

Invitation to a

JOINT CALL FOR PROPOSALS

13rd Joint Call for Research and Development Proposals
of the ERA-NET Bioenergy

and

3rd additional Joint Call for Research and Development Proposals
of the ERA-NET COFUND Bioenergy Sustaining the Future (BESTF3)

Topic:
**“Combined biomass valorisation to bioenergy,
industrial feedstocks and bio-based products”**

Deadline for submission of pre-proposals: 29.01.2019, 13:00CET

Call submission system:

https://ec.europa.eu/eusurvey/runner/Submission_Preprop_EB_BESTF3_2018call

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, The Netherlands, Poland, Sweden and Switzerland

1 Key call dates

Call opens	22 October 2018
Partnering opportunity / Networking webinar*	27 November 2018
Deadline for submitting pre-proposals	29 January 2019, 13:00 CET
Deadline for submitting <u>full proposals</u>	18 June 2019, 13:00 CEST
Communication of the funding recommendation/decision to the applicants	Beginning of October 2019
Expected project start	First quarter of 2020
<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: www.eranetbioenergy.net & www.eranetbestf.net</p>	

*** PARTNERING OPPORTUNITY * NETWORKING WEBINAR ***

On **27.11.2018** 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 Boris Vashev b.vashev@fnr.de at the Call Secretariat **until 20.11.2018**.

For presenting concrete ideas and need of partners, three PPT slides per project including project idea, existing partners/experience and missing experiences / partner profiles must be sent to the above address at the Call Secretariat before the webinar as well.

A link to the webinar will be sent to registered participants on **22.11.2018**.

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.

Combined biomass valorisation to bioenergy, industrial feedstocks and bio-based products is vital to decrease Europe's dependency on fossil-based raw materials, to improve the economic viability of bioenergy and to strengthen the creation of a bio-based circular economy. Innovative concepts and new technical solutions for the production of bioenergy, industrial feedstock and bio-based products have to be developed. These should improve the energy and biomass feedstock utilization efficiency and have benefits for economy, environment and society.

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 primarily focussing on **technology readiness levels in the range 2-7**.

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), with participating funding organisations from Austria, Germany, The Netherlands, Switzerland, Sweden, Poland and The United Kingdom. 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 implemented 12 joint calls and thus contributed to the funding of over 50 international R&D projects – the results can be found under www.eranetbioenergy.net.

BESTF3 is an ERA-NET Cofund mechanism that 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, the BESTF network has launched 3 calls and supported 8 demonstration projects.

By combining the two ERA-NETs the networks grow together and provide added value compared to national funding. Supporting transnational research and knowledge exchange eventually increases the use of biomass in a Bioeconomy.

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

The call “Combined biomass valorisation to bioenergy, industrial feedstock and bio-based products” aims to support innovative, collaborative pan-European, R&D&I projects. Projects should contribute to safe, environmentally friendly, reliable and economical bioenergy production in combination with the sustainable production of industrial feedstock (e.g. lipids, waxes, proteins, lignin, gaseous compounds etc.) or bio-based products (bioplastics, insulation materials, etc.) with significant market potential. The projects can focus on parts of the bioenergy value chains, however **always including conversion technologies**, and must address at least one of the following topics:

- modification of existing or the development of new value chains for the synergistic production of bioenergy and industrial feedstock from forestry and agricultural biomass
- diversification of the product portfolio of a bioenergy value chain, which can increase the environmental, economic and social sustainability of the whole process.

For some countries added value in rural areas is of particular interest – please check the national annexes!

Further, all proposed projects should demonstrate that the greenhouse gas emissions of a modified production route improve, or at least do not increase, compared to the conventional route.

Ideally, solutions should enable full or improved usage of biomass feedstock. They should put focus on residues, by-products and other forms of feedstock that minimise competition with food production and thus contribute to a circular economy. Development of new and improvement of existing concepts for the conversion of process-residues into bio-based products (BBPs) is needed to maximise the economic profitability of the overall biomass value chain.

Projects can only be considered for funding if a substantial part of the added value is derived from energy production (fuels, power and/or heat). **Please note that Germany has specific requirements concerning the bioenergy share of the income generated by the technology/application in the scope of the transnational proposal. For detailed information please check the [German National Annex](#).**

The public funding for this call comes from the participating national R&D funding programmes and differs from country to country – please 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 the project work will be carried out.

