



SOLAR-ERA.NET Transnational Calls PV1 and CSP1

Guidelines for Proposers

4 March 2013



SOLAR-ERA.NET is a FP7 funded European network of national and regional research and technology development (RTD) and innovation programmes in the field of solar electricity generation.

Contents

1. Introduction	3
2. Scope and Structure of the SOLAR-ERA.NET Transnational Calls PV1 and CSP1	3
3. Structure of the SOLAR-ERA.NET Transnational Calls PV1 and CSP1	4
3.1 Participating States, Organisations and Programmes	
3.2 Objectives	
3.3 Topics of the SOLAR-ERA.NET Transnational Calls PV and CSP1	
3.4 Funding Rules	
3.5 Eligibility Issues	
3.6 Confidentiality	
3.7 Submission Procedure	
3.8 Consortium Agreement	
3.9 Project Budget and Duration	
4. Application and Evaluation Procedure for SOLAR-ERA.NET Projects	10
4.1 Preproposal	
4.2 Full Proposal and National / Regional Funding Applications	
5. Funding and Reporting	13
5.2 Contract	
5.2 Start and Instalments	
5.3 Monitoring	
5.4 Dissemination	
6. Eligible RTD Topics and Activities as well as Specific Requirements	14

1. Introduction

SOLAR-ERA.NET is a FP7 funded European network of national and regional research and technology development (RTD) and innovation programmes in the field of solar electricity generation, i.e. photovoltaics (PV) and concentrating solar power (CSP) / solar thermal electricity (STE).

SOLAR-ERA.NET shall contribute to reach the objectives of the Solar Europe Industry Initiative (SEII) through carrying out the coordination and support actions for the implementation of the SEII between national and regional RTD and innovation programmes.

The SEII is embedded in the European Strategic Energy Technology Plan (SET-Plan) which aims to increase, coordinate and focus EU support on key low-carbon energy technologies in order to achieve the Europe's 2020 energy objectives in the future. The SEII is a joint initiative of the industry sector, EC and member states. The objective of the SEII is to boost the development of the PV and CSP sector beyond "business-as-usual" in the areas of Research and Development, Demonstration and Deployment. For the concerned solar electricity technologies, Implementation Plans have been developed; setting out priorities for RTD in Europe.

The goal of SOLAR-ERA.NET is to undertake joint strategic planning, programming and activities for RTD and innovation in the area of solar electricity generation. Joint activities, namely joint calls, are defined for key topics and priorities in accordance with the Solar Europe Industry Initiative (SEII). These transnational calls are part of these activities.

2. Scope and Structure of the SOLAR-ERA.NET Transnational Calls PV1 and CSP1

The general scope of the SOLAR-ERA.NET transnational calls is:

- i) to seek new and complementary RTD and innovation projects in the field of solar electricity technologies
- ii) to strengthen the international collaboration in the field of solar power RTD and innovation and therewith improve the effectiveness and efficiency of regional and national programmes
- iii) to contribute both to European industry competitiveness and to its innovation capability

The following topics are part of the first set of transnational calls:

SOLAR-ERA.NET transnational call PV1:

- PV1.1 Innovative processes for inorganic thin-film cells & modules
- PV1.2 Dedicated modules for BIPV design and manufacturing
- PV1.3 Grid integration and large-scale deployment of PV
- PV1.4 High-efficiency PV modules based on next generation c-Si solar cells
- PV1.5 Solar glass and encapsulation materials

SOLAR-ERA.NET transnational call CSP1:

- CSP1.1 Cost reduction and efficiency increase in components
- CSP1.2 Dispatchability through storage and hybridisation
- CSP1.3 New fluids for STE plants

Not all national and regional programmes are open for applications in all topics (see section 6).

Applications in SOLAR-ERA.NET transnational calls follow a 2-step-procedure:

- Preproposals must be submitted by 15 May 2013, 17:00 CET.
- Full proposals must be submitted by 9 October 2013, 17:00 CET.

As selected projects will be funded by national / regional agencies, all project partners must contact their respective national / regional programme funding organisation / contact points (see Table 1) before submitting a proposal. Rules and requirements of all respective national / regional programme apply on top of SOLAR-ERA.NET rules and requirements (see Tables 3 – tbd).

3. Structure of the SOLAR-ERA.NET Transnational Calls PV1 and CSP1

3.1 Participating States, Organisations and Programmes

The intention of the SOLAR-ERA.NET is to facilitate joint activities in the field of solar electricity technologies both at the transnational and at the national / regional level. In this context, the SOLAR-ERA.NET transnational calls PV1 and CSP1 are carried out to bring forward transnational applied RTD and innovation projects to be funded by the respective participating national / regional SOLAR-ERA.NET partners (see Table 1).

Table 1: National / Regional and Funding Organisation Contact Points in SOLAR-ERA.NET Transnational Calls PV1 and CSP1

Country / Region	Organisation (Funding Organisation or Contact Point)	Contact(s) and Domain(s)
Austria	i) Austrian Promotion Agency (FFG) ii) Austrian Federal Ministry for Transport, Innovation and Technology (BMVIT) iii) Austrian Climate Research Fund	i) Anita Hipfinger (for call implementation and helpdesk) anita.hipfinger (at) ffg.at, +43 5 7755 5025 ii) Fritz Fahringer (for strategic and general issues) fritz.fahringer (at) bmvit.gv.at iii) Elvira Lutter (for strategic and general issues) elvira.lutter (at) klimafonds.gv.at
Belgium Flanders	IWT	i) Elsie De Clercq (for PV1) edc (at) iwt.be, +32 2 432 42 78 ii) Sara Van Overmeire (for PV1) svo (at) iwt.be, +32 2 432 42 80
Belgium – Wallonia	Service public de Wallonie (SPW)	i) Julie Marlier (for eligibility issues) julie.marlier (at) spw.wallonie.be, +32 81 33 45 49 ii) Laurence Polain (for scope) laurence.polain (at) spw.wallonie.be, +32 81 48 63 42
Cyprus	Research Promotion Foundation (RPF)	Leda Skoufari-Themistou leda (at) research.org.cy, +357 22205040
Denmark	Energinet.dk (ForskEL)	Jesper Bergholdt Soerensen (for PV1) jbh (at) energinet.dk, +45 30522218
Finland	Tekes	i) Karin Wikman (for all topics) karin.wikman (at) tekes.fi, +358 50 5577723 ii) Aila Maijanen aila.maijanen (at) tekes.fi, +358 50 5577882

