

PROJECT TITLE

SOLAR-ERA.NET Eighth Joint Call Preproposal Template

TOPIC

A. Advanced industrial PV technologies

SUBTOPIC

A3. Advanced thin film technologies, in particular copper indium gallium diselenide (CIGS), A5. Manufacturing issues and next generation processing equipment for advanced solar cells, A7. PV module encapsulation technologies and equipment, A9. Industry 4.0 (“smart factory”) approaches to advanced PV manufacturing

PROJECT DURATION

36 Months (10 / 2022 to 09 / 2025)

TOTAL REQUESTED FUNDING

925.075 €

TOTAL COSTS

1.275.075 €

CONSORTIUM

P 1	Mrs Partner1 First name Partner1 Family name Partner1 Organisation/Institution/Company Partner1 Department	Partner1 Street, no. , Partner1 P.O. box , Partner1 Zip/postal code Partner1 Town/city Belgium	k.chakanga@fz-juelich.de Tel.: 0032 1234 Mobile: 0032 1234 Fax: 0032 1234 http://www.solar-era.net/
P 2	Mr Partner2 First name Partner2 Family name Partner2 Organisation/Institution/Company Partner2	Partner2 Street, no. , Partner2, Partner2 Zip/postal code Partner2 Germany-Ptj	k.chakanga@fz-juelich.de Tel.: 0049 1234 Mobile: 0049 1234 Fax: 0049 1234 http://www.solar-era.net/
P 3	Mrs Partner3 First name Partner3 Family name Partner3 Organisation/Institution/Company Partner3 Department	Partner3 Street, no., Partner3 , Partner3 Zip/postal code Partner3 Town/city Spain-AEI	k.chakanga@fz-juelich.de Tel.: 0032 1234 Mobile: 0032 1234 Fax: 0032 1234 http://www.solar-era.net/

PROJECT KEYWORDS

Supplementary keywords

solar, eranet, call8

A. PROJECT SUMMARY

Please enter a short summary of your project here.

You have the opportunity to upload up to 4 images in sections A to E. All pictures need to be uploaded in section "image upload". To insert them, you enter the place marker "[[figureX]]" into your text (where the image should appear). By replacing the X with the number of the image you create the link to the image.

For example (Figure 1) is uploaded under images exist and can therefore be referenced here with the command



Max file size: 600px x 600px, 2MByte Allowed formats are jpg, png or gif

This information is required for submission. Max. 2000 characters

B. OBJECTIVES AND TARGETS

Scientific, technological and commercial objectives and challenge.

Give evidence relating to the scientific, technological and commercial objectives and challenges of the project, outlining:

- Overall aims and objectives of the projects,
- Key Performance Indicators (see SET-Plan and related Implementation for PV) and relevant targets to be achieved in the project.
- Scientific, technical and commercial challenges

This information is required for submission.

You have a maximum of 5.000 characters.

C. EXPECTED RESULTS

Innovation or innovation potential, economic and environmental benefit, commercialization, major advantages / progress versus state of the art thanks to the project proposed, progress with respect to Technology Readiness Level (TRL) from start to end of project (according Horizon2020 terms), contribution to achieving the objectives of the SET-Plan.

D. TECHNOLOGY READINESS LEVEL (TRL)

Give the TRL at the beginning and at the end of the project.

max. 100 characters

E. DESCRIPTION OF PARTNERS

Give a short description of all partners involved and their role in the project:

Founding year

Number of employees

Turnover in million Euros (MEUR) p.a.

Qualification related to the project

Role in the Project

Additional information (optional)

This information is required for submission. You have an overall maximum of 2.000 characters.

F. OUTLINE OF WORK PLAN

Please elaborate the work plan of the project, for example

The project is structured into 6 work packages (WP) and coordinated in WP1. First, the individual processes for passivating (WP2), metallization (WP3) and active light absorption layers (WP4) are to be developed and then integrated into a solar cell process (WP5). Finally, the optimized solar cell process is to be integrated into module production (WP6).

