

# SCF Call for Project Proposals

4<sup>th</sup> SCF Call: **Deadline 17<sup>th</sup> December 2012**

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*Jan Erik Nielsen, 4/11 2012*

## **Introduction**

The 4<sup>th</sup> SCF call asks for project proposals on the specific subjects given in this call text. Furthermore other projects related to the support of certification and standardisation as well as promotion of solar thermal technology can be handed in.

The budgets indicated in the tables of priority subjects at the next pages include VAT in case VAT has to be paid by the SCF for the services provided by the specific proposer.

## Priority subjects

No.	Description	Indicative budget k€	Deliverables
1	Co-financing of the extension of IEA SHC Task 43 “Solar Rating and Certification” (with focus on global certification). <b>Acronym: Task43ext</b>	20	E.g. Co-financing of operating agent for an extension period of 1 - 2years.
2	Annual output indicator for solar water heater stores. <b>Acronym: DHW-Store-Indicator</b>	10	Simple methodology for rating hot water stores based on EN 12977-3 test results. Could be e.g. a “store performance factor”
3	Follow-up project on global certification conc. elaborating and implementing a Global Certification scheme for solar collectors <b>Acronym: GlobCert II</b>	20	Draft global certification scheme based on EN/ISO9806, Solar keymark and other certification schemes.
4	Harmonized Solar Keymark surveillance test procedure for EN 12975, -76 and -77 products. Improving Annex A2 to the scheme rules <b>Acronym: SK-AnnexA2</b>	5	Improved Annex A2
5	Harmonized Solar Keymark factory production control procedure for EN 12975, -76 and -77 products. Improving Annex E to the scheme rules <b>Acronym: SK-AnnexE</b>	5	Improved Annex E
6	Quality assurance procedures to assure harmonised of boundary conditions for the long performance prediction for factory made systems and automatic implementation of the performance results in the Solar Keymark data sheets <b>Acronym: SK-12976</b>	15	Exact specification of boundary conditions for EN 12976 performance prediction. Round Robin results. Tool/procedure for automatic generation of data sheet
7	Elaboration of data sheet templates for custom built systems and components acc. to EN 12977 series <b>Acronym: DataSheet-12977</b>	7	Data sheet templates for custom built systems and components (hot water stores, combi-stores , controllers) acc. to EN 12977 series.

No.	Description	Indicative budget k€	Deliverables
8	<p>Organisation and management plus co-financing of a Round Robin Test of a solar water heater store according to EN 12977-3 and performance predictions of a complete solar water heating system according to EN 12977-2. Evaluation of the results by an independent institution. If possible comparison of the results with the QAIST Round Robin Test results of the same system according to EN 12976.</p> <p><b>Acronym: RR-12977</b></p>	30	<p>Round Robin test procedure, test reports from the labs, evaluation report by an independent institute, comparison report of the EN 12977/EN 12976 results, results of a final workshop, Guidelines/procedures for EN 12977-3 tests and EN 12977-2 performance predictions</p>
9	<p>Phase I</p> <p>Elaboration of a benchmark test for system performance calculation tools</p> <p>Global review of existing performance prediction and system rating tools. One main aspect with regard to this review is the simplicity of the tool.</p> <p><b>Acronym: PerfPred-I</b></p>	5-10	<p>Phase I</p> <p>Benchmark test for system performance calculation tools</p> <p>List of performance prediction / rating tools</p> <p>indication strong and weak sides for each one.</p> <p>Decision if development of new tool is needed.</p>
10	<p>Elaboration of flexible scheme rules for interchangeability of collector and system components components like e.g. insulation in collector, valve in system, ....</p> <p><b>Acronym: FlexCert</b></p>	20	<p>Revision/amendment of Solar Keymark concerning flexible certification of collectors and systems with respect to interchangeability of collector and system components.</p>
11	<p>Calculation of the uncertainty of the performance figures of solar collectors and factory made systems based on the results obtained by the QAIST round robin test</p> <p><b>Acronym: Uncert</b></p>	5	<p>Official SK uncertain figures/formulas for collectors and factory made systems</p>
12*	<p>Liaison officers of TC 164, TC 128, TC 228 and TC 371</p> <p><b>Acronym: LiasTCxxx-12</b></p> <p><i>Note: xxx is the number of the corresponding TC</i></p>	5 per officer	<p>Reports to TC 312 and SKN on work/issues in the respective TCs</p>

No.	Description	Indicative budget k€	Deliverables
13*	Development of scheme rules for the certification of absorber coatings related to the upcoming EN12975-3-1 <b>Acronym: AbsCert</b>	5	Including absorber coatings in the Solar Keymark scheme rules (making Solar Keymark for absorber coatings available)
14*	Measures to harmonise the qualification requirements for inspectors and test labs <b>Acronym: HarmReq</b>	7	Harmonised requirements for test labs and inspectors
15*	Revision of specification for requirements for installers and user manuals in EN 12976 and EN 12977 <b>Acronym: InstReq</b>	5	Clarification and harmonization of the requirements - and where to put these requirements (in ENs or in certification scheme)
16	Preparing to meet the requirements of Ecodesign Energy Labelling with respect to testing.	7	Document describing the specifications needed, additions to the standards (e.g. reference conditions), the possible roles of SK and common reporting formats.
17	Preliminary work program reflecting the mandates M480 (EPD) and M495 (Ecodesign) for discussion within TC312.	15	Document describing the issue, the required procedures, the required actions from TC312 and a timetable.
18	Administration of SCF <ul style="list-style-type: none"> <li>• administrative secretariat</li> <li>• technical secretary</li> </ul> <b>Acronym: SCF-Sec12</b>	9	Well operated SCF administration. 1-2 calls organised and managed per year
	Any other good and relevant ideas Acronym: to be determined by proposer	-	(basis provided for) improved standards and certification schemes

\* Priorities taken over from 3<sup>rd</sup> call

## Deadline

Deadline for proposals is 17<sup>th</sup> December 2012, 15:00.