Funding is available only for innovative, industrially relevant research and development projects within the technology readiness levels range 2-7. A higher TRL than the initial must be achieved at the end of the funded project. This means that a **significant improvement beyond the state of the art** is an absolute pre-requisite. However please note that the maximal TRL increase should not exceed 2 TRL (e.g. at the beginning of the project TRL 4 up to TRL 6 at the end of the project). Further, please be aware that not all funding organisations cover the whole TRL above, please check table “SUMMARY OF FUNDING OPTIONS / RESTRICTIONS” at the next page for more details.

SUMMARY OF FUNDING OPTIONS / RESTRICTIONS

Country	Austria / BMVIT	Finland	Germany / FNR	The Netherlands RVO	Poland / NCBR	Sweden SWEA	Switzerland / SFOE
Total funding available	1 Mio. €	1.4 Mio. € (estimate)	1 Mio. €	Open	600.000 €	ca. 860.000 € 9.000.000 SEK	R&D: 550.000 € (600.000 CHF) P&D: open
max funding per partners in proposal	1 Mio. €	Not specified	500.000 €	6.000.000 €	Not specified	Not specified	Not specified
TRL fundable	TRL 2-7	TRL up to 6	TRL 4-7	TRL 4-7	TRL 2-7	TRL 2-7	TRL 2-7
Contact required	recommended	recommended	mandatory (by the January 11 th 2019 at the latest)	recommended	recommended	recommended	YES, at least 1 month prior to submission of pre-proposal
Additional documents required	YES	No	YES	YES	No	No	YES, see details below
Specific requirements	<p>Funding conditions see: https://www.ffg.at/auschreibungen/ERA-NET-Bioenergy/Call_13 Submit proposals with Austrian partners via FFG-eCall https://eCall.ffg.at</p>	<p>https://www.businessfinland.fi/en/for-finnish-customers/services/funding/in-brief/</p>	<p>Please send German “Zusatzformular” to t.gottschau@fnr.de and b.vashev@fnr.de in parallel to pre-proposal</p>	<p>The Rekenmodel Besparing SDE+ uitgaven 2019 and Rekenmodel ECN SDE+ basisbedragen 2019 (RVO website) are a compulsory annex to both pre-proposal and full proposal https://mijn.rvo.nl/tse-hernieuwbare-energie if not available yet please use the 2018 rekenmodellen for the preproposal (see Annex below)</p>	<p>Polish enterprise must be included</p>	<p>http://www.energimyndigheten.se/forskning-och-innovation/sokastod-och-rapportera/</p>	<p>“Tender for a research project” http://www.bfe.admin.ch/themen/05928/05929/index.html?lang=de or “Tender for a pilot and demonstration project” http://www.bfe.admin.ch/cleantech/06561/06568/index.html?lang=de to be submitted to SFOE at least 1 month prior to submission of full proposal</p>

4 Guide for applicants

4.1 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 number of partners per consortium is not limited, but the manageability of the consortium must be demonstrated.

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!

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. 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 share of one country in the total costs of the collaborative project must not exceed 70%.**

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.

4.2 Funding arrangements

The **maximum project duration** will be three (3) years. Projects are expected to start in early 2020, and the start and end date should be the same for all partners in a consortium.

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.

4.3 Submission of proposals

Pre-proposal:

- The pre-proposal consists of one common document following the structure of the template available from 22 October 2018 on www.eranetbioenergy.net & <http://eranetbestf.net/>.
- Throughout the whole application process, the central **Call Secretariat at the Netherlands Enterprise Agency (RvO)**, Mr. René Wismeijer, rene.wismeijer@rvo.nl is the central communication point for all applicants.

- Pre-proposals must be submitted **electronically** via the call submission system: https://ec.europa.eu/eusurvey/runner/Submission_Preprop_EB_BESTF3_2018 by **January 29th 2019, 13:00 CET** at the latest. For technical issues please contact b.vashev@fnr.de. It is the responsibility of each coordinator to ensure the requested documents (pre-proposal and additional information, in case such are requested by the concerned funding agencies) are submitted on time.

In case the coordinator do not get a confirmation by the Call Secretariat before January 30th 2019 12:00 CET, that the joint proposal was successfully received, he/she should immediately contact Mr. Wismeijer!

Full proposal:

- In April 2019, 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 after pre-proposal evaluation.
- The deadline for submitting full proposals is **18th June 2019, 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.

