

**Invitation to a**

# **JOINT CALL FOR PROPOSALS**

**11<sup>th</sup> Joint Call for Research and Development Proposals  
of the ERA-NET Bioenergy**

**and**

**1<sup>st</sup> additional Joint Call for Research and Development Proposals  
of the ERA-NET COFUND Bioenergy Sustaining the Future (BESTF3)**

**Topic: Bioenergy as part of a smart and  
flexible energy system**

***Deadline for submission of pre-proposals: 23.01.2017, 13:00CET***

## 1 Summary

In this joint call, ERA-NET Bioenergy and BESTF3 aim to fund innovative, transnational research, development and innovation (R&D&I) projects in the field of bioenergy.

Funding will be offered to excellent proposals that provide clear added value through cooperation of partners in at least two (preferably more) participating countries. Novelty beyond the state of the art in the bioenergy value chain addressed must be significant, and evidence of exploitation potential must be provided (e.g. by way of tangible industry commitment).

Public funding is available for this joint call from funding bodies in Austria, Finland, Germany, Poland, Sweden and Switzerland.

### Key call dates

Call opens	10 October 2016
Deadline for submitting pre-proposals	23 January 2017, 13:00 CET
Deadline for submitting <u>full proposals</u>	20 June 2017, 13:00 CEST
Communication of the funding recommendation/decision to the applicants	End of October 2017
Expected project start	Early 2018
<p>This call is published on the webpages of ERA-NET Bioenergy and BESTF3 and on the web pages of the participating funding agencies.</p> <p>See: <a href="http://www.eranetbioenergy.net">www.eranetbioenergy.net</a> &amp; <a href="http://www.eranetbestf.net">www.eranetbestf.net</a></p>	

### \* PARTNERING OPPORTUNITY \* NETWORKING WEBINAR \*

On 29.11.2016 a networking webinar will be organised to give researchers the chance to interlink with each other and enlarge consortia. To sign up for this, applicants need to express their interest by sending an email to Carina Lemke [c.lemke@fnr.de](mailto:c.lemke@fnr.de) at the Call Secretariat **until Wednesday, 23.11.2016**.

For presenting concrete ideas and need of partners, **three PPT slides per project including project idea, existing partners/experience and missing profiles** need to be attached to the communication to the Call Secretariat as mentioned above.

An agenda and link to the webinar will be sent to registered participants on **Friday, 25.11.2016**.

## 2 Background

The European Union (EU) is committed to combatting climate change and to increasing the security of its energy supply. Bioenergy has a key role to play in achieving both targets, and already accounts for more than two thirds of total renewable energy in the EU. Bioenergy is a form of renewable energy that, if produced sustainably, saves greenhouse gas emissions. As bioenergy feedstocks are storable, bioenergy can be produced constantly and is a reliable source of energy. The European Council in 2007 adopted ambitious energy and climate change objectives for 2020 – to reduce greenhouse gas emissions by 20% (rising to 30% if the conditions are right), to increase the share of renewable energy to 20%, and to make a 20% improvement in energy efficiency. The European Parliament has continuously supported these goals.

The promotion of “*Bioenergy as part of a smart and flexible energy system*” is vital to decrease Europe’s dependency on fossil-based raw materials; taking into account, that it is not only important to maintain and increase the amount of renewable resources that can be harvested on a sustainable basis, but also to use the available biomass as efficiently as possible. Bioenergy solutions can also be important in stabilising the electricity grid with increasing amounts of variable renewable energy production. This call will thus support national as well as EU strategies.

In this joint call, ERA-NET Bioenergy and BESTF3 aim to jointly fund innovative, transnational research, development and innovation (R&D&I) projects in the field of bioenergy focussing on technology readiness levels 2-5.

The **ERA-NET Bioenergy** is a network of national funding organisations which support bioenergy projects. It was funded by the European Commission under FP6 between October 2004 and December 2010, but is now self-sustained (membership model). Further ministries or R&D funding agencies from other countries are always welcome to join the network or individual calls.

ERA-NET Bioenergy has so far funded ten calls: on small-scale combustion, on cleaning of product gas from biomass gasification, on short rotation coppice, on clean biomass combustion, on sustainable forest management and optimised use of ligno-cellulosic resources (together with WoodWisdom-Net, an ERA-Net on wood material science), on biogas and energy crops, on small-scale heat and power production from solid biomass, on integrated biorefinery concepts, on innovative bioenergy solutions and on biobased economy projects.