France	Agence de l'environnement et de la maîtrise de l'énergie (ADEME)	i) Céline Coulaud (for CSP1) celine.coulaud (at) ademe.fr, +33 4 93 95 79 00 ii) Yvonnick Durand (for PV1) yvonnick.durand (at) ademe.fr, +33 4 93 95 79 00
Germany	Projektträger Jülich (PtJ)	Geschäftsbereich Erneuerbare Energien i) Hermann Bastek h.bastek (at) fz-juelich.de, +49 2461 61 4849 ii) Martina Davids m.davids (at) fz-juelich.de, +49 2461 61 9056
Netherlands the	NL Agency	Directorate Energy and Climate Otto Bernsen, otto.bernsen (at) agentschapnl.nl
Poland	NCBR	Hanna Sroczyńska hanna.sroczynska (at) ncbr.gov.pl, +48 785 661 473
Spain	Ministry of Economy and Competitiveness (MINECO)	Severino Falcón severino.falcon (at) mineco.es, +34 91 603 79 59
Sweden	Swedish Energy Agency (SWEA)	i) Susanne Karlsson susanne.karlsson (at) swedishenergyagency.se, +46 16 544 23 75 ii) Tobias Walla tobias.walla (at) swedishenergyagency.se, +46 16 544 29 54
Switzerland	i) Swiss Federal Office of Energy (SFOE) ii) NET Nowak Energy & Technology Ltd.	i) Stefan Oberholzer (for CSP1 and PV1) stefan.oberholzer (at) bfe.admin.ch, +41 31 325 89 20 ii) Stefan Nowak (for PV1) stefan.nowak (at) netenergy.ch, +41 26 494 00 30
Turkey	Türkiye Bilimsel ve Teknolojik Araştırma Kurumu (Tübitak)	i) Dr. İsmail Doğan ismail.dogan (at) tubitak.gov.tr, +90 312 4685300 ii) Kaan Karaöz kaan.karaoz (at) tubitak.gov.tr, +90 312 4685300
United Kingdom	Technology Strategy Board (TSB)	i) Graham Mobbs (for eligibility issues) graham.mobbs (at) tsb.gov.uk ii) Christian Inglis (for scope) christian.inglis (at) tsb.gov.uk

3.2 Objectives

The aim is to fund **industrially relevant** transnational RTD and innovation projects in the field of solar electricity technologies. The project proposals must clearly demonstrate:

- Potential commercial impact / relevance to industrial and market needs / contribution to the Solar Europe Industry Initiative and added transnational value
- Scientific and technological excellence
- Quality and efficiency of the implementation and the management

3.3 Topics of the SOLAR-ERA.NET Transnational Calls PV1 and CSP1

Topics for SOLAR-ERA.NET transnational calls PV1 and CSP1 are based on the Priority Topics defined within the Solar Europe Industry Initiative. Tables 3a and 3b show which topics and types of research activity can be supported by which regional and national programmes.

Topics for SOLAR-ERA.NET transnational call PV1

PV1.1 Innovative processes for inorganic thin-film cells & modules:

Projects shall demonstrate that it is possible to manufacture modules of equivalent performance at an industrial scale in a cost effective manner to those manufactured by the current vacuum based deposition processes. The cost of equipment required for these (typically non-vacuum) processes will need to be 15-50% of that required for vacuum based processes. In addition, it is expected that there will be a lower requirement for consumable materials due to a more effective, less wasteful deposition process.

PV1.2 Dedicated modules for BIPV:

Projects shall aim at design of, and manufacturing technologies for PV elements (modules / laminates, semifabricates) that are especially suited for integration into building envelopes, building elements, infrastructure objects, etc. Such PV elements should have clear added value over standard modules and open up or strengthen market opportunities in the built environment. Alternatively, projects may focus on integration of PV elements into building components. Technologies proposed should also aim at low cost, increased efficiency and at optimisation of performance and the environmental profile. Compliance with the applicable codes and standards is a prerequisite. Projects may focus on design and functionality, on innovative materials and manufacturing technologies, or on both. Examples of the many aspects of interest are: excellent aesthetics combined with high performance, novel approaches to electrical (inter)connections, ease of installation and replacement, reliability and lifetime, robustness for (partial) shading, combined generation of electricity and heat, and incorporation of next generation technologies and more. Active involvement of potential users in the downstream part of the value chain (building companies, manufacturers of building elements, etc.), as well as testing and demonstration of the products developed, are encouraged to be part of the projects.

PV1.3 Grid integration and large-scale deployment of PV:

Technologies and concepts for maximum value and high penetration (including smart PV modules embedding additional functionalities and/or intelligence): Proposals shall address innovation in both PV system components and in the operational management approaches. In the case of PV components, this may include maximizing energy yield, control of active and reactive power, integrated storage, communications and smart module concepts, particularly in the context of deployment within the smart grid. In terms of operational innovation, this may include forecasting and prediction of both energy production and demand, together with innovative marketing and financial tools in the transition to a market without enhanced tariffs.

PV1.4 High efficiency PV modules based on next generation crystalline silicon solar cells:

On one hand, projects shall aim at the simultaneous development of new device architectures and approaches such as heterojunctions, rear-contact and rear-junction cells, and PERL-like designs, using n- or p-type silicon, and, on the other hand, high-throughput and novel processes for layer deposition, metallisation, etc.; including the use of lasers, ion implantation and other advanced options. The goal is device, process and equipment design and optimisation in order to achieve cell efficiencies above 22% at competitive costs. Projects should cover the entire manufacturing process up to the module level and therefore also address cell handling, interconnection, and encapsulation. Here the goal is to achieve module efficiencies above 20%. Finally, projects should demonstrate module reliability (using climate chamber tests, and (where possible) outdoor tests and provide an analysis of the environmental aspects (using LCA).

