. The aim is to reinforce research on education, improve the knowledge base for education policy and disseminate information on research results to society at large. Research themes can include topics such as the new content, methods and reference frames of learning; education management; education policy and international engagement; education and the future welfare society; and educational equality.

Applications can be submitted by researchers and research teams working at Nordic universities and research institutes. The research teams must involve researchers from at least three but preferably from all of the Nordic countries. The budget for the call comes to some EUR 4.7 million. The aim is to fund a total of 5–7 research projects for three years. The funding is granted towards the researchers' salaries and research costs.

The call deadline is 15 May 2012.

More information:

- NordForsk web pages NordForkin verkkosivut
<http://www.nordforsk.org/no/funding/utlysninger/preannouncement-calls-within-the-programme-education-for-tomorrow>
- Senior Adviser Lotta Strandberg (NordForsk),
firstname.lastname@nordforsk.org
- Science Adviser Kustaa Multamäki (Academy of Finland, Culture and Society Research Unit), tel. +358 9 7748 8349



Baltic Sea Research and Development Programme (BONUS)

BONUS EEIG is preparing a call within the Joint Baltic Sea Research and Development Programme (BONUS). If the BONUS EEIG steering committee decides on the call in spring 2012, it will open **in the first half of 2012**. Finnish applicants first submit their applications to the international call in line with the guidelines issued by the BONUS EEIG Secretariat. After the international call has opened, Finnish researchers apply for national funding from the Academy of Finland, possibly in connection with the Academy's September 2012 call. More information: Science Adviser Kyösti Lempa (Biosciences and Environment Research Unit), tel. +358 9 7748 8248, and www.bonusportal.org.

NORFACE Welfare State Futures Research Programme

NORFACE ERA-NET (New Opportunities for Research Funding Agency Cooperation in Europe) is preparing a new research programme on Welfare State Futures. The call will have two stages: According to advance information, the call for proposals will be published in autumn 2012, and the deadline for letters of intent will be **in early 2013**. The call for full applications will be opened in autumn 2013, and the projects to be funded are estimated to start in early 2014. The projects will be funded for 2–3 years. More information: [NORFACE ERA-NET website](#), and Science Adviser Jyrki Hakapää (Culture and Society Research Unit), tel. +358 9 7748 8277.



4 APPENDICES

APPENDIX 1 A: APPLICATION APPENDICES

When an application concerns Academy Projects, targeted Academy Projects, research posts as Academy Research Fellow or Postdoctoral Researcher, clinical researchers, the second application stage of research programmes or the second application stage of research posts as Academy Professor, the appendices listed below shall be appended. As to targeted Academy Projects, other appendices may also be requested.

Only the requested appendices are appended to the application. Make sure to draft the appendices in line with the Academy's guidelines (see [Appendices](#) on our website). The appendices shall be drafted in English and appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

1 Appendices (research posts, individual projects or project collaboration)

Obligatory appendices:

- research plan, no more than 12 pages
- curriculum vitae for the applicant, no more than four pages, including start and end dates of employment relationships, and the Finnish- or Swedish-language titles of employment relationships in Finland
- lists of publications by the applicant. Clearly indicate the ten most important publications in terms of the research plan. The list shall be drafted in accordance with the new classification, see Appendix 4.
- Finnish degree certificate or an English-language degree certificate of a doctoral degree gained abroad (only in the call for a research post as Academy Research Fellow and Postdoctoral Researcher).

Case-specific appendices:

- invitation by foreign university or research institute, if the research or part of it will be conducted abroad
- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). The ethical aspects shall always be specified in the research plan.
- statement by a Strategic Centre for Science, Technology and Innovation, confirming that the applicant's project is affiliated with the strategic centre and justifying the significance of the project for the strategic centre's operations
- progress report on all Academy-funded research projects headed by the applicant that have not submitted final reports.



2 Appendices to consortium application

Consortium applications can be considered only in the calls for Academy Projects, targeted Academy Projects and research programmes. For detailed guidelines on how to draft consortium applications, see [Consortium application](#) on our website. The appendices drafted in line with the guidelines are appended only to the application of the principal investigator of the consortium.