4.4 Evaluation of proposals

Pre-proposals will be evaluated by the national funding agencies against the following criteria:

- Contribution to the goals of the call
- Fit to national funding programmes
- Technical and scientific quality; innovation
- Quality of the consortium
- Project Management
- Outputs and exploitation

Please check the eligibility in each country and fit to national programs before handing in a proposal! Projects with ineligible coordinator will be considered as totally ineligible; projects with more than 50% ineligible partners will also be considered as totally ineligible.

The full criteria for **full proposals** can be found under Annex II.

Evaluation of full proposals will be performed by an international expert panel, selected by the funding organisations involved in the call. The international expert panel will provide recommendations for funding. The final decisions will be taken by the ERA-NET Bioenergy partners and will be communicated in the beginning of October 2019.

4.5 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 (could be within the frame of an international conference)
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 National contact points & support

5.1 National contact points

Austria

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

Finland

Business Finland
Sebastian Johansson
358 295055975
sebastian.johansson@businessfinland.fi
<https://www.businessfinland.fi>

Germany

Fachagentur Nachhaltige Rohstoffe (FNR)
Boris Vashev
+49-3843-6930-162
b.vashev@fnr.de
www.fnr.de

The Netherlands

NEA Netherlands Enterprise Agency (RVO)
René Wismeijer
+ 31 88 042 2470
rene.wismeijer@rvo.nl
<http://english.rvo.nl/>

Poland

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

Sweden

Swedish Energy Agency (SWEA);
Research and Innovation Department
Renée Ankarfjärd
+46 (0)16 544 20 80
renee.ankarfjard@energimyndigheten.se
www.energimyndigheten.se

Switzerland

Swiss Federal Office of Energy; Energy research
section (SFOE)
Sandra Hermle (**focus on bioenergy**)
+41 58 465 89 22
sandra.hermle@bfe.admin.ch
<http://www.bfe.admin.ch/forschung/biomasse>

or

Carina Alles (**focus on integrated biorefineries**)
+41 58 462 4343
carina.alles@bfe.admin.ch
www.bfe.admin.ch/research/industrial-processes

5.2 Support

CALL SEKRETARIAT

René Wismeijer
Netherlands Enterprise Agency (RVO)
+31 (0) 88 042 2470
rene.wismeijer@rvo.nl

SUBMISSION SYSTEM

Boris Vashev
Agency for Renewable Resources (FNR)
+ 49 (0) 3843 6930 162
b.vashev@fnr.de

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 2018
Contact	<ul style="list-style-type: none"> • Maria Bürgermeister-Mähr (for administrative questions) maria.buergermeister-maehr@ffg.at, +43 5 77 55 5040 • René Albert (Contact person, Federal Ministry for Transport, Innovation and Technology (bmvit)) rene.albert@bmvit.gv.at, +43 1 71162 652921
Type of research funded	<p>The Agency potentially supports the following types of RTD, namely:</p> <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Separate national application required	Submit proposals with Austrian partners via FFG-eCall https://eCall.ffg.at 29 th January 2019 13:00 CET
Funding conditions	<p>see https://www.ffg.at/ausschreibungen/ERA-NET-Bioenergy/Call_13 *</p> <p>- „Technical Guidelines for Cooperative R&D Projects transnational“*</p> <p>* available only in German</p>
Funding commitment	€ 1 Mio.
Further specifications	<p>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.</p> <p><u>Austrian partners have to submit both pre- and full proposal via the FFG eCall (in addition to submission to the Call Secretariat).</u></p> <p><u>If more than one Austrian partner is involved in a project, they have to form an Austrian “sub-consortium” for the application process at FFG. One of the Austrian partners acts as consortium leader.</u></p> <p>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.</p>

Finland

Funding Organisation	Business Finland
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"> 1. R&D projects by SME's <p>or</p> <ol style="list-style-type: none"> 2. R&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&D and business opportunities. The public research project should have a minimum of 10 % company funding (also from SME's).
Funding Conditions	<p>See https://www.businessfinland.fi/en/for-finnish-customers/services/funding/in-brief/</p> <p>Funding for SME's https://www.businessfinland.fi/en/for-finnish-customers/services/funding/sme/research-development-and-piloting/ maximum 65 % of the accepted costs</p> <p>Funding for research organisations https://www.businessfinland.fi/en/for-finnish-customers/services/funding/research-organizations/in-brief/ maximum 70 % of the accepted costs</p> <p>Funding for large companies https://www.businessfinland.fi/en/for-finnish-customers/services/funding/large-companies/research-development-and-piloting/ 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 Mio. € (estimate)
Contact	<p>Pia Salokoski, pia.salokoski@businessfinland.fi, +358 295055672 (especially funding for research organisations and large companies)</p> <p>Sebastian Johansson, sebastian.johansson@businessfinland.fi, +358 295055975 (especially funding for SME's)</p>