PV1.5 Solar glass and encapsulation materials:

The development of thinner, stronger, conformal, lower cost glass through new compositions (mineral or organic), novel tempering, novel interlayers and, possibly, new module designs are all research topics that would make significant contributions to reducing weight and cost, as well as boosting module performance. Currently, the glass used for PV is typically 3 mm thick. A meaningful but very ambitious target would be to develop 1 mm glass for PV applications, whilst still retaining the necessary functionality and manufacturability. For flexible PV in particular, non-rigid, light weight, lower cost and high barrier encapsulant and optical glue materials with lifetimes approaching 40 years would be an optimal but very ambitious long term target. Most of the above project topics are long term in nature and, particularly for glass, will require significant resources from consortium partners such as glass makers to ensure success.

Topics for SOLAR-ERA.NET transnational call CSP1

CSP1.1 Cost reduction and efficiency increase in components:

Innovative actions for cost reduction could be related to low cost structures, low cost reliable joints, new absorber tube manufacturing, new mirrors and other innovations in key components. Mirrors with higher reflectivity, new absorber tubes characteristics, advanced solar receivers and an improvement in the general layout of the plant will maximize the electricity produced, and hence increase the overall efficiency of the system. These efforts not only apply to the project itself but also to O&M routines. For example, new developments in mirror cleaning procedures present an obvious opportunity to increase the production of the plant.

CSP1.2 Dispatchability through storage and hybridisation with conventional or renewable sources:

On one hand, improvements shall be achieved through hybridisation, i.e. biomass firing in auxiliary burners, pilot demonstration on solar/biomass and solar / natural gas or solar integration tests into existing fossil fuelled plants and, on the other hand, through new design storage tanks/systems.

CSP1.3 New fluids for STE plants:

New transfer fluids shall be designed to reduce the freezing point and to increase the maximum temperature without chemical degradation. Besides this, innovation in less environmentally hazardous oils would be a step forward towards more sustainable plants. Also, molten salts for power plants with thermal storage should be improved. To achieve such improvements, research must be carried out not only on the fluids but also on the materials (solar receivers, pipes, pumps, etc.) in contact with the fluid.

3.4 Funding Rules

Within these SOLAR-ERA.NET transnational calls PV1 and CSP1, the funding rules of the national / regional agencies apply. Prior to submitting a preproposal, all project partners seeking funds have to contact their funding agency / contact point.

The level of funding available will be determined by the rules of the relevant funding agency. Information about the specific funding rules and applicable topics will be provided via the person in charge of the respective national / regional agencies (see Table 1). Some relevant information is provided in Section 6 of these guidelines.

Each project partner will receive funds from his / her national or regional agency. No common source of funds (“common pot”) will be provided with respect to these calls.

Each project partner will be responsible for the preparation and submission of all necessary reports required by their funding agency in order to obtain funding in full accordance with national / regional rules.

3.5 Eligibility Issues

Different eligibility aspects have to be considered:

- Eligible consortia shall consist of a minimum of 2 partners (at least one from industry) from 2 different countries (or regions in different countries) participating in the respective SOLAR-ERA.NET transnational call. The project consortia may involve as many partners as necessary.
- Applicants have to fulfil eligibility criteria of their respective national / regional programme / funding organisation.
- Preproposal and full proposal must be recommended by at least 2 funding organisations from at least 2 different countries (or regions in different countries) of the SOLAR-ERA.NET call consortium.
- SMEs, large companies, academic research groups, universities, public research organisations or other research organisations may participate according to their national / regional financing regulations (see section 6 for specific regulations).

The roles of each partner within the consortium should clearly add value to the objectives of the proposed project.

Depending on the nature of the project the consortium must demonstrate how it will exploit (for each partner) the expected results. Projects must demonstrate clear industrial benefit

and present a clear exploitation and market plan during and beyond the funded duration of the project.

National / regional funding rules apply; therefore in some cases only certain topics or types of organisations are eligible (e.g. some programmes fund only industrial but no academic partners or vice versa, basic and/or applied research).

A consortium agreement between the project partners is required for funding (after final funding decision); the principles of the consortium agreement should be clear from the application form.

Further information is available in Sections 4 and 5.

3.6 Confidentiality

Proposals and any information relating to them shall be kept confidential in accordance with the applicable national / regional legislation. Proposals shall not be used for any purpose other than the evaluation of the applications, making funding decisions and monitoring of the project. International experts, which will be invited to evaluate the proposals, are required to sign a confidentiality agreement prior to evaluating proposals.

Successful projects shall have a summary and concise annual reports of their project published on the SOLAR-ERA.NET website. Further details of projects are strictly kept confidential.

3.7 Submission Procedure

The calls are set up as a two-step submission procedure, consisting of a preproposal phase and a full proposal phase. The procedure is explained in detail in Chapter 4. Further information is available with the Electronic Submission System available, at the latest, by end of March 2013.

Table 2: Dates and Deadlines for SOLAR-ERA.NET Transnational Calls PV1 and CSP1

Date	Activities
4 March 2013	Publication of the SOLAR-ERA.NET transnational calls PV1 and CSP1
15 May 2013, 17:00 CET	Submission of preproposals
mid-July 2013	Preproposal feedback to proposers
9 October 2013, 17:00 CET	Submission of full proposals and ev. national / regional funding applications
end 2013 / start 2014	Final funding decisions communicated to proposers
Early 2014	Start of projects funded

3.8 Consortium Agreement

A consortium agreement between the project partners will be required. In order to accelerate the selection and contract offer process, an outline of the consortium agreement should be submitted with the full proposal.

Models for consortium agreements can be obtained from national and regional funding agencies or from the EC IPR Helpdesk: <http://www.ipr-helpdesk.org>

The project proposal must be the foundation for the consortium agreement.

The purpose of the consortium agreement is to clarify the responsibilities of the partners, decision processes inside the project, management of any change of partners, how to exploit and/or commercialise the results (for each partner) and IPR issues.

3.9 Project Budget and Duration

No specific overall limits have been defined on the SOLAR-ERA.NET level but national / regional limits regarding the available funding will apply.

The project duration is limited to a maximum of 36 months.

4. Application and Evaluation Procedure for SOLAR-ERA.NET Projects

The SOLAR-ERA.NET application process will be a 2-step procedure: Preproposal and full proposal.