**BESTF3** is an ERA-NET Cofund mechanism that accesses European Community support as a result of national research programmes pooling financial resources to address a topic of particular European value. BESTF3 addresses the shortfall of innovative bioenergy pilot and demonstration plants, resulting from a lack of finance as well as a number of technical hurdles. So far, BESTF and BESTF2 have launched 2 calls and supported eight demonstration projects.

The purpose of combining the 2 ERA-NETs is to enlarge the network and provide additional value compared to national funding by supporting transnational research and knowledge exchange, and to thus increase the use of biomass for energy. The approach of ERA-NET Bioenergy/BESTF3 differs from e.g. Horizon2020 Calls in that our focus is on medium-sized consortia (typically, two to eight partners) with excellent individual merits as well as complementarity.

## 3 Scope of the joint call

### 3.1 Aim of the call

The call “*Bioenergy as part of a smart and flexible energy system*” aims at promoting a safe, environmentally friendly, reliable and economical energy supply by funding innovative, collaborative pan-European, R&D&I projects on novel bioenergy concepts.

The public funding for this call comes from the participating national R&D funding programmes and differs from country to country – see the National Annexes (Annex I). All proposals must be put in context of the national political/legal framework, available biomass raw materials, and techno-economic as well as socio-economic market situation in the countries in which work will be carried out.

The focus of the call is on bioenergy solutions that improve the efficiency of energy systems by making the system smarter and more flexible. For example bioenergy can help balancing the electricity grid as there are increasing amounts of other renewables and variable production of electricity in the system. Proposals should specifically address the integration of these bioenergy solutions to the energy system.

### **3.2 Expected projects**

Proposals may focus on different bioenergy value chains or energy uses (heating/cooling, electricity, transport biofuels), but in all cases, the question of economic, environmental and social sustainability of the solution/value chain must be addressed in the proposal. Ideally, solutions enable full or improved usage of the biomass feedstock and/or put the focus on residues, by-products and other forms of raw material that minimise competition with food production.

Solutions that integrate the production of a range of different products/intermediates (chemicals, compound materials, bioenergy incl. transport biofuels) may *also* be addressed, but projects relevant to this call are expected to focus on providing added value to the energetic use of biomass and thus improving the efficiency of the energy system as a whole.

Funding will be provided for research and development projects focussing on one of the following topics:

- A. Optimising integration of bioenergy in regional or transregional energy-infrastructure-systems (heat, electricity, mobility) with increasing amounts of variable (renewable) energy production in order to improve system stability, flexibility and energy efficiency.
- B. Identification and development of novel technologies and systems for bioenergy exploitation and use with the aim to further improve efficiency, total emissions and GHG-balances in electricity, heat and transport fuel applications.

Funding is available only for innovative, industrially relevant research and development projects. This means that a **significant step beyond the state of the art** is an absolute pre-requisite.

Further, consortia who seek funding under this call should have verified the compliance of their proposal with the following criteria:

- Feasibility of flexible bioenergy solutions
- economic feasibility
- resource efficiency
- environmental compatibility (e.g. protection/increase of biodiversity, protection of water or soil, significant CO<sub>2</sub> savings)
- positive social impacts, e.g. by generating additional income, business opportunities or jobs for/in the sector
- Public acceptance of bioenergy pathways and concepts.

Proposals must demonstrate added value from the international cooperation, in comparison to national projects. This should be evident in the layout and execution of the work packages.

Please note that some **specific topics** may be **out of scope** of a certain **national programme!** You should ***always check with all relevant funding organisations for your consortium before handing in a proposal.***

## 4 Guide for applicants

### 4.1 General

- Please note that individual national funding organisations may be limited in the kind of project they could support.
- These restrictions, as well as other important national regulations, can be found in Annex I at the end of this document.
- In case of any further questions, please contact your national funding organisation prior to submitting a pre-proposal

### 4.2 Consortia

Proposals are invited from transnational consortia which include large companies, SMEs, research groups/organisations and/or stakeholder associations, depending on national funding rules.