2.1 Application by principal investigator of consortium

In this case, an online application is filled in with which funding is applied for only for the *consortium PI's own research team*. The consortium PI appends his or her curriculum vitae under "Personal data/CV".

Appendices to be appended to the application include:

Obligatory appendices:

- research plan drafted in line with the consortium guidelines, no more than 15 pages
- curricula vitae for the PIs of the consortium sub-projects, no more than four pages/PI
- lists of publications by the consortium PI and the PIs of the consortium sub-projects. The length of the lists is not limited. In all lists, clearly indicate the ten most important publications in terms of the project. The lists shall be drafted in line with the new publication type classification, see Appendix 4.

Case-specific appendices:

- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). The ethical aspects shall always be specified in the research plan.
- progress report on all Academy-funded research projects headed by the consortium PI and the PIs of the consortium sub-projects that have not submitted final reports.
- statement by a Strategic Centre for Science, Technology and Innovation, confirming that the applicant's project is affiliated with the strategic centre and justifying the significance of the project for the strategic centre's operations
- invitation by foreign university or research institute, if the research or part of it will be conducted abroad; if needed, several invitations combined as one scanned appendix.

2.2 Application by principal investigator of consortium sub-project

In this case, only an online application is filled in with which funding is applied for *only for the research team of the PI of a consortium sub-project*. No appendices are appended to the application of the sub-project. The consortium PI appends them to his or her own application.



APPENDIX 1 B: APPENDICES TO LETTER OF INTENT

When an application is submitted to the first application stage of the call for a research post as Academy Professor or the first application stage of research programmes, the appendices listed below are appended to the application.

Only the requested appendices are appended to the application. Make sure to draft the appendices in line with the Academy's guidelines (see [Appendices](#) on our website). The appendices are drafted in English and appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

1 Letter of intent by Academy Professor applicant or by principal investigator of individual project

- plan of intent, no more than four pages
- curriculum vitae for the PI, no more than four pages
- list of publications by the PI. Clearly indicate the ten most important publications in terms of the research plan. The list shall be drafted in line with the new classification, see Appendix 4.

2 Letter of intent by consortium

For more detailed guidelines on how to draft a consortium application, see [Consortium application](#) on our website. *The letter of intent is submitted only by the consortium PI who appends his or her curriculum vitae under "Personal data/CV".*

- plan of intent for the consortium, no more than six pages
- curricula vitae for the consortium PI and the PIs of the consortium sub-projects, no more than four pages/PI
- lists of publications by the consortium PI and the PIs of the consortium sub-projects. In all lists, clearly indicate the ten most important publications in terms of the research plan. The list shall be drafted in line with the new publication type classification, see Appendix 4.



APPENDIX 1 C: APPENDICES TO APPLICATIONS IN INTERNATIONAL JOINT PROJECT CALLS

In cases where the application is submitted for an international call for joint projects, the appendices listed below are appended to the application.

Only the requested appendices are appended to the application. Make sure to draft the appendices in line with the Academy's guidelines (see [Appendices](#) on our website). The appendices are drafted in English and appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

In certain international calls, the Academy may also request other appendices or the content of the requested appendices may differ from that indicated in the guidelines below. Any exceptions to appendices are mentioned in the call in question under "Appendices".

1 Application involving a foreign and a Finnish research team

Obligatory appendices:

- research plan (no more than 12 pages), including:
 - clear description of the planned research and research collaboration (distribution of work and methods of implementation) and the added value to be generated from the collaboration
 - joint budget, including separate budgets for both partners
 - justification for the funding applied for
 - description of any researcher training to be carried out within the project
 - mobility plan detailing the research project's national and international mobility plans during the funding period, describing the involvement of foreign researchers in the project, and explaining other ways in which the project intends to transcend international, national, institutional and public/private-sector boundaries
- curricula vitae for the Finnish applicant and the foreign partner, no more than four pages each (The curriculum of the Finnish applicant is appended under "Personal data/CV".)
- lists of publications by the Finnish applicant and the foreign partner. Clearly indicate the ten most important publications in both lists in terms of the research plan.