1. Before submitting a proposal, all project partners must contact their respective national / regional programme funding organisations in order to discuss the project line-up and the funding conditions.
2. A preproposal is mandatory. It has to be submitted by the coordinator through an online application form available at www.solar-era.net within the deadline set.
3. The national / regional organisations will then carry out their eligibility check (and pre-evaluation) based on the preproposal and the respective national / regional funding rules. Applicants will be provided with feedback after the review of their preproposal, including the information on whether or not they are recommended for submitting a full proposal and eventually with recommendations for the full proposals according to the national / regional rules and principles.
4. The preproposal has to be recommended for full proposal submission by the respective funding organisations from at least 2 different countries (or regions in different countries) of the SOLAR-ERA.NET call consortium.
5. The full proposal must be submitted by the project coordinator through an online application form available at www.solar-era.net within the deadline set. Additionally, national / regional funding applications may have to be submitted to funding organisations involved / concerned according to their specific rules (see section 6).
6. A centralised evaluation will be performed by independent international evaluators and the funding organisations concerned, according to the evaluation criteria specified in the call.

7. Based on the result of the international evaluation within SOLAR-ERA.NET, projects will be suggested (or not) for funding by the organisations concerned. In addition, national / regional agencies may do their own evaluation according to their requirements. The national / regional organisations make the final funding decision.

4.1 Preproposal

The preproposal gives an overview on the whole project. It is mandatory and has to be submitted in English by the project coordinator through the online form available at www.solar-era.net.

The eligibility and evaluation criteria are as follows:

At the SOLAR-ERA.NET level:

- Date and time of receipt of preproposal on or before deadline
- Presence of requested SOLAR-ERA.NET preproposal form
- Minimum of 2 partners from 2 different participating countries or regions (Regions must be from different countries.) participating in the SOLAR-ERA.NET transnational call PV1 or CSP1
- Preproposal project is recommended for submission for a full proposal by at least 2 funding organisations concerned from at least 2 different countries (or regions in different countries) of the SOLAR-ERA.NET call consortium

At the national / regional level:

- Programme regulations observed if applicable (e.g. presence of requested national / regional proposal forms, financial viability check)
- Funding budget available
- Assessment of relevance to the national / regional funding programme

After the eligibility check/evaluation of preproposals, project coordinators will be provided with feedback from the SOLAR-ERA.NET call consortium, including the information on whether or not they are recommended for submitting a full proposal and eventually with recommendations for the full proposals according to the national / regional rules and principles. Proposal / project coordinators will inform their partners on SOLAR-ERA.NET decisions.

4.2 Full Proposal and National / Regional Funding Applications

The full proposal is based on the preproposal. Any major changes in terms of partners, objectives and activities, costs and funding have to be explicitly communicated to SOLAR-ERA.NET and to all funding agencies involved.

The full proposal describes the project in more detail and all national project parts. In addition to the full proposal form provided by SOLAR-ERA.NET, the corresponding national / regional funding application form may be requested by the respective funding organisation according to their respective programme rules. To receive funding, the national / regional parts of the

project must fulfil their national / regional criteria. This will create different submission and financing situations for partners from different countries.

The eligibility and evaluation criteria are as follows:

At the SOLAR-ERA.NET level:

- Date and time of receipt of proposal on or before deadline
- Presence of requested SOLAR-ERA.NET full proposal form
- Minimum of 2 partners from 2 different countries or regions (Regions must be from different countries.) participating in the SOLAR-ERA.NET transnational call PV1 or CSP1
- Preproposal was recommended for submission for a full proposal by at least 2 funding organisations from at least 2 different countries (or regions in different countries) of the SOLAR-ERA.NET call consortium.

At the national / regional level:

- Programme regulations observed if applicable (e.g. presence of requested national / regional full proposal forms, financial viability check)
- Funding budget available

The evaluation is carried out on the transnational and – according to the national / regional requirements – partly additionally on the national / regional level. More precisely:

1. Evaluation by independent international experts: The full project proposal is evaluated with regard to i) its potential commercial impact / relevance to industrial and market needs / contribution to the Solar Europe Industry Initiative and added transnational value, ii) scientific and technological excellence and iii) quality and efficiency of the implementation and the management by international experts. (International experts are required to sign a confidentiality agreement prior to undertaking any project evaluations.) The evaluation form is available on www.solar-era.net. The common scientific / technical evaluation is forwarded to the relevant funding agencies. Funding agencies include these scientific / technical evaluations within their national / regional evaluation.
2. Evaluation on the national / regional level: The national / regional agencies (can) do their own evaluation of the respective funding applications, based on the individual merits of the project elements viewed in the context of the proposed transnational project and the roles of the national / regional project partners.
3. Ranking: The Call Committee with representatives from SOLAR-ERA.NET organisations participating in the transnational call and potentially funding projects will rank those proposals which have successfully passed all the participating individual partner agency evaluations and have received a positive evaluation from the international experts.
4. Proposals for funding: The Call Committee with representatives from SOLAR-ERA.NET organisations participating in the transnational call and potentially funding projects will commonly propose the funding of projects to the national / regional agencies.
5. Funding decisions: The national / regional agencies make the final funding decision.

5. Funding and Reporting

5.1 Contract

Funding contracts are dealt with directly between the project partners and their national / regional funding agencies.

5.2 Start and Instalments

Depending on the national / regional regulations, a pre-condition for transferring the first funding instalments might be the existence of a consortium agreement that also includes IPR related issues.

As the national funding contracts may not all become effective at the same time, the project parties i) usually do not receive the instalments and ii) usually are not reviewed / monitored on national / regional level at exactly the same time. However, the SOLAR-ERA.NET consortium will help to minimise these gaps.

5.3 Monitoring

Each project partner will be responsible for the necessary reporting to their funding agency according to national / regional rules in order to obtain and maintain funding during the lifetime of their portion of the project.

Apart from the national / regional project review, the transnational cooperation aspects will be monitored on the SOLAR-ERA.NET level. The project coordinator is responsible in providing concise reporting according to the requirements (publishable summary at project start, yearly concise reporting and final reporting, participation in questionnaires).

Any substantial change in an on-going project must be reported immediately to the involved funding organisations. The project partners should be aware that changes might have effects on funding.

5.4 Dissemination

Project partners are required to refer to SOLAR-ERA.NET in their publications, exhibitions, lectures and press information concerning results of the SOLAR-ERA.NET projects.