Projects must have at least 2 independent partners applying for funding from two different countries with funding agencies participating in the call, with the project's outputs and benefits shared between all parties.

The work plan must show real cooperation between the partners. Project outputs are expected to provide benefits to all partner countries. Consortia also need to be balanced between countries both in terms of number of partners and distribution of budget; such that all project partners contribute to and benefit from an equitable and balanced cooperation. To address this, the contribution of one country to the collaborative project must not exceed 60% of the total public funding requested. The number of partners per consortium is not limited, but the manageability of the consortium must be demonstrated.

Partners from countries which are not participating in the call are also encouraged to join a consortium (as additional partners; the minimum number of two partners from countries participating in this call remains). These so-called "third country" partners must finance their activities from other sources, as the ERA-Net Bioenergy members will not provide such funds, and projects must ensure that the exploitation of results focuses on the ERA-NET Bioenergy partner countries.

As projects are expected to be market-oriented, it is strongly recommended that one or more industrial partners participate in the consortium. If industry participation is not feasible due to the scope/outlay of the envisaged work, the reasons for this decision should be explained in the proposal. Note that detailed exploitation and dissemination plans are an important feature of every proposal.

### 4.3 Funding arrangements

Research will be **funded from national sources**, i.e. each participating national or regional funding agency funds their respective national research partners in a particular project consortium. The total funding as well as the funding available in each country is limited. For details please contact your national funding agency. Additional co-financing from stakeholders (own contributions) may be expected following national and European rules for R&D funding.

**Funding is always subject to national rules (see Annex I).**

If a proposal is selected for funding, the partners are required to sign a consortium agreement which specifies Intellectual Property Rights (IPR) and other issues regarding responsibilities within the project and exploitation of results.

**The consortium agreement must be signed before the first payment can be made.**

#### **4.4 Project duration**

The maximum project duration will be three (3) years. Projects are expected to start in early 2018, and the start and end date should be the same for all partners in a consortium.

#### **4.5 Deadline for submission**

Pre-proposals must be received via e-mail by the central **Call Secretariat at the Netherlands Enterprise Agency** (RvO, Mr. René Wismeijer, [rene.wismeijer@rvo.nl](mailto:rene.wismeijer@rvo.nl)) by **January 23<sup>rd</sup> 2017, 13:00 CET** at the latest.

It is the responsibility of each applicant to ensure their documents are submitted on time. In case of late submission (after 13:00 CET) the proposal will **not be taken into account** in order to ensure the fairness towards other applicants.

In case you do not get a confirmation that your proposal was received, you should immediately contact Mr. Wismeijer!

#### **4.6 Submission of proposals**

Pre-proposal:

- The pre-proposal consists of one common document following the structure of the template available from 10 October 2016 on [www.ernetbioenergy.net](http://www.ernetbioenergy.net) & [www.ernetbestf.net](http://www.ernetbestf.net).

Full proposal:

- In the middle of April 2017, only consortia whose pre-proposals pass the first evaluation stage will be invited to submit full proposals.
- These full proposals should follow the structure of the template which will be available on the ERA-NET Bioenergy website by April 2017 at the latest.
- A non-confidential abstract of the description of work is required (for later publication in case of success only).
- The deadline for submitting full proposals is **20th June 2017, 13:00 CEST**.
- Some national funding bodies *may* also require specific national documents (application forms or similar) from “their” applicants at this stage. Such national documents are NOT submitted centrally, but directly to the relevant ministry or agency. Please consult the relevant National Annexes at the end of this document for further details.
- All proposals should be written using ARIAL, font size 10 minimum.

#### **4.7 Evaluation of proposals**

Proposals will be evaluated against the following criteria:

- Fit to call
- Technical and scientific quality; innovation
- Quality of the consortium / Project management
- Outputs and exploitation

The full criteria for **full proposals** can be found under Annex II. Evaluation of full proposals will be performed by an international evaluation jury, selected by the funding organisations involved in the call. The international evaluation jury will provide recommendations for funding. The final decisions will be taken by the ERA-NET Bioenergy partners.

The evaluation of full proposals will take place between July and September 2017, and the panel's funding recommendations will be communicated by the end of October 2017. Projects are expected to start in early 2018.

Beyond these instructions above, your national funding agency's guidelines should be followed.