Germany

The German national funding will be legally and financially based on parts of BMEL's R&D programme "Förderprogramm Nachwachsende Rohstoffe FPNR" with possible funding via this call in 2 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 & überregionale Energie-(infrastruktur) systeme (Wärme, Strom, Mobilität) mit dem Ziel der Verbesserung der Systemstabilität und der Energieeffizienz*

The following table describes basic eligibility criteria for funding provided by BMEL via FNR in this call.

ELIGIBLE	INELIGIBLE
<p>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)". Applicants are asked to check the R&D topics of the EKF under www.fnr.de/projektfoerderung/fuer-antragsteller/energie-und-klimafonds/. 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.</p> <p>Ideally, proposed solutions should put focus on residues, by-products and other forms of biomass <u>from forestry and agriculture</u> that minimise competition with food production and ensure additional added value generation in rural areas.</p> <p>German applicants must ensure that the majority (> 50%) of the income generated by the technology/application in the scope of the transnational proposal is derived from bioenergy production (fuels, heat, electricity, to be defined in "Zusatzformular").</p> <p><u>Energy (or Biofuel) driven</u> Biorefineries are eligible, as their main goal is the production of one or more energy carrier/s with more than 50% of their income generated by production of fuels, power and/or heat.</p> <p>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 (Technology Readiness levels 4-7) as stipulated in Article 25 (b) and (c) of before mentioned regulation.</p> <p>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 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.</p>	<p>Double funding is not possible. Please consult the homepage of FNR for past and ongoing projects in this scientific area.</p> <p>Proposals embracing waste as defined in the German law on the circular economy („Gesetz zur Förderung der Kreislaufwirtschaft & Sicherung d. umweltverträgl. Bewirtschaftung von Abfällen (KrWG)“ are not eligible.</p> <p>Proposals where the majority (> 50%) of the income generated by the technology/application is <u>linked to bio-based products (food, feed, chemicals, and materials)</u> are not eligible.</p> <p><u>Product-driven</u> Biorefineries are not eligible.</p> <p>Projects addressing fundamental research and/or feasibility studies as stipulated in Article 25 (a) and (d) are not eligible (TRL <4).</p> <p>Projects aiming at results which could only be commercialized with an adaption of the existing regulatory framework are not eligible.</p>

PROCEDURE FOR GERMAN APPLICANTS:

1. Please consult the national guidelines for applicants:
<http://www.fnr.de/projektfoerderung/fuer-antragsteller/antragsverfahren/>
2. **Until 11.01.2019:** Send an email to t.gottschau@fnr.de and b.vashev@fnr.de with (A) ca. 100 words information on the focus of the total project and (B) ca. 200 words on the contributions of the German partners to the project. You will receive information if the idea is basically eligible or not and have a chance to adjust the project idea.
3. **Until 29.01.2019, 13:00 CET: Applicants who are interested in funding via FNR are obliged to submit the German additional information “Zusatzformular” to t.gottschau@fnr.de and b.vashev@fnr.de in parallel to submitting the pre-proposal. In case of late or failed submission, the respective project will be deemed ineligible in order to ensure the fairness towards other applicants.**

In this call German applicants must ensure that the majority (> 50%) of the income generated by the technology/application in the scope of the proposal is derived from bioenergy production (to be defined in “Zusatzformular”).

ADMINISTRATIVE BACKGROUND:

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.

In late 2019, the German project partners of positively evaluated full proposals will, be required 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). The guidelines for preparing AZA/AZK have to be considered for any cost calculations in the full proposal!

At the first stage of ERA-NET Bioenergy calls, no “easy” forms have to be completed, but the additional information “Zusatzformular” be sent to t.gottschau@fnr.de and b.vashev@fnr.de in parallel to submitting the pre-proposal.

The total requested funding of German partners in a consortium **shall not exceed 0,5 Mio. €**.