To demonstrate the added value of transnational cooperation projects, results from the call shall be disseminated. This process can be tackled via different channels, e.g.:

- Mid-term and high level conferences with relevant stakeholders to inform about the project results.
- Publication of a short outline of funded projects on the SOLAR-ERA.NET and national / regional websites. This information may also be used by SOLAR-ERA.NET for further dissemination. However, further details of projects are strictly kept confidential. They can be published only in agreement with the project partners.
- Press conferences and workshops.

6. Eligible RTD Topics and Activities as well as Specific Requirements

Eligible topics and types of RTD activities (I = Industrial / applied research, E = Experimental development, F = Fundamental / basic research) shown in tables 3 per funding organisation participating in SOLAR-ERA.NET transnational calls PV1 and CSP1.

Table 3a: Eligible topics and RTD activities per funding organisation participating in SOLAR-ERA.NET transnational call PV1 highlighted in green.

Country / Region	Organisation	Topic PV1.1 Innovative processes for inorganic thin-film cells & modules	Topic PV1.2 Dedicated modules for BIPV design and manufacturing	Topic PV1.3 Grid integration & large-scale deployment of PV	Topic PV1.4 High-efficiency PV modules based on next generation c-Si solar cells	Topic PV1.5 Solar glass and encapsulation materials
Austria	FFG	I+E	I+E	I+E	I+E	I+E
Belgium-Flanders	IWT	I	I	I	I	I
Belgium-Wallonia	SPW	I	I	I	I	I
Cyprus	RPF	I+E		I+E		I+E
Denmark	energinet.dk		I + E	I + E		
Finland	TEKES	I+E	I+E	I+E	I+E	I+E
France	ADEME	I+E+F	I+E+F		I+E+F	
Germany	PtJ	I+E	I+E	I+E	I+E	I+E
Netherlands, the*	NL Agency	I+E (+F)	I+E (+F)	I+E (+F)	I+E (+F)	I+E (+F)
Poland	NCBR	I+E+F	I+E+F	I+E+F	I+E+F	I+E+F
Spain	MINECO	I+E+F	I+E+F	I+E+F	I+E+F	I+E+F
Sweden	SWEA	I+E+F	I+E+F	I+E+F	I+E+F	I+E+F
Switzerland	SFOE	I+E	I+E	I+E	I+E	I+E
Turkey	Tübitak	I+E	I+E	I+E	I+E	I+E
UK	TSB	I+E	I+E	I+E	I+E	I+E

* For the Netherlands, participation and specifications are to be clarified in March 2013.

Table 3b: Eligible topics and RTD activities per funding organisation participating in SOLAR-ERA.NET transnational call CSP1 highlighted in green.

Country / Region	Organisation	Topic CSP1.1 Cost reduction and efficiency increase in components	Topic CSP1.2 Dispatchability through storage and hybridisation	Topic CSP1.3 New fluids for STE plants
Belgium-Wallonia	SPW	I	I	
Cyprus	RPF		I+E	
Finland	Tekes	I+E	I+E	I+E
France	ADEME	I+E+F	I+E+F	I+E+F
Germany	PtJ	I+E	I+E	I+E
Poland	NCBR	I+E+F	I+E+F	I+E+F
Spain	MINECO	I+E+F	I+E+F	I+E+F
Sweden	SWEA	I+E+F	I+E+F	I+E+F
Switzerland	SFOE	I+E	I+E	I+E
Turkey	Tübitak	I+E	I+E	I+E

The specific requirements of funding organisations participating in SOLAR-ERA.NET transnational calls PV1 and CSP1 are listed in the tables below.

Austria

Specifications for SOLAR-ERA.NET transnational call PV1, FFG, Austria

Agency	Austrian Promotion Agency (FFG) – Austria
Contact	i) Anita Hipfinger (for call implementation and helpdesk) anita.hipfinger (at) ffg.at, +43 5 7755 5025 ii) Fritz Fahringer (for strategic and general issues) fritz.fahringer (at) bmvit.gv.at iii) Elvira Lutter (for strategic and general issues) elvira.lutter (at) klimafonds.gv.at
Topics	The Agency potentially supports projects in the following topics: <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	The organisations which are eligible for funding and the eligibility criteria for cooperation are listed in the national guidelines (www.ffg.at/SOLARERANET) The national rules on eligible costs for Austrian participants are available from the FFG at www.ffg.at/kostenleitfaden . Universities can claim max. 20% overhead costs as an additional charge to the personnel costs. For further Information (possible Instruments, usual funding rules) please go to www.ffg.at/SOLARERANET
Budget	0,5 million euro (PV1 call only)
Further specification	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; available funding budget vs. requested budget by individual partners; relevance to the call goals.

Belgium-Flanders

Specifications for SOLAR-ERA.NET transnational call PV1, IWT, Flanders, Belgium

Agency	IWT, Flanders Belgium
Contact	Elsie De Clercq, edc (at) iwt.be Sara Van Overmeire, svo (at) iwt.be
Topics	The Agency potentially supports projects in the following topics: <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / Applied research
Eligible applicants	The Agency potentially supports, through its “industrial R&D project” scheme for companies (“SME-scheme” included) all firms, from SMEs to LEs with a Flemish seat. To implement the project, the applicant may also work with other firms (as partner or as subcontractors) and with ROs (outsourcing or as research partner). The basic funding rate of the “industrial R&D project” scheme is 25% for development projects and 40% for research projects. Within the SME scheme the basic funding rate is 25%. Additional support may be granted. Small firms (SEs) may be eligible for an additional 20% and mid-sized firms (ME’s) for an additional 10%. Since the project involves substantial collaboration at the international level, it is eligible for an additional 10%. The total funding percentage cannot exceed 60%.
Budget	1 million euro (PV1 call only)
Further specification	National application forms have to be handed in to IWT at the same deadline as the full proposal phase – download from www.iwt.be

Belgium-Wallonia

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1 with SPW, Wallonia, Belgium

