

SCF Call for Project Proposals - 10th SCF Call:

Deadline 20th December 2018 15:00 CET

Introduction

The 10th SCF call asks for project proposals on a number of priority issues given in this call text – see next page. If a proposal relates to more than one priority issue this could be beneficial.

Furthermore, other projects proposals related to the support of certification, harmonisation and standardisation as well as promotion and quality assurance of solar thermal technology can be handed in.

Total available budget for this call is approx. 110 k€. The indicative budgets given in the table next page reflects the priorities given by the Solar Keymark Network during its 25th meeting on October 23rd–24th, 2018 in advance). The final budget distribution will depend on the relevance and quality of the proposals handed in.

Where and how to deliver proposal

Proposal shall be e-mailed to:

- scf-call@solarheateurope.eu

Please use the template given in latest version of document SCF_N0016 for applications. The template is available for download from the Solar Heat Europe/ESTIF and Solar Keymark websites (file [SCF_N0016R8](#)).

Please notice:

- *Fill in template - max. 4 pages.*
- *The complete proposal (including potential) annexes shall be submitted as ONE PDF file*
- ***The title of the e-mail** shall start with: "SCF-proposal:" followed by the subject number and the acronym of proposal. Example: "SCF-proposal: 1 SCF10-SOLARKEYMARK".*

Deadline

Deadline for handing in proposals by e-mail is 20th December 2018, 15:00 CET (Brussels time).

Evaluation of proposals

The proposals will be evaluated by members of the Solar Certification Fund Steering Group. Rating of proposals will be performed according to Annex A "Rating procedure".

Priority subjects

No	Title of priority issue	Indicative budget k€	Content/Examples of outcomes
1	Rating procedure for thermal stratification in thermal storages. Possibility for future SK certification. Acronym: SCF10-Stratification	10	The procedure was already developed and validated at SPF and is currently mandatory in Switzerland for combi stores. The project shall work on a proposal that would allow this procedure to be generalized and available for open use, including the initiation and drafting of an EN standard.
2	Rating and certification procedure for fire safe inroof collectors. Possibility for future SK certification. Acronym: SCF10-FireSafeInRoofCollectors	20	There are several reports about building fires caused by solar thermal installations (mainly wooden frame inroof installations). Such reports are covering mainly Germany, Switzerland or Austria where inroof is a more common application for aesthetic reasons. The work should address a proposal for fire safety testing (self-ignition). Work shall include drafting an amendment to ISO 9806.
3	Revision of datasheets for online database Acronym: SCF10-DataSheetRevision	15	Revision of all datasheets for the purpose of updating the information available in the new database, applying lessons learned during the development of the new database and an improved upload procedure.
4	Round robin with the Soltherm software Acronym: SCF10-RR-Soltherm	18	Round robin in the scope of the use of Soltherm for EN 12977-2 under Solar Keymark compliance.
5	New/supplementary space heating reference loads Acronym: SCF10-SpaceHeatingLoads	18	Definition of new space heating reference loads including energy net zero energy buildings and low energy existing buildings for use in EN 12977-2 and SolTherm. The work should include the development of a simple one room heat load model.
6	Promotion of Solar Keymark Acronym: SCF10-SK-Promotion	15	Promotion of the Solar Keymark in cooperation with Solar Keymark Communications group.
7	Standardisation of hybrid systems Acronym: SCF10-CEN_Hybrid	10	Preparing for CEN TC312_Standardisation for elaborating hybrid heating system testing draft on CEN/CENELEC project. <i>Note: Hybrid is use of different technologies</i>
8	Assessment of reparability Acronym: SCF10-Reparability	10	Elaboration of a procedure for the assessment of the reparability of solar thermal collectors. Based on initiatives by the European Commission the long-term use of products gets more and more important with regard to the minimization of the overall environmental impact. In this context also the reparability of different kinds of products is an