#### **4.8 Project monitoring and expected deliverables**

In addition to the standard requirements of your funding agency, the funders participating in this call require the following:

1. Participation in and presentation in the final ERA-NET status seminar
2. The completion of one common interim survey asking in brief for proceedings, possible problems, extensions etc. at about half of the project duration.
3. A common publishable and public Final Report (written in English), describing the main activities and outcomes of the work including an exploitation plan stating how the results of the project will be implemented. An abstract of the main results of the project will be published in a "joint call brochure" after the end of the projects. Detailed requirements for this report will be distributed to successful applicants once the projects have started. National guidelines have to be followed as well.

## 5 Participating countries / National contact points

### **Austria**

Austrian Ministry for Transport, Innovation and  
Technology (BMVIT)  
René Albert  
+43 1 71162 652921  
[rene.albert@bmvit.gv.at](mailto:rene.albert@bmvit.gv.at)  
Funding Organisation: The Climate and  
Energy Fund <https://www.klimafonds.gv.at/>

### **Finland**

The Finnish Funding Agency for Innovation  
(TEKES)  
Tuula Savola  
+358 295055667  
[tuula.savola@tekes.fi](mailto:tuula.savola@tekes.fi)  
<http://www.tekes.fi/en/>

### **Germany**

Fachagentur Nachhaltende Rohstoffe  
(FNR)  
Carina Lemke  
+49-3843-6930-169  
[c.lemke@fnr.de](mailto:c.lemke@fnr.de)  
[www.fnr.de](http://www.fnr.de)

### **Poland**

National Centre for Research and  
Development (NCBR)  
Karolina Janczykowska  
+48 515 061 554  
[karolina.janczykowska@ncbr.gov.pl](mailto:karolina.janczykowska@ncbr.gov.pl)  
<http://www.ncbr.gov.pl>

### **Sweden**

Swedish Energy Agency; Research and Inno-  
vation Department (SWEA)  
Anette Rothberg  
+46 (0)16 544 23 16  
[anette.rothberg@energimyndigheten.se](mailto:anette.rothberg@energimyndigheten.se)  
[www.swedishenergyagency.se](http://www.swedishenergyagency.se)

### **Switzerland**

Swiss Federal Office of Energy; Energy re-  
search section (SFOE)  
Sandra Hermle  
+41 58 465 89 22  
[sandra.hermle@bfe.admin.ch](mailto:sandra.hermle@bfe.admin.ch)  
<http://www.bfe.admin.ch/forschung/biomasse>



## Annex I: Specific National Rules

### Austria

Funding Organisation	Austrian Climate and Energy Fund in cooperation with the Federal Ministry for Transport, Innovation and Technology (bmvit)
Agency	Austrian Research Promotion Agency (FFG), Thematic Programmes
Programme name	Energy Research Programme 2016
Contact	<ul style="list-style-type: none"> <li>• <b>Maria Bürgermeister-Mähr</b> (for administrative questions) <a href="mailto:maria.buergermeister-maehr@ffg.at">maria.buergermeister-maehr@ffg.at</a>, +43 5 77 55 5040</li> <li>• <b>René Albert</b> (Contact person, Federal Ministry for Transport, Innovation and Technology (bmvit)) <a href="mailto:rene.albert@bmvit.gv.at">rene.albert@bmvit.gv.at</a>, +43 1 71162 652921</li> </ul>
Type of research funded	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> <li>• Industrial / applied research</li> <li>• Experimental development</li> </ul>
Separate national application required	Yes
Funding conditions	see <a href="https://www.ffg.at/ausschreibungen/ERA-NET-Bioenergy/Call_11">https://www.ffg.at/ausschreibungen/ERA-NET-Bioenergy/Call_11</a> * - „Guide for Proposers Bioenergy-ERA-NET 11.Call (National)“* - „Technical Guidelines for Cooperative R&D Projects transnational“* * available only in German
Funding commitment	<b>€ 1 Mio. (indicative)</b>
Further specifications	The amount of funding requested from Austrian project partners per project is between € 100,000 and € 1 Mio. The minimum value shall be seen as a guiding value. The ceiling of € 1 Mio. is fixed and must not be exceeded.  FFG conducts a formal review of all nationally relevant project proposals including the examination of the application formalities, especially the fulfilment of prerequisites specific to the offered funding instruments; reporting on relevant projects previously funded by FFG programmes; examining the financial aspects of the proposal; financial audit of applicants. The Executive Board of the Climate and Energy Fund takes the funding decision.