Agency	Service Public de Wallonie (SPW)
Contact	Julie Marlier, julie.marlier (at) spw.wallonie.be, +32 81 33 45 49 (for eligibility issues) Laurence Polain, laurence.polain (at) spw.wallonie.be, +32 81 48 63 42 (for scope)
Topics	<p>The Agency potentially supports projects in the following topics:</p> <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.3 Grid integration and large-scale deployment of PV • PV1.5 Solar glass and encapsulation materials • CSP1.1 Cost reduction and efficiency increase in components • CSP1.2 Dispatchability through storage and hybridisation <p>The Agency does not support projects in the following topic:</p> <ul style="list-style-type: none"> • CSP1.3 New fluids for STE plants
Type of RTD	SPW supports applied research projects
Eligible applicants	<p>SPW potentially supports all private and public applicants, namely:</p> <ul style="list-style-type: none"> • Large Enterprises (40% of total costs) • Small and Medium Enterprises (from 60 to 80% of total costs) • Research Centres (75% of total costs) • Universities (100% of total costs) <p>Eligibility criteria :</p> <ul style="list-style-type: none"> - The project cannot receive double funding; - The budget for the Walloon partners should follow the SPW-DGO6 cost model; - The funding rate will be the maximum allowed by the decree of the 3rd of July 2008; - The beneficiary must have a stable financial situation; - The beneficiary must have Operational offices in the Walloon Region; - The project must add benefit to the regional economy; - All information needed for evaluation should be available; - A Walloon complementary funding request's form must be submitted to the SPW-DGO6 for full proposal.
Budget	0,5 million euro (flexible)
Further specification	<p>Participation of a private company is recommended (ideally 40% of total Walloon budget).</p> <p>National application forms have to be submitted within five working days after the call deadline – download from http://recherche-technologie.wallonie.be/go/era-nets/solar.html.</p> <p>A financial viability check has to be carried out before being recommended for full proposal.</p> <p>Please contact Julie Marlier to receive the SPW-DGO6 cost model.</p>

Cyprus

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1, RPF, Cyprus

Agency	Research Promotion Foundation (RPF), Cyprus
Contact	Leda Skoufari-Themistou, +357 22205040, leda (at) research.org.cy
Topics	All topics of PV1 and CSP1 will be supported.
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	The Research Promotion Foundation potentially supports, through its relevant national call, participation of all companies, from SMEs to multinational corporations with a Cypriot seat. Funding rates can be obtained from relevant national call documents.
Budget	0,2 million euro (covering both PV1 and CSP1 calls)
Further specification	Please refer to the National Call documents (available on RPF webpage http://www.research.org.cy)

Denmark

Specifications for SOLAR-ERA.NET transnational call PV1 with Energinet.dk (ForskEL), Denmark

Agency	Energinet.dk (ForskEL), Denmark
Contact	Jesper Bergholdt Soerensen jbh (at) energinet.dk
Topics	The Agency potentially supports projects in the following topics: <ul style="list-style-type: none"> • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	The Agency potentially supports all private and public applicants, namely: <ul style="list-style-type: none"> • Large Enterprises • Small and Medium Enterprises • Public Research Institutions • Non-Profit-Organisations <p>The maximum rate of support for research organisations is 85% of total costs (for all type of R&D); for SMEs: max. 80% for Industrial research and max. 60% for Experimental Development of total costs; for LE's: max. - 65% for Industrial research and max. 40% for Experimental Development as defines in the EU State-aid rules.</p>
Budget	0,2 million euro
Further specification	National application forms have to be used for the full proposal phase – download from http://www.energinet.dk Rules applying to the ForskEL programme have to be used for Danish partners in the ERA NET call.

Finland

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1 with Tekes, Finland

Agency	Tekes, Finland
Contact	Karin Wikman, karin.wikman (at) tekes.fi Aila Maijanen, alia.maijanen (at) tekes.fi
Topics	Tekes potentially supports projects in the following topics: <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials • CSP1.1 Cost reduction and efficiency increase in components (industry only) • CSP1.2 Dispatchability through storage and hybridisation (industry only) • CSP1.3 New fluids for STE plants (industry only)
Type of RTD	Tekes potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	Tekes potentially supports: <ul style="list-style-type: none"> • SMEs and Large Enterprises • Public Research Institutions The maximum rate of support for research organisations is up to 70% of total costs; for SMEs up to 60% and for large enterprises up to 50% More information on funding rates and funding principles: www.tekes.fi/en -> innovation funding
Budget	> 1 million euro
Further specification	Only consortia under industrial leadership are eligible for funding. Finnish applicants are asked to contact Tekes before submission of the preproposal. National application forms are required at the full proposal stage A financial viability check will be carried out. More information: www.tekes.fi

France

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1 with ADEME, France

Agency	ADEME (France)	
Contact	Yvonnick DURAND (for PV1), yvonnick.durand (at) ademe.fr	Céline COULAUD (for CSP1), celine.coulaud (at) ademe.fr
Topics	<p>The Agency potentially supports projects in the following topics:</p> <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing PV1.4 High-efficiency PV modules based on next generation c-Si solar cells <p>The Agency does not support projects in the following topics:</p> <ul style="list-style-type: none"> • PV1.3 Grid integration and large-scale deployment of PV • PV1.5 Solar glass and encapsulation materials 	<p>The Agency potentially supports projects in the following topics:</p> <ul style="list-style-type: none"> • CSP1.1 Cost reduction and efficiency increase in components • CSP1.2 Dispatchability through storage and hybridisation • CSP1.3 New fluids for STE plants
Type of RTD	<p>The Agency potentially supports all type of RTD, namely:</p> <ul style="list-style-type: none"> • Industrial / applied research • Experimental development • Fundamental / basic research 	
Eligible applicants	<p>The Agency potentially supports all private and public applicants, namely:</p> <ul style="list-style-type: none"> • Large Enterprises • Small and Medium Enterprises • Public Research Institutions • Non-Profit-Organisations <p>More precisely, public research labs and other research organisations (public and private), i.e. organisations which are involved in continuous scientific research or experimental development activity which are legal entities.</p> <p>The maximum rate of support for public research organisations is 100% of total costs (only for Basic Research) and max 65% for industrial research; for SMEs : max. 80% for Industrial research (or applied research) and max. 60% for Experimental Development; for LE's: max. 65% for Industrial research and max 40% for Experimental Development</p>	
Budget	approx. 0,3 million euro (in total over the PV and CSP area)	
Further specification	<p>National application forms have to be used – download from www.agency.country/forms</p> <p>A financial viability check has to be carried out before being recommended for full proposal.</p>	

Germany

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1 with Projektträger Jülich, Germany