Case-specific appendices:

- invitation by foreign university or research institute, if the research or part of it will be conducted abroad
- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). The ethical aspects shall always be specified in the research plan.
- statement by a Strategic Centre for Science, Technology and Innovation, confirming that the applicant's project is affiliated with the strategic centre and justifying the significance of the project for the strategic centre's operations
- progress report on all Academy-funded projects headed by the applicant that have not submitted final reports



- any other appendices indicated in the call for applications under “Appendices”.

2 Application involving a foreign research team and a consortium composed of two or more Finnish research teams

Consortium applications can be considered in cases when a research team working in Finland has close collaboration with at least one other team working in Finland, team, *in addition to* a foreign partner. For detailed guidelines on how to draft consortium applications, see [Consortium application](#). The appendices drafted in line with the guidelines are appended only to the application of the principal investigator of the consortium.

2.1 Application by principal investigator of consortium

With the online application, funding is applied for *only for own research team of the PI of a consortium*. The following appendices are appended to the application:

Obligatory appendices:

- research plan drafted in line with the consortium guidelines, no more than 15 pages
- curricula vitae for the PIs of the sub-projects, no more than four pages/PI. (The curriculum vitae for the consortium PI is appended under “Personal data/CV”).
- lists of publications by the consortium PI and the PIs of the sub-projects. The length of the lists is not limited. Clearly indicate the ten most important publications for each PI in terms of the project. The lists are drafted in line with the new classification (see the call for applications, Appendix 4).

Case-specific appendices:

- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). The ethical aspects shall always be specified in the research plan.
- progress report on all Academy-funded research projects of the consortium PI and the PIs of the sub-projects that have not been submitted final reports
- statement by a Strategic Centre for Science, Technology and Innovation, confirming that the applicant’s project is affiliated with the strategic centre and justifying the significance of the project for the strategic centre’s operations
- invitation by foreign university or research institute, if the research or part of it will be conducted abroad; if needed, several invitations combined as one scanned appendix
- any other appendices indicated under “Appendices”.

2.2 Application by principal investigator of consortium sub-project

Only an online application is filled in with which funding is applied for *only for the research team of the PI of a consortium sub-project*. No appendices are appended to the application of the sub-project. The consortium PI appends the appendices to his or her application.



APPENDIX 2: APPROXIMATE MONTHLY GRANTS IN 2011–2012

Recommended monthly grants payable for researcher training and research abroad and for funding researcher mobility

COUNTRY OR REGION	Researchers not receiving any grant or salary	Researchers receiving grant or partial salary	Researchers receiving full salary
Chile	€2,000	€1,200–1,700	€1,000–1,200
Germany	"	"	"
India	"	"	"
Russia (excl. Moscow)	"	"	"
South Africa	"	"	"
Taiwan	"	"	"
Belgium	€2,300	€1,600–2,000	€1,000–1,400
Canada	"	"	"
China	"	"	"
France	"	"	"
Italy	"	"	"
Netherlands	"	"	"
Nordic countries	"	"	"
USA	"	"	"
Brazil	€2,800	€1,900–2,500	€1,300–1,700
Great Britain	"	"	"
Japan	"	"	"
Republic of Korea	"	"	"
Russia (Moscow)	"	"	"
Switzerland	"	"	"
Other	€1,000–2,300	€500–1,700	€300–1,000

In determining the amount of the grant, the full grant may be increased by

- 15% if the researcher holds a doctorate and receives no other salary or fee
- 20% if the researcher has minor dependants
- 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 may be taken into account in determining the amount of the grant.

The grants awarded take into account the grant recipient's obligation to take out pension, accident and life insurance. For more information, see the [Farmers' Social Insurance Institution's](#) website, Mela Insurance for Grant and Scholarship Recipients.