**Finland**

Funding Organisation	Tekes – The Finnish Funding Agency for Innovation
Type of Research Funded	<p>The Finnish projects that join the larger ERA-NET project consortium can be either</p> <ol style="list-style-type: none"> <li>1. R&amp;D projects by SME's</li> </ol> <p>or</p> <ol style="list-style-type: none"> <li>2. R&amp;D joint projects by public research organisations and companies (SME's or larger). The joint project should have an impact on the development of SME's for example through increasing networks or through new R&amp;D and business opportunities. The public research project should have a minimum of 10 % company funding (also from SME's).</li> </ol>
Funding Conditions	<p>See <a href="http://www.tekes.fi/en/">http://www.tekes.fi/en/</a></p> <p>Funding for SME's  <a href="http://www.tekes.fi/en/funding/SME/research-development-piloting/">http://www.tekes.fi/en/funding/SME/research-development-piloting/</a>          maximum 65 % of the accepted costs</p> <p>Funding for research organisations  <a href="http://www.tekes.fi/en/funding/research_organisations/public-research-networked-with-companies/">http://www.tekes.fi/en/funding/research_organisations/public-research-networked-with-companies/</a>          maximum 70 % of the accepted costs</p> <p>Funding for large companies  <a href="http://www.tekes.fi/en/funding/large-company/research-development-piloting/">http://www.tekes.fi/en/funding/large-company/research-development-piloting/</a>          maximum 40 % of the accepted costs (40 % subcontracting from research organisations or SME's expected)</p>
Separate National Application Needed	Yes
Allocated funding	1,4 MEUR (estimated)
Contact	<p>Pia Salokoski, <a href="mailto:pia.salokoski@tekes.fi">pia.salokoski@tekes.fi</a>, +358 295055672          (especially funding for research organisations and large companies)</p> <p>Sebastian Johansson, <a href="mailto:sebastian.johansson@tekes.fi">sebastian.johansson@tekes.fi</a>, +358 295055975          (especially funding for SME's)</p> <p>Tuula Savola, <a href="mailto:tuula.savola@tekes.fi">tuula.savola@tekes.fi</a>, +358 295055667          (general questions)</p>

## Germany

The German national funding will be legally and financially based on parts of BMEL's R&D programme "Förderprogramm Nachwachsende Rohstoffe (FPNR)". Regarding this call the possible funding is restricted to the two core areas:

1. *Bestimmung und Entwicklung von Technologien und Systemen zur Bioenergiegewinnung und -nutzung mit dem Ziel der weiteren Reduzierung von Treibhausgas- und Schadstoffemissionen in den Haupteinsatzgebieten Strom, Wärme und Kraftstoffe*
2. *Optimierung der Integration der Bioenergie in regionale und überregionale Energie-(infrastruktur) systeme (Wärme, Strom, Mobilität) mit dem Ziel der Verbesserung der Systemstabilität und der Energieeffizienz*

Core area 1 relates to the identification, validation and development of technologies and systems for the production and use of bioenergy. It aims at a further reduction of GHG and pollutant emissions for electricity, heat and transport fuels.

Core area 2 aims to optimize the integration of bioenergy in regional and supra regional energy (infrastructure) systems (heat, electricity, mobility) with the objective to improve systems stability and energy efficiency.

Applicants are asked to check these R&D topics: <http://www.fnr.de/projektfoerderung/fuer-antragsteller/foerderschwerpunkte/#c28428>

The possible funding for R&D projects touching the two core areas mentioned above will be derived from the German Federal Special Fund "Energie- und Klimafonds (EKF)". Actions funded from the EKF shall contribute to Germany's exit from nuclear and fossil-fuel energy. Therefore funding is strictly restricted to projects which can contribute to this aim via the utilization of bioenergy at short notice.

The FPNR is based on the COMMISSION REGULATION (EU) No 651/2014 of 17 June 2014 declaring certain categories of aid compatible with the internal market in application of Articles 107 and 108 of the Treaty. Possible proposals shall **only encompass industrial research and (mainly) experimental development** as stipulated in Article 25 (b) and (c) of before mentioned regulation. Projects addressing fundamental research and/or feasibility studies as stipulated in Article 25 (a) and (d) cannot be funded.