## Where and how to deliver proposal

Proposal shall be e-mailed to:

- [scf-call@estif.org](mailto:scf-call@estif.org)

The title of the e-mail shall start with: "SCF-proposal:" followed by short title (preferably an acronym) of proposal.

Proposal shall be presented according to the template shown in Annex A "SCF application Template" to this document.

## 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 B "Rating procedure".

*4/11 2012, SCF Steering Group*

Contact: [scf-call@estif.org](mailto:scf-call@estif.org)

## **Annex A “SCF Application Template”**

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Use the template given at the next 2 pages for applications.

Please notice:

- *Fill in template - max. 3 pages*
- *The complete proposal (including potential) annexes shall be submitted as ONE PDF file*
- *Proposal shall be e-mailed to:*  
[scf-call@estif.org](mailto:scf-call@estif.org)
- ***The title of the e-mail** shall start with: “SCF-proposal:” followed by the subject number and the acronym of proposal.*

# SCF application to Call No. 4

**SCF Call deadline:** *17<sup>th</sup> December 2012, 15:00*

*Specify the exact SCF Call by stating the date of the deadline of the Call*

**Title and acronym of project:**

*Please give title of project proposal followed by an acronym in () as mentioned in the call text (in case the proposal is related to a specific topic mentioned in the call. If not, use your own wording)*

**Applicant(s):**

*List the participants (name of institution/company) in the project proposal. Give contact persons and contact details (address, e-mail and phone number) for all participants. Give VAT registration number for responsible coordinator (participant No 1). Please note that responsible coordinator will be in charge of the communication with the SCF Secretariat and for the due administrative procedures, including payments and reporting.*

Participant number	Institution/company	Contact person	Address	e-mail	Phone number	Comment
1						Coordinator
2						
3						
VAT number (coordinator only):						

**Objectives:**

*Indicate aim of project*

*Identify impact on structural market development (what will the project do/give to the market)*

**Target groups:**

*Who will benefit from the project outcomes*

**Relation to certification / standardisation / quality assurance in general / other :**

*Describe how the project relates to any or several of these topics*

**Work plan:**

*Describe the work to be done - work can be grouped in several work packages*

**Deliverables and results:**

*List the actual deliverables*

**Budget:**

Please list resources needed / hours / hardware / software / travels / other (budget in hours and EUR - and per participant) - and specify the funding requested from SCF - use table below:

Partic.	Hardware & software	Travel costs	Other expenses*	Staff (person-hours)	Total staff costs	Total	Funding requested from SCF	Other financing **
Unit	EUR	EUR	EUR	Hours	EUR	EUR	EUR	EUR
1								
2								
3								
TOTAL								

*\*) Please specify "Other expenses": (e.g. subcontracting, print of brochures..)*

*\*\*\*) Please specify "Other financing": (e.g. self financing, other source of financing, ...); in case of other source of financing please attach draft agreement with this source (to be signed before final approval of the application)*

**Comments/Clarifications regarding the budget:**

Provide clarification or detail on the budget items described above, if deemed necessary.

**Time schedule:**

Indicate the duration of project.

If possible and convenient indicate also phases and milestones (consider the need for quarterly updates to be provided to the SCF).

**Date:**

Give date of application

**Annexes:**

Indicate list of annexes attached - could be:

- CVs: (max. 1 page each)
- company / proposer's profile including list of references: Max. 3 project references
- List of publications: Max 3 publications

**Note on filename & format:**

The complete proposal (including the annexes) has to be submitted by email as ONE PDF File. Syntax filename: AcronymProposal\_AcronymProposer.PDF



## Annex B “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 chosen taking into account the overall budget allocated for this SCF call.

The following criteria will apply:

- **Effectiveness:** In how far does the proposal provide a solution / result on the requested topic in the call.
- **Quality:** How does the evaluator rate the quality of the proposal?
- **Contribution:** does the proposal either clearly addresses the topics mentioned in the call and/or contribute towards the professionalization of the solar thermal sector, like providing input for lobby work, showing new opportunities for the ST sector, create/promote a level playing field, reducing trade barriers.
- **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).

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	
<b>Effectiveness</b>	20 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)	<i>(to be filled in by the evaluator).</i>	
<b>Quality</b>	20 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)		
<b>Contribution</b>	20 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)		
<b>Price-Performance</b>	25 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)		
<b>Competence and experience</b>	15 %	<i>(to be filled in by the evaluator).</i>	(B)x(C)		
<b>TOTAL SCORE:</b>			Σ (D)		