Funding commitment: 1 Mio. € (provisional)

Contact: Fachagentur Nachwachsende Rohstoffe (FNR)
www.fnr.de

Organisational contact: Boris Vashev +49-3843-6930-162; b.vashev@fnr.de
Scientific contact: Thorsten Gottschau +49-3843-6930-110; t.gottschau@fnr.de

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

The Netherlands

Requirements for Participants

Partners: Netherlands Enterprise Agency (RVO) and the Ministry of Economic Affairs

The funding conditions and amounts of subsidies will be as high as in the programme 'Hernieuwbare Energie'. The Ministry of Economic Affairs will decide on the 2019 budget and conditions for this programme in December 2018 the latest.

Dutch partners can only participate if their activities are related to production of electricity, heat and/or SNG ('green gas') and result in savings in future sde+ expenses which exceed the subsidy requested, due to a decrease in the base sum (basisbedrag). Please check the Model projectplan Hernieuwbare energie 2018 on the RVO website for the scope of the subsidy scheme.

<https://www.rvo.nl/subsidies-regelingen/subsidies-energie-innovatie-topsector-energie/hernieuwbare-energie>

For Dutch partners the filled out Rekenmodel Besparing SDE+ uitgaven 2019 and Rekenmodel ECN SDE+ basisbedragen 2019 (RVO website) are a compulsory annex to both the ERA-NET pre-proposal as the ERA-NET full proposal. If the Rekenmodellen 2019 aren't yet available online for the pre-proposal submission deadline you can use the Rekenmodellen 2018 and check with SDE+ basisbedragen 2019 <https://mijn.rvo.nl/tse-hernieuwbare-energie> . The SDE+ basisbedragen will be also published on the RVO website.

Consortia focussing on the production of electricity, heat and/or SNG ('green gas') will be requested to hand in an application for the programme 'Hernieuwbare Energie'. An application for support for Dutch partners should be sent to RVO after the ERANET-Bioenergy full proposal of the consortium is recommended for subsidy.

The parties are strongly advised to contact RVO prior to submitting a preproposal.

Funding commitment: to be decided in December 2018. The maximum funding commitment equals the maximum funding of the Dutch subsidy programmes mentioned.

Contact person: René Wismeijer
Netherlands Enterprise Agency (RVO)
+ 31 88 042 2470
rene.wismeijer@rvo.nl
<http://english.rvo.nl/>

Poland

National Centre for Research and Development (NCBR)

Contact person:

Karolina Janczykowska

karolina.janczykowska@ncbr.gov.pl

+48 515 061 554



Eligibility criteria:

Following entities are eligible to apply:

- Research organizations;
- Micro, Small, Medium and Large Enterprise.

The organisation must conduct its business, R&D or any other activity on the territory of the Republic of Poland, confirmed by an entry into the relevant register, and provide a sufficient guarantee of reliable disbursement of public funds. Max. project duration is 36 months. **The project consortium with Polish participation must contain at least one Polish enterprise to be eligible for funding.**

The eligible costs shall be the following:

1. personnel costs (researchers, technicians and other supporting staff to the extent employed on the research project);
2. costs of instruments and equipment, technical knowledge and patents 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;
3. costs for buildings and land, 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;
4. cost of contractual research, costs of consultancy and equivalent services used exclusively for the research activity; this cost type cannot account for more than 70% of all eligible costs of a project; the subcontracting can be obtained from consortium partner only in justified case, this need will be verified by a national experts panel;
5. other operating costs including costs of materials, supplies and similar products incurred directly as a result of the research activity;
6. additional overheads incurred indirectly as a result of the research project; that costs cannot account for more than 25% of all eligible project costs; That costs (6) are counted as a multiplication by percentage given above (called x%) and the rest of direct costs, excluding subcontracting (4); It means $6=(1+2+3+5)*x\%$.

National funding rates:

Funding quota of Polish participants can be up to 100% for research organizations. 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, under 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 item 299, 2015.

	Large Enterprises	Medium Enterprises	Micro/Small Enterprises	Universities and research organizations
Fundamental/Basic Research	n/a	n/a	n/a	n/a
Industrial/Applied Research	Up to 50+15 (max 65 %)	Up to 50+10+15 (max 75 %)	Up to 50+20+15 (max 80 %)	Up to 100 %
Experimental development	Up to 25+15 (max 40 %)	Up to 25+10+15 (max 50 %)	Up to 25+20+15 (max 60 %)	Up to 100 %

In any case only Industrial/Applied Research and Experimental Development will be funded. Other type of activities (e.g. coordination, dissemination, management) cannot be included into separated task. All eligible entities, invited to submit Polish proposal are obliged to use the rate of exchange of The European Central Bank dated on the day of opening the call. Polish Participants will be informed and invited to submit Polish proposal once the international evaluation and the ranking list will be established.