No	Title of priority issue	Indicative budget k€	Content/Examples of outcomes
			important aspect. Hence, the preparation of a corresponding European framework for the assessment of the reparability of products is already on the way. In order to ensure that we can contribute pro-active to this process (and not only react) it is important that we already have a procedure for the assessment of the reparability of solar thermal collectors available. Should also address recyclability and material use.
9	DHW demand Acronym: SCF10-DHW-DemandI	5	Reference data on climate conditions (colder and warmer) for DHW demand, allowing for the estimation on energy requirements based on existing tapping cycles and identifying inlet temperatures (cold water).
10	DST extension for calculating Q_{nonsol} Acronym: SCF10-DST-Extension-Qnonsol	10	Calculation tool allowing for the calculation of Q_{nonsol} according to SOLICS and mIO. Extension of DST software - question regarding access to source code that allows to do this calculation. Developed (long ago) by Wolfgang Spirkl (In-SITU software). <i>Note: Proposal are only eligible for funding if they include a written statement from Spirkl that they will get the DST source code.</i>
11	SCF-EN 12976 evaluation for Solar Water Heater Acronym: SCF11- EN 12976 evaluation	12	TC 312 WG2 had revised the EN 12976-2 and harmonized it with ErP requirements in the past years. The elaboration of the standard was one important part, but the implementation of the new issues and appropriate evaluation is another important step. As we still use the old "insitu" software, there are several hurdles to take. To harmonize the evaluation procedure under the test laboratories, the proposal shall consist of an initial Training/ Workshop and a final round robin (e.g. on existing test data) to confirm the common evaluation practice. There are no changes in collecting DST test data, so this Round Robin should only focus on evaluation and reporting.
12	Support of Convenors and secretariat of TC 312 Acronym: SCF12-TC312	(max 10 each)	Support (= co-financing) of conveners and secretariat of TC 312
13	Support to Liaison CEN/TC312 officers Acronym: SCF13-LiasTCxxx	(2-4 per officer)	Monitoring developments at CEN TC's, inform those TC's about developments in TC312 and report back to TC312. Budget will depend on activity level.
	Other good ideas Acronym: SCF10-Other		Other good ideas

Note:

As the total amount of the priority subjects listed above exceeds the available budget it might be the case that not project for all priority subjects can be funded, even if the project proposals are of appropriate quality.

Sum for 1 – 11 is 143 k€.

Annex A “Rating procedure”

The evaluators will rate each of the proposals according to a set of pre-given criteria. The rating leads to an average “score” of the proposals, which is the input for the initial ranking which will be discussed during the “ranking meeting” by the evaluators. The rating will be on a scale of 1-10 per criterion. In order to be eligible for funding an average total score (all evaluators) of minimum 6 has to be reached. Furthermore, a minimum score of 6 has to be reached for each criteria. Eligible proposals will be ranked based on their rating and taking into account the overall budget allocated for this SCF call.

The following criteria will apply:

- **Effectiveness:** How adequately does the proposal provide a solution / result in line with the topic in the call.
- **Quality:** How does the evaluator rate the quality of the proposal? Are the objectives, expected outcomes and steps well identified and clearly explained? Does the proposal consider adequate dissemination of main results after the end of the project?
- **Contribution:** Does the proposal clearly addresses the topics mentioned in the call? Does it contribute towards the improvement of the solar thermal sector, (eg. providing input for lobby work, showing new opportunities for the ST sector, create/promote a level playing field, reducing trade barriers or other).
- **Price- performance:** Are the proposed cost in the proposal in balance with the expected output of the project. In case the proposer offers to finance some of the project cost by other means, this should have a positive effect on the rating.
- **Competence and experience of the proposer:** Based on the CV, the company/ proposer’s profile and other sources such as e.g. previous experiences and projects carried out by the proposer the potential and capability of the proposer to carry out activities described in his proposal are assessed.

The applications are rated using the evaluation form below (to be submitted by each evaluator for each proposal).

SCF Evaluation form:

Call subject:	<i>(filled in by the secretariat)</i>		Proposal:	<i>(filled in by the secretariat)</i>	
Proposer:	<i>(filled in by the secretariat)</i>		Amount requested:	<i>(filled in by the secretariat)</i>	
Evaluator:	<i>(filled in by the secretariat)</i>		Other contribution:	<i>(filled in by the secretariat)</i>	
The proposal qualifies:			Yes/no <i>(to be indicated by the evaluator).</i>		
If “no”- please give reason:			<i>(to be indicated by the evaluator).</i>		
Criteria (A)	Weight (B)	Rating scale 1-10 (C)	Weighted Rating (D)	Remarks	
Effectiveness	20 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)	<i>(to be filled in by the evaluator).</i>	
Quality	20 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)		
Contribution	20 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)		
Price-Performance	25 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)		
Competence and experience	15 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)		
TOTAL SCORE:			Σ (D)		