Agency	Projektträger Jülich, Germany
Contact	Hermann Bastek, h.bastek (a) fz-juelich.de Martina Davids, m.davids (a) fz-juelich.de
Topics	<p>The Agency potentially supports projects in the following topics:</p> <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials • CSP1.1 Cost reduction and efficiency increase in components • CSP1.2 Dispatchability through storage and hybridisation • CSP1.3 New fluids for STE plants
Type of RTD	<p>The Agency potentially supports the following types of RTD, namely:</p> <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	<p>The Agency potentially supports all private and public applicants, namely:</p> <ul style="list-style-type: none"> • Large Enterprises • Small and Medium Enterprises • Public Research Institutions • Non-Profit-Organisations <p>The maximum rate of support for research organisations is 100% of total costs (for all type of R&D); for SMEs: max. 60% for Industrial research and max. 35% for Experimental Development of total costs; for LE's: max. 50% for Industrial research and max. 25% for Experimental Development</p>
Budget	further information available at Projektträger Jülich (see contact)
Further specification	<p>Only consortia under industrial leadership are eligible for funding.</p> <p>National application forms have to be used for the full proposal phase – download from https://foerderportal.bund.de/easy/</p> <p>A financial viability check has to be carried out before being recommended for full proposal.</p>

Netherlands

Specifications for SOLAR-ERA.NET transnational call PV1, NL Agency, Netherlands
(PV1 call participation and specifications are to be clarified in March 2013)

Agency	NL Agency (Directorate Energy and Climate), Netherlands
Contact	Otto Bernsen, otto.bernsen (at) agentschapnl.nl
Topics	The NL Agency potentially supports projects in the following topics: <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research • Experimental development • Fundamental / basic research
Eligible applicants	The organisations which are eligible for funding and the eligibility criteria for cooperation are listed in the general national guidelines http://wetten.overheid.nl/BWBR0026952/geldigheidsdatum_30-01-2013
Budget	PV1 call participation and specifications are to be clarified in March 2013
Further specification	Currently the Dutch policy on top sectors, and specifically the top sector energy, forms the context of RTD projects and joint calls. In these top sectors there is a special and active role for industry organised in so called innovation contracts. For an update of these innovation contracts and international calls, it is important to follow notifications on the NL Agency website: http://www.agentschapnl.nl/programmas-regelingen/kp7-calls-topsector-energie

Poland

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1, NCBR, Poland

Agency	NCBR, Poland
Contact	Hanna Sroczyńska, hanna.sroczynska (at) ncb.gov.pl, +48 785 661 473
Topics	NCBR potentially supports projects in the following topics: <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials • CSP1.1 Cost reduction and efficiency increase in components • CSP1.2 Dispatchability through storage and hybridisation • CSP1.3 New fluids for STE plants
Type of RTD	NCBR potentially supports all types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research • Experimental development • Fundamental / basic research
Eligible applicants	According to The Act of 30 April 2010 on the National Centre for Research and Development following entities are eligible to apply: <ul style="list-style-type: none"> • Scientific institutions; • Scientific consortia; • Scientific networks; • Centres of science and industry; • Centres of science of the Polish Academy of Sciences; • Entrepreneurs with the status of a research and development centre; • Organisation units with the status of a legal person and the registered office in the territory of the Republic of Poland; • Enterprises conducting R&D activity in other than aforementioned organisational form.
Budget	0,75 million euro (in total for PV and CSP topics)
Further specification	National funding applications must be submitted by Polish project partners to NCBR. All Polish project partners submitting national funding applications are obliged to use the rate of exchange of The European Central Bank dated on the day of opening the call. The maximum rate of support for: <ul style="list-style-type: none"> • research organisations is 100% of total costs (for all type of R&D); • small enterprises: 100% for fundamental research, max. 80% for Industrial research and max. 60% for Experimental development of total costs; • medium enterprises: 100% for fundamental research, max. 75% for Industrial research and max. 50% for Experimental development of total costs; • large enterprises: 100% for fundamental research, max. 65% for Industrial research and max. 40% for Experimental Development of total costs. Overheads cannot account for more than <ul style="list-style-type: none"> • 8% for enterprises, • 15% for private universities and research institutes • 20% for public universities and institutes of the Polish Academy of Sciences of all eligible project costs.

Spain

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1 with MINECO, Spain

Agency	MINECO / Spain
Contact	Severino FALCON, severino.falcon (at) mineco.es José HERRERO, jose.herrero (at) ciemat
Topics	<p>The Agency potentially supports projects in the following topics:</p> <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials • CSP1.1 Cost reduction and efficiency increase in components • CSP1.2 Dispatchability through storage and hybridisation • CSP1.3 New fluids for STE plants
Type of RTD	<p>The Agency potentially supports all type of RTD, namely:</p> <ul style="list-style-type: none"> • Industrial / applied research • Experimental development • Fundamental / basic research
Eligible applicants	<p>MINECO potentially supports all private and public applicants, namely:</p> <ul style="list-style-type: none"> • Large Enterprises • Small and Medium Enterprises • Public Research Institutions • Non-Profit-Organisations <p>More precisely, Public research labs and other research organisations (public and private), i.e. organisations which are involved in continuous scientific research or experimental development activity which are legal entities with a registered seat in Poland.</p> <p>The maximum rate of support for research organisations is 100% of total costs (for all type of R&D); for SMEs: 100% for fundamental research, max. 80% for Industrial research and max. 60% for Experimental Development of total costs; for SMEs: 100% for fundamental research, max. 75% for Industrial research, max. 50% for Experimental Development; for LE's: 100% for fundamental research, max. 65% for Industrial research and max. 40% for Experimental Development</p>
Budget	PENDING (further information at the agency)
Further specification	<p>Spanish funds depend on a national open call.</p> <p>In 2013 no open call is expected to fund potential projects for this ERANET. MINECO and its depending bodies are updating their open call programs. Once the updating is completed, MINECO will confirm the potential support for this ERANET open call and its topics</p>

Sweden

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1 with the Swedish Energy Agency, Sweden