As a result of the Universities Act that entered into force 1 January 2010, Finnish universities are no longer treated as public corporations in income taxation. This applies both to universities under public law and to foundation universities. This



means that grants paid at universities (incl. grants abroad invoiced on the basis of the funding decision) normally count as taxable income for the grant recipient, provided that their amount exceeds the annual amount of the State Grant for Artists. The Academy recommends that the grantee and the site of research – before the grant decision is made – consult the tax administration concerning any tax consequences possibly arising from the payment of the grant.

In 2012, the annual amount of the State Grant for Artists is EUR 19,444.88 (for more details, see the [Arts Council of Finland](#) website, FAQ, Guidelines for grant applicants).

More information on, for example, taxation of grants abroad is available in the Tax Administration's Memorandum of 27 Jan 2010, New Universities Act and international situations (in Finnish and Swedish) at www.vero.fi.

APPENDIX 3: GRANTS FOR FOREIGN RESEARCHERS WORKING IN FINLAND

Short-term visits:

Grants with compensation for accommodation €80–182/day (incl. a personal grant of €35 and a maximum compensation for accommodation of €147)

Visits longer than one month, including compensation for accommodation:

Master's degree or corresponding	€1,500–1,700/month
PhD or corresponding	€1,700–2,400/month
Professor	€2,400–4,000/month

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

The grants awarded take into account the grant recipient's obligation to take out pension, accident and life insurance. For more information, see the [Farmers' Social Insurance Institution's](#) website, Mela Insurance for Grant and Scholarship Recipients.

The Academy recommends that the site of research – before the grant decision is made – consult the tax administration concerning any tax consequences possibly arising from the payment of the grant.

Grants are not paid to EU citizens. While working in Finland, EU citizens must have an employment relationship.



APPENDIX 4: CLASSIFICATION OF PUBLICATIONS IN THE LIST OF PUBLICATIONS

We request that you follow the classification below in your list of publications. The classification is based on the classification by the Ministry of Education, Science and Culture (2010). For more information, see [Appendices](#) on our website and the Ministry's [Publication Type Classification Manual](#).

A Peer-reviewed scientific articles

Journal article (refereed), original research; review article, literature review, systematic review; book section, chapters in research books; conference proceedings
NB. Doctoral dissertations (articles) also listed under item G.

B Non-reviewed scientific articles

Non-refereed journal article; book section; non-refereed conference proceedings

C Scientific books (monographs)

Book; edited book, conference proceedings or special issue of a journal
NB. Doctoral dissertations (monographs) also listed under item G.

D Publications intended for professional communities

Article in a trade journal; article in a professional manual or guide or professional information system, textbook material; professional conference proceedings; published development or research report or study; textbook, professional manual or guide, dictionary

E Publications intended for the general public, linked to the applicant's research

Popularised article, newspaper article; popularised monograph
(No letters to the editor, short commentaries or self-published works)

F Public artistic and design activities

Published independent work of art; public partial realisation of a work of art; public artistic performance or exhibition; model or design adopted for production/use

G Theses

Polytechnic thesis, Bachelor's thesis, Master's thesis, polytechnic Master's thesis; Licentiate thesis; doctoral dissertation (monograph); doctoral dissertation (article)

H Patents and invention disclosures

Granted patent, invention disclosure

I Audiovisual material, ICT software

Audiovisual material; ICT software



APPENDIX 5: RESEARCH IN THE THEMATIC AREAS OF STRATEGIC CENTRES: THEME DESCRIPTIONS

Appendix to the April 2012 call for applications, section 1.2.1: Research in the thematic areas of Strategic Centres

The two themes in the April 2012 call for funding within the thematic areas of the strategic centres will be approached from a broad perspective and, consequently, the themes have not been confined to the thematic areas of any individual strategic centre or to a particular Research Council at the Academy.