Project partners have to prove that they are capable to commercialize the proposed project results in their own right and without further subsidies within the existing regulatory framework. Project aiming at results which could only be commercialized with an adaption of the existing regulatory framework are not eligible for funding. Project results shall have the potential to be commercialized on the national German market under national German regulations. This holds especially true for proposals on transportation fuels.

For developing a proposal the applicants first need to consult the national guidelines for applicants: <http://www.fnr.de/projektfoerderung/fuer-antragsteller/antragsverfahren/>. The applicants then shall contact the FNR to make sure that the basic ideas of the proposal and the working plan might be eligible for funding.

Proposals embracing waste as defined in the German law „Gesetz zur Förderung der Kreislaufwirtschaft und Sicherung der umweltverträglichen Bewirtschaftung von Abfällen (KrWG)“ (law on the circular economy) are not eligible. Agricultural and/or forestry residues are within the scope of the FPNR.

Double funding is not possible. Please consult the homepage of FNR for past and ongoing projects in this scientific area.

The total requested funding of German partners in a consortium shall not exceed 500.000€.

Funding quota of German participants can be up to 100 % for universities or research organisations. In the case of companies, funding quota will be decided on a case-by-case basis depending on the size of the company, type of research/development, risk associated with the research activities,

commercial perspective of exploitation, typically up to max. 50%. In this case, overhead costs can be considered for companies. In case of small and medium enterprises, an additional bonus of 10-20 % funding quota can be awarded.

There is no obligation regarding the number of companies to be involved from Germany, but company participation is recommended **in order to ensure** exploitation of results.

The German project partners of positively evaluated full proposals will, at a later stage, be invited by FNR to submit national application forms (AZA or AZK using the electronic proposal assistant “easy” (see <https://foerderportal.bund.de/easyonline/> for details) – the usual FNR funding rules apply) within three weeks after notification. At the first stage of ERA-NET Bioenergy calls, no “easy” forms have to be completed. The guidelines for preparing AZA/AZK have to be considered for any cost calculations in the full proposal!

**FNR reserves the right to reject proposals for formal reasons, resulting in no funding for the German part of the project.** Therefore, it is highly recommended to check the funding programme as well as the guidelines for applicants on the homepage of FNR and to contact FNR for further questions!

**Funding commitment: 2 Mio € (provisional)**

**Contact person:** Carina Lemke  
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[www.fnr.de](http://www.fnr.de)

## Poland

### a) National eligibility criteria

<b>Funding Organisation</b>	National Centre for Research and Development (Narodowe Centrum Badań i Rozwoju) <a href="http://www.ncbr.gov.pl">www.ncbr.gov.pl</a>
<b>National Contact Point</b>	Karolina Janczykowska Section of Management of Applied Research Programmes INFOTECH e-mail: <a href="mailto:karolina.janczykowska@ncbr.gov.pl">karolina.janczykowska@ncbr.gov.pl</a> phone: +48 22 39 07 293 mobile: +48 515 061 554
<b>Eligible institutions</b>	Following entities are eligible to apply: <ul style="list-style-type: none"> <li>• Research Organisations;</li> <li>• Micro, Small, Medium and Large Enterprises</li> </ul> <p>Organization must be registered in Poland.</p>
<b>Additional eligibility criteria</b>	All proposals must be aligned with National regulations, inter alia: <ul style="list-style-type: none"> <li>• The Act of 30 April 2010 on the Principles of Financing Science, published in Journal of Laws 2014, item 1620;</li> <li>• The Act of 30 April 2010 on the National Centre for Research and Development, published in Journal of Laws 2016, item 900;</li> <li>• The Regulation of the Minister of Science and Higher Education of 25 February 2015 on criteria and rules on granting state aid and “de minimis” aid by the National Centre for Research and Development, published in Journal of Laws 2015, item 299.</li> </ul> <p><b>The project consortium with Polish participation must contain at least one Polish enterprise to be eligible for funding.</b></p>
<b>Eligible costs</b>	The eligible costs shall be the following: <ol style="list-style-type: none"> <li>1. <b>personnel costs</b> (researchers, technicians and other supporting staff to the extent employed on the research project);</li> <li>2. <b>costs of instruments and equipment, technical knowledge and patents</b> to the extent and for the period used for the research project; if such instruments and equipment are not used for their full life for the research project, only the depreciation costs corresponding to the life of the research project, as calculated on the basis of good accounting practice, shall be considered eligible;</li> <li>3. <b>costs for buildings and land</b>, to the extent and for the duration used for the research project; with regard to buildings, only the depreciation costs corresponding to the life of the research project, as calculated on the basis of good accounting practice shall be considered eligible; for land, costs of commercial transfer or actually incurred capital costs shall be eligible;</li> <li>4. <b>cost of contractual research</b>, costs of consultancy and equivalent services used exclusively for the research activity; the subcontracting can be obtained from consortium partner only in justified case, this need will be verified by a national experts panel;</li> <li>5. <b>other operating costs</b> including costs of materials, supplies and similar products incurred directly as a result of the research activity;</li> <li>6. <b>additional overheads</b> incurred indirectly as a result of the research project; that costs cannot account for more than <b>25%</b> of eligible project costs; That costs (6) are counted as a multiplication by percentage given above (called x%) and the rest of direct costs, <b>excluding subcontracting</b> (4); It means <math>6=(1+2+3+5)*x\%</math>.</li> </ol>