G. TRANSNATIONAL AND ADDED VALUE (TAV)

Clear definition and value for both each national / regional subproject and added value through transnational cooperation for the whole project.

This information is required for Submission.

You have a maximum of 3.000 characters.

H. IMPACT OF PROJECT

The expected impact of the project on the different levels such as

- Expected contribution to the reduction in the cost of PV power, life-cycle environmental impact and other relevant Key Performance Indicators
- Expected impact on Work Programme objectives
- Expected ability of the project to enhance innovation capacity and integration of new knowledge in the European solar power industry
- Future market deployment potential of the proposed innovation
- Project's ability to strengthen the competitiveness and growth of European companies by developing innovations that meet the needs of European and global solar power markets and, where relevant, deliver these innovations to the market;

I. RISKS AND MITIGATION MEASURES

Risks and mitigation measures

J. SIMILAR PROPOSALS IN OTHER FUNDING SCHEMES

To be completed only if similar proposals have been admitted/funded in other schemes.

Please elaborate on the similarities and differences between the projects.

Max. 1500 characters

PROJECT FINANCE COMMENTS

Partner 1 (Consortium Coordinator): Partner1
Organisation/Institution/Company

FINANCE COMMENTS

Personnel	For all Finance Comments: Brief Description (max. 1000 characters) Put number of person-months and average monthly salary (incl. social expenses) in "Description". Overhead: To be specified according to the national / regional rules (some do not ask for separate overhead costs as they are part of personnel costs). Further information can be found in the Guidelines for Proposers under "Annex – National and Regional Requirements" and / or obtained from the respective contact Points.
Travel	Travel & subsistence costs according to national / regional rules. max. 1000 characters
Consumables / Equipment	Describe the equipment needed specifically for the project and the materials to be procured specifically for the project. Example equipment: measurement device xy, required for doing special analysis, overall costs of 80.000 €. max. 1000 characters
Subcontracts	Describe the sub-contract for the task that cannot be carried out by the project consortium and its particular relevance for the project. max. 1000 characters
Other	E.g. conference fees for dissemination activities specifically related to the project. max. 1000 characters

REGISTRATION/VAT NUMBER ACCORDING TO NATIONAL/REGIONAL REQUIREMENTS

Registration/VAT

Partner 2: Partner2 Organisation/Institution/Company

FINANCE COMMENTS

Personnel	See comments under information of coordinator
Travel	See comments under information of coordinator
Consumables / Equipment	See comments under information of coordinator
Subcontracts	See comments under information of coordinator
Other	See comments under information of coordinator

REGISTRATION/VAT NUMBER ACCORDING TO NATIONAL/REGIONAL REQUIREMENTS

Registration/VAT

Partner 3: Partner3 Organisation/Institution/Company

FINANCE COMMENTS

Personnel	See comments under information of coordinator
Travel	See comments under information of coordinator
Consumables / Equipment	See comments under information of coordinator
Subcontracts	See comments under information of coordinator

Other	See comments under information of coordinator
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REGISTRATION/VAT NUMBER ACCORDING TO NATIONAL/REGIONAL REQUIREMENTS

Registration/VAT

PROJECT FINANCES

Requested funding

Organisation name	Personnel	Travel	Consumables / Equipment	Subcontracts	Other	Requested Funding	Total Own Contribution	Total Costs
Partner1 Organisation/Institution/Company	550000	2	2	2	4	560010	200000	760010
Overhead	10000							
Partner2 Organisation/Institution/Company	230000	1	4		50	235055	100000	335055
Overhead	5000							
Partner3 Organisation/Institution/Company	130000		5		5	130010	50000	180010
Overhead								
TOTAL	925000	3	11	2	59	925075	350000	1275075

Own contribution

Organisation name	Personnel	Travel	Consumables / Equipment	Subcontracts	Other	Total Own Contribution
Partner1 Organisation/Institution/Company	200000					200000
Partner2 Organisation/Institution/Company	100000					100000
Partner3 Organisation/Institution/Company	50000					50000
TOTAL	350000	0	0	0	0	350000