Agency	Swedish Energy Agency (Energimyndigheten)
Contact	Susanne Karlsson, susanne.karlsson (at) swedishenergyagency.se Tobias Walla, tobias.walla (at) swedishenergyagency.se
Topics	The Agency potentially supports projects in the following topics: <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials • CSP1.1 Cost reduction and efficiency increase in components • CSP1.2 Dispatchability through storage and hybridisation • CSP1.3 New fluids for STE plants
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research • Experimental development • Fundamental / basic research
Eligible applicants	The Agency potentially supports all private and public applicants, namely: <ul style="list-style-type: none"> • Large Enterprises • Small and Medium-sized Enterprises • Public Research Institutions • Research organisations • Other types of organisations <p>The maximum rate of support for <i>fundamental research</i> is 100% of total costs; for <i>applied research</i> max. 100% of total costs for non-profit research organisations, max. 85% of total costs for SMEs and or max. 65% of total costs for LEs; for <i>experimental development</i> max. 100% of total costs for non-profit research organisations, max. 60% of total costs for SMEs and max. 40% of total costs for LEs.</p>
Budget	1,4 MEUR
Further specification	The SOLAR-ERA.NET proposal forms can be used for the preproposal stage. National application forms have to be used for in the full proposal phase. Further information can be obtained from the national contact points. Funding of enterprise RTD is subject to Swedish legislations <i>Förordning om statligt stöd till forskning och utveckling samt innovation inom energiområdet</i> (SFS2008:761).

Switzerland

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1 with the Swiss Federal Office of Energy, Switzerland

Agency	Swiss Federal Office of Energy (SFOE)
Contact	Stefan Oberholzer, stefan.oberholzer (at) bfe.admin.ch Stefan Nowak, stefan.nowak (at) netenergy.ch
Topics	The Office (or other agencies) potentially supports projects in the following topics: <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials • CSP1.1 Cost reduction and efficiency increase in components • CSP1.2 Dispatchability through storage and hybridisation • CSP1.3 New fluids for STE plants
Type of RTD	The Office potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	The Office potentially supports all private and public applicants, namely: <ul style="list-style-type: none"> • Large Enterprises • Small and Medium-sized Enterprises • Public Research Institutions • Research organisations • Other types of organisations <p>The maximum rate of support for <i>applied research</i> is max. 100% of total costs for non-profit research organisations, max. 50% of total costs for SMEs and LEs; for <i>experimental development</i> is max. 50% of total costs for non-profit research organisations and max. 50% of total costs for SMEs and for LEs. Details depend on the funding instrument used and can be solicited (see contact).</p>
Budget	Further information available from the Office.
Further specification	The SOLAR-ERA.NET proposal forms can be used for the first stage. Depending on the supporting instrument used, additional information and/or forms may be required. Further information is available at the office.

Turkey

Specifications for SOLAR-ERA.NET transnational calls PV1 and CSP1 with Türkiye Bilimsel ve Teknolojik Araştırma Kurumu, Turkey

Agency	Türkiye Bilimsel ve Teknolojik Araştırma Kurumu, Turkey
Contact	Dr. İsmail Doğan, ismail.dogan (at) tubitak.gov.tr Kaan Karaöz, kaan.karaoz (at) tubitak.gov.tr
Topics	<p>The Agency potentially supports projects in the following topics:</p> <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells • PV1.5 Solar glass and encapsulation materials • CSP1.1 Cost reduction and efficiency increase in components • CSP1.2 Dispatchability through storage and hybridisation • CSP1.3 New fluids for STE plants
Type of RTD	<p>The Agency potentially supports the following types of RTD, namely:</p> <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	<p>The Agency potentially supports all private and public applicants, namely:</p> <ul style="list-style-type: none"> • Large Enterprises • Small and Medium Enterprises • Public Research Institutions (as subcontractors) <p>The maximum and minimum rates of support for large enterprises are 60% and 40% of total costs for industrial research, respectively; rate of support for SMEs is 75% for industrial research.</p>
Budget	2 million euro
Further specification	<p>Only consortia under industrial leadership are eligible for funding.</p> <p>National application forms have to be used for the full proposal phase – download from https://eteydeb.tubitak.gov.tr</p> <p>A financial viability check has to be carried out before being recommended for full proposal.</p>

United Kingdom

Specifications for SOLAR-ERA.NET transnational call PV1 with Technology Strategy Board, United Kingdom

Agency	Technology Strategy Board – United Kingdom
Contact	Christian Inglis, christian.inglis (at) tsb.gov.uk Graham Mobbs, graham.mobbs (at) tsb.gov.uk
Topics	<p>The Agency supports projects in the following topics:</p> <ul style="list-style-type: none"> • PV1.1 Innovative processes for inorganic thin-film cells & modules • PV1.2 Dedicated modules for BIPV design and manufacturing • PV1.3 Grid integration and large-scale deployment of PV • PV1.5 Solar glass and encapsulation materials <p>The Agency does not prioritise the following topic, however if a suitable business led proposal comes in, they could support:</p> <ul style="list-style-type: none"> • PV1.4 High-efficiency PV modules based on next generation c-Si solar cells
Type of RTD	<p>The Agency potentially supports all type of RTD, namely:</p> <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	<p>The Agency potentially supports all private and public applicants, namely:</p> <ul style="list-style-type: none"> • Large Enterprises • Small and Medium Enterprises <p>Up to 50% for Large Enterprises, up to 60% for Small and Medium Enterprises</p>
Budget	approx. 1 million Great Britain Pounds
Further specification	<p>All UK participants must be separate legal entities.</p> <p>Companies must have been trading for at least 12 months and VAT registered and provide evidence they have the resources and finances to undertake the project. Projects led by a UK company must be managed by the lead partner, project management cannot be subcontracted.</p> <p>Companies with fewer than 5 Full Time staff cannot lead a project, unless agreed prior to application with the Technology Strategy Board.</p> <p>Subcontracting is limited to 25% of the UK partner grant.</p> <p>Maximum grant limit is 0,25 million euro per UK partner in any single project.</p> <p>No single company can;</p> <ul style="list-style-type: none"> - receive no more than 0,5 million euro from the UK call budget. - be a partner in no more than 2 applications for funding from the UK call. <p>Applications will be reviewed to identify if there are any obvious reasons for exclusion on the basis of national track record such as the participant having already received funding for the same or a very similar activity.</p> <p>Eligible costs and rules will mirror those used for industrial partners in the Technology Strategy Board C R & D programme.</p>