**b) National funding rates**

Funding quota of Polish participants can be up to 100% for research organisations. In the case of enterprises, funding quota will be decided on a case-by-case basis depending on the size of the company, type of research/development, risk associated with the research activities and commercial perspective of exploitation. Organization must be registered in Poland.

	<b>Large Enterprises</b>	<b>Medium Enterprises</b>	<b>Micro/Small Enterprises</b>	<b>Research organizations</b>
<b>Industrial/Applied Research</b>	Up to 50+15 (max 65 %)	Up to 50+10+15 (max 75 %)	Up to 50+20+15 (max 80 %)	Up to 100 %
<b>Experimental development</b>	Up to 25+15 (max 40 %)	Up to 25+10+15 (max 50 %)	Up to 25+20+15 (max 60 %)	Up to 100 %

Other types of activities (e.g. coordination, dissemination, management) are not eligible for funding as separate tasks. They can be included in a appropriate cost category within research tasks.

**Funding commitment: 500.000 € (provisional)**

## Sweden

**Funding body:** Swedish Energy Agency

### **Submission of proposals**

Swedish partners participating in a project recommended for funding by ERA-NET Bioenergy at the second submission stage will be invited by the Swedish Energy Agency to send the application via the online application form E-kanalen<sup>1</sup>. A Swedish project leader should be appointed of the Swedish part of the project. The Swedish application must describe the project as a whole in brief and clarify the Swedish participation regarding the objectives and implementation (clarify who does what). The description should be kept short and not exceed the specified number of pages in E-kanalen. Only the costs of the Swedish participants should be included. The full proposal of the consortium should be appended.

### **Consultation with Swedish Energy Agency is not mandatory**

It is solely the responsibility of the applicant to develop the project idea in the short outline to a full proposal.

Swedish Energy Agency will evaluate the short outline and contribute to the recommendation that will be given from the Secretariat. The recommendation may include modifications of the project idea.

### **Funding rules**

Decisions on funding research, development and innovation in the energy area are taken according to the ordinance SFS 2008:761 in the Swedish Code of Statutes. Funding quota of Swedish participants can be up to 100%, 50% and 25% of eligible costs for each participant in a project defined as basic research, applied research and development, respectively. The quota can be increased in case of e.g. small and medium enterprises see the ordinance for details. The decision cannot be appealed.

Granted projects have to meet conditions such as submitting interim and end reports as well as accounts. In addition, the projects should contribute to evaluations, conferences and other common programme activities.

### **Confidentiality**

Sweden has a constitutionally founded right of public access to official records. All documents sent to, sent from or drawn up at Swedish Energy Agency are therefore official. In this call, the documents concerned are e.g. applications, minutes from expert evaluation meeting, project contracts. Secrecy can only be claimed when legally supported. If a project leader wishes to keep an application confidential due to for example IPR reasons, Swedish Energy Agency should be informed. In case e.g. the application is asked for, Swedish Energy Agency decides whether (parts of) the document can be marked as confidential. The decision can be appealed to the Administrative Court of Appeal and subsequently to the Supreme Administrative Court.