Theme 1: Novel control methods and user interfaces

The renewal of traditional branches of industry mainly draws upon the accumulated learning and experience of policy-makers. This process can be influenced with different control methods and user interfaces. What kinds of control methods can be used to control a company's business operations and production as efficiently as possible? What kinds of user interfaces facilitate the most efficient means of control? What kinds of user interfaces facilitate customer involvement in product development processes? What kinds of user interfaces influence customer decisions to use or purchase a product? User experience forms an important basis for different operations and applications on the strategy, process and product development level. With the help of user experience, it is also possible to make good use of the potential that emerges from the joint development work of customers and end-users.

Besides technological research, we also need cognitive, anthropological, cultural and economic research to be able to find solutions that are functional from the point of view of the next generation. Functional solutions can only emerge from multidisciplinary research. They must enable the control of the company's business operations, people and machines as one harmonious element. They must be based on user interfaces that provide today's policy-makers with an opportunity to engage in efficient controlling and continuous learning. Efficient control methods and user interfaces are highly important not only for the external competitiveness of companies but also for their corporate culture, atmosphere and work motivation. In this call, research on corporate control methods and user interfaces is not confined to any particular strategic centre, but integrated into and supportive of the operations of all of the centres.

The theme can be approached from many different, multidisciplinary perspectives. This will support the efforts of the strategic centres to understand these phenomena from their own perspectives.

Theme 2: New bioeconomy chemicals, materials and production technologies based on innovative forest biomass use

Leading industrial countries are developing their future societies based on the principles of sustainable development and bioeconomy. Both the OECD (*The Bioeconomy to 2030: Designing a Policy Agenda*) and the European Union (Cologne Paper) have outlined the future bioeconomy in their strategies. A report by the Finnish Ministry of Employment and the Economy (*Kohti biotaloutta – Biotalous konseptina ja Suomen mahdollisuutena*, Towards a Bioeconomy – Bioeconomy as a Concept and



as an Opportunity for Finland, in Finnish, 2011) estimates that, in 2040, more than half of Finland's GDP will come from the bioeconomy. In the European context, the bioeconomy generally refers to a production that produces, uses, refines and markets renewable natural resources and to a consumption of products made out of renewable natural resources.

In line with the international bioeconomic division of labour, the key sources of Finnish renewable materials are the country's growing and sustainably managed forest resources. By launching this call, the Academy of Finland will contribute to strengthening a development that can make Finland one of the pioneers within a bioeconomy based on forest biomass. Efficient use of forest biomass requires leading-edge basic research that will generate new knowledge and understanding. Research is needed, for example, to develop advanced flexible and modular technologies for the cultivation, processing and production of wood as well as to acquire a more in-depth understanding of the properties and processing technologies of biomass components. In the bioeconomy, wood and fibre are valued as renewable and recyclable material in a global market highlighting sustainable development. Wood-based fractional distillates, combined with various other materials by means of new technologies such as nanotechnology, will also offer completely new product applications.

The research projects to be funded within this call are expected to develop the technologies and applications particularly in the cultivation (incl. molecular processing) and further processing of wood biomass. This will increase the possibilities to use different biomass fractions as raw materials and intermediate products in the production of new chemicals (incl. functional food and medicine) and materials (advanced fibre-based products, hybrid materials and composites).

The aim of the present call is, by means of high-level basic research, to create new and innovative applications and uses for wood and different wood components. For instance, the properties and behaviour of nanocellulose in production processes are suitable for the development of composite and hybrid materials for different purposes where the light structure, controllable mechanical, chemical and electroactive properties as well as the functionalisation with mineral or metal particles play a key role. When we understand the functionalisation of cellulose, we can use it in many different ways in hybrid materials and composites. Cellulose is the most abundantly available polymer worldwide, and discovering and developing new high-tech products is highly important for Finland. Another example is provided by biorefineries, which separate useful compounds from wood biomass for use in biofuels and materials. From the production of simple chemicals, biorefineries are now advancing to the production of nanocellulose, hemicellulose and lignin. When we have a more in-depth understanding of the formation of wood structure and can apply this understanding in the separation of different polymers and compounds, completely new prospects will open for basic and transdisciplinary research.