Additional Information

In addition to the national regulations, within a transnational call specific rules of the consortium may be applicable. Please read carefully the Call Text and all related instructions.

Sweden

Funding body: Swedish Energy Agency <http://www.energimyndigheten.se/>

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 <http://www.energimyndigheten.se/forskning-och-innovation/soka-stod-och-rapportera/>. A Swedish project leader should be appointed for the Swedish part of the project. The Swedish application must describe the overall project briefly 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 http://www.riksdagen.se/sv/dokument-lagar/dokument/svensk-forfattningssamling/forordning-2008761-om-statligt-stod-till_sfs-2008-761

. 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 need to meet conditions, such as submitting interim and end reports as well as accounts. Projects should also 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: 9.000.000 kronor (SEK) (ca. 860.000 EUR)

Contact person: Renée Ankarfjärd

Swedish Energy Agency, Research and Innovation Department

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Switzerland

The Swiss Federal Office of Energy (SFOE) is able to offer funding for energy-related research, under the condition that the projects are aligned with the priorities of the Federal Energy Research Masterplan (please visit http://www.bfe.admin.ch/forschungbiomasse/02339/index.html?lang=en&dossier_id=01157). 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 in stand-alone facilities or in integrated biorefineries. All biomass for energy related value chains (biochemical, thermochemical) are eligible for funding, under the condition that the proposed projects enable significant improvements in energy efficiency and / or novel ways of integrating renewable energy in these value chains. 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.

R&D projects

Proposals can be funded up to a maximum of 80%. Third party contributions are strongly encouraged to insure the implementation of the results. This contribution can be provided in cash or in the form of performed work. The commitment level of potential implementation partners will be an important criterion within the evaluation procedure.

P&D projects

Funding of Swiss participants is limited to 40% (in exceptional cases 60%) of the eligible project costs. Eligible projects costs cover only the additional project costs that cannot be amortized over the expected lifetime of the developed installation or solution. Additional projects costs are defined as the additional project costs when compared to the costs of implementing an equivalent, conventional technology or solution. See the program directive for the list of admission criteria as well as the expected deliverables of the pilot- and demonstration program projects.

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.

Application forms and further information are available

For R&D Projects @ www.bfe.admin.ch/energyresearch

For P&D Projects @ <http://www.bfe.admin.ch/cleantech/06561/06568/index.html?lang=de>

Funding commitment (over 36 months):

R&D projects: 600'000 CHF (approx. 545.000€)

P&D projects: open

Any contract shall be subject to the approval of annual credit facilities by the Swiss Parliament.

To coordinate national and ERANET Bioenergy, direct communication with the national funding body SFOE is **strictly required at least one month prior to the** submission of the pre-proposal.

Contact persons:

Swiss Federal Office of Energy
Energy Research

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or

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www.bfe.admin.ch/research/industrial-processes

Annex II Evaluation Criteria for full proposals

Indicator 1 - Technical/scientific quality	Unsatisfactory	Poor	Below average	Good	Very good
1.1 Novelty Does the proposed project present a step forward in knowledge and technology?	0	4	8	16	20
1.2 Quality of the proposed R&D 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
1.3 Quality of the approach - methodology 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
Indicator 2 - Qualification of Consortium / Project Management	Unsatisfactory	Poor	Below average	Good	Very good
2.1 Competence concerning the topics addressed / Co-operation and complementarity of partners Does the consortium have the necessary competence and experience to achieve the results proposed? Is there added value in the co-operation including industrial partners?	0	4	8	16	20
2.2 Quality of project management 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
Indicator 3 - Outputs and exploitation	Unsatisfactory	Poor	Below average	Good	Very good
3.1 Potential outputs and expected results Are any cost reductions and efficiency improvements likely to result from the proposed work? What is the economic potential of the results? How will the energy greenhouse gas footprint of the value chain in question change?	0	5	10	20	25
3.2 Plans for implementation and exploitation Are realistic and appropriate plans in place for effective implementation and subsequent exploitation of the outputs?	0	5	10	20	25