**Funding commitment:** 12.000.000 kronor (SEK) (ca. 1.250.000 EUR)

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<sup>1</sup> <http://energimyndigheten.se/E-Tjanster/E-kanalen/>



## **Switzerland**

The Swiss Federal Office of Energy (SFOE) is able to offer funding for energy-related research as long as the projects correspond to the priorities of the research programme Bioenergy (please visit [http://www.bfe.admin.ch/forschungbiomasse/index.html?lang=en&dossier\\_id=02902](http://www.bfe.admin.ch/forschungbiomasse/index.html?lang=en&dossier_id=02902)). A specific goal for this call for proposals is to promote Swiss researchers' international collaboration within the ERA-NET Bioenergy framework.

The main focus is on applied research, development-related research and pilot applications of new technologies for the energetic use of biomass (not chemicals or compounds). All biomass for energy related value chains (biochemical, thermochemical) are eligible for funding. Strategy development, conceptual work and "stand-alone LCAs" for the application of new technologies will not be funded. Universities, research institutes and private companies are eligible for funding. Collaboration between research institutes and private companies (industry) is highly appreciated.

Proposals can be funded to a maximum of 60%. Third party contributions (a minimum of 30% of the total national project costs) are indispensable to insure the implementation of the results. This contribution can be provided in cash or in the form of performed work. The amount of third party contribution will be taken in consideration within the evaluation procedure.

The funded Swiss research partner may use and commercialize the project results. In parallel the project results will be made publicly available by SFOE. SFOE disclaims the IPRs. The mandatory can utilize the project results.

The total budget for Swiss projects is CHF 500'000 over a maximum of 36 months.

Application forms and further information are available at <http://www.bfe.admin.ch/forschung/biomasse/>

Direct communication with the national funding body SFOE is strictly mandatory directly after submission of the outline in order to develop a full proposal.

**Funding commitment: 500'000 CHF (ca 450.000€)**

### **Contact person:**

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Energy research section

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**Annex II Evaluation Criteria for full proposals**

<b>Indicator 1 - Technical/scientific quality</b>	<b>Unsatisfactory</b>	<b>Poor</b>	<b>Below average</b>	<b>Good</b>	<b>Very good</b>
<b>1.1 Novelty</b> Does the proposed project present a step forward in knowledge and technology?	0	4	8	16	20
<b>1.2 Quality of the proposed R&amp;D</b> Are the issues to be addressed significant and relevant within this field? Will the proposal as written be able to address these issues? Are worthwhile challenges identified in the proposal?	0	5	10	20	25
<b>1.3 Quality of the approach - methodology</b> Clarity, adequacy and consistency of the approach. Is there enough technical detail in the methodology? Is the approach clear, adequate to the problem and consistent? Is the project technically feasible?	0	5	10	20	25
<b>Indicator 2 - Qualification of Consortium / Project Management</b>	<b>Unsatisfactory</b>	<b>Poor</b>	<b>Below average</b>	<b>Good</b>	<b>Very good</b>
<b>2.1 Competence concerning the topics addressed / Cooperation and complementarity of partners</b> Does the consortium have the necessary competence and experience to achieve the results proposed? Is there added value by the consortium including industrial partners that are relevant in the network for getting the project results into the market?	0	4	8	16	20
<b>2.2 Quality of project management</b> Are suitable plans and structures in place to ensure the project will operate effectively over its run time? Is there sufficient detail in the project plan (milestones, work packages...)? Are arrangements in place to ensure effective & efficient communication between the partners?	0	4	8	16	20
<b>Indicator 3 - Outputs and exploitation</b>	<b>Unsatisfactory</b>	<b>Poor</b>	<b>Below average</b>	<b>Good</b>	<b>Very good</b>
<b>3.1 Potential outputs and expected results</b> Are any cost reductions and efficiency improvements likely to result from the proposed work? What is the economic perspective of the results?	0	5	10	20	25
<b>3.2 Plans for implementation and exploitation</b> Are realistic and appropriate plans in place for effective implementation and subsequent exploitation of the outputs? Are there partners who are ready to utilize the results in further development towards commercialization after the project?	0	5	10	20	25