

**PROJECT TITLE**

csp call2 pp template

**TOPIC**

1. Advanced linear concentrator Fresnel technology with direct molten salt circulation

**SUBTOPIC**

1.1. Testing and evaluating critical plant components (reliability of standard components), 1.2. Develop plant engineering, for full operation control in clear skies and variable solar radiation days, start-up and shutdown operation, night time freezing protection, including drain-down gravity assisted strategies

**PROJECT DURATION**

36 Months ( 09 / 2021 to 08 / 2024 )

**TOTAL REQUESTED FUNDING**

778230 €

**TOTAL COSTS**

1002271 €

**CONSORTIUM**

P 1	Prof. Partner1 New FamilyName Organisation/Institution/Company Department	New Street, no. , P.O. box (if applicable), New Partner1 Zip/postal code New Town/city Turkey-TUBITAK	r.horbelt@fz-juelich.de Tel.: 0032 123456789 Mobile: 0032 123456789 Fax: 0032 123456789 http://www.csp-eranet.eu
P 2	Mrs. Partner2 FamilyName Organisation/Institution/Company Department	Street, no., P.O. box (if applicable), Zip/postal code Town/city Germany-Ptj	ptj-csp-eranet-ess@fz-juelich.de Tel.: 0049 12345 Mobile: 0049 1234 Fax: 0049 1234 http://www.csp-eranet.eu
P 3	Mr. Partner3 FamilyName Organisation/Institution/Company Department	Street, no., P.O. box (if applicable), Zip/postal code Town/city Spain-CDTI	ptj-csp-eranet-ess@fz-juelich.de Tel.: 0034 12345 Mobile: 0034 1234 Fax: 0034 1234

**CONSORTIUM (ASSOCIATED)**

P 4	Mrs. Associated1 Associated1 FamilyName Associated1 Organisation/Institution/Company Associated1 Department	Associated1 Street, no., Associated1 P.O. box (if applicable) , Associated1 Zip/postal code Associated1 Town/city Associated1 New Zealand	ptj-csp-eranet-ess@fz-juelich.de Tel.: 0041 12345 Mobile: 0041 1234 Fax: 0041 1234 http://www.csp-eranet.eu
P 5	Prof. Associated2 Associated2 FamilyName Associated2 Organisation/Institution/Company Associated2 Department	Associated2 Street, no., Associated2 P.O. box (if applicable), Associated2 Zip/postal code Associated2 Town/city Israel_MoE	ptj-csp-eranet-ess@fz-juelich.de Tel.: 0049 12345 Mobile: 0049 1234 Fax: 0049 1234 http://www.csp-eranet.eu

## KEYWORDS

Supplementary keywords

csp, eranet, additional

## A. PUBLISHABLE PROJECT SUMMARY

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.**

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

### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## B. OBJECTIVES AND TARGETS

\* modified \*

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 CSP / STE) 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 5000 characters.

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dfkasdjfkösda fjskadfj

fksdfjksdfjsakdfjskdal

### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

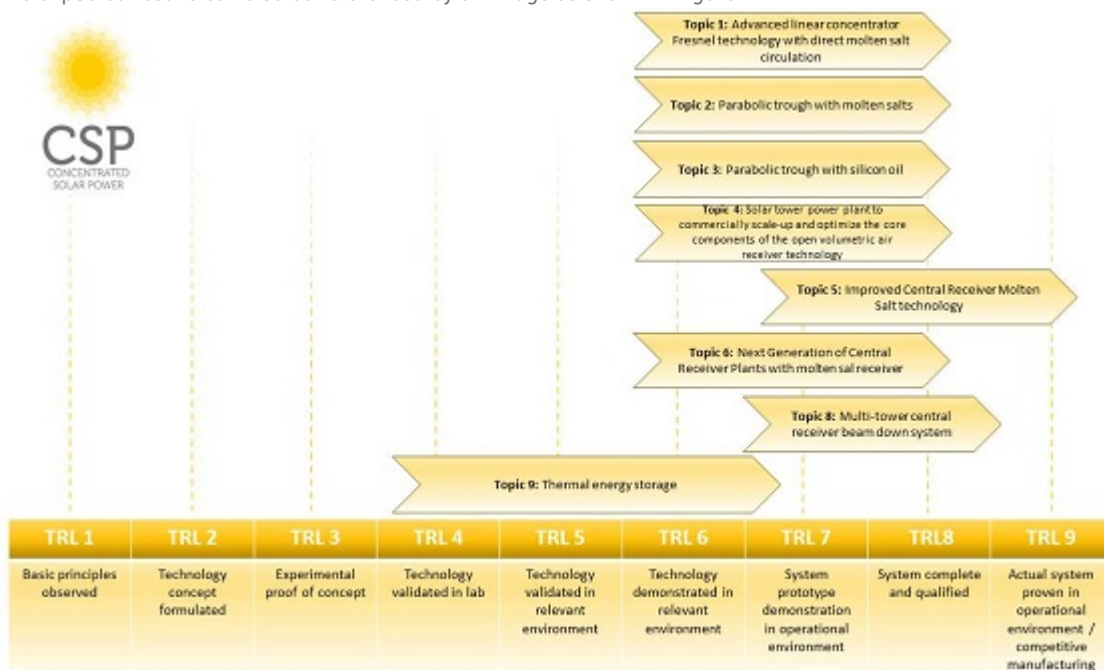
## C. EXPECTED RESULTS

\* modified \*

Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.

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 to Horizon2020 terms), contribution to achieving the objectives of the SET-Plan.

The expected results can also be referenced by an image as shown in Figure 2:



This information is required for submission. You have a maximum of 10000 characters

### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## D. TECHNOLOGY READINESS LEVEL (TRL)

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.**

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

This information is required for submission.

You have a maximum of max. 100 characters

### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## E. DESCRIPTION OF PARTNERS

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.**

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

Name of the principal investigator (PI) of the project partner

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.

Max. 5000 characters

### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## F. OUTLINE OF WORK PLAN

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination 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 components for the collector (WP2), receiver (WP3) and tower (WP4) are to be evaluated and integrated into the concentrated solar power system (WP5). Finally, the optimized CSP power plant is to be evaluated and validated (WP6).

This information is required for submission.

You have a maximum of max. 5000 characters

### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## G. WORK PACKAGES

### Table of Work Packages + Tasks

WP	Task	Start Month	End Month	WP / Task Title
1		3	24	Test
	1.1	3	24	T1.1

WP/Task No.	WP Objectives + Description / Task Description	Partner (strong = Teamleader)	Person Month(s) (strong = Teamleader)
WP1	<p><b>Objectives:</b></p> <p>Please give your main objectives for this work package in max. 1000 characters.</p> <p><b>Description:</b></p> <p>Describe your main objectives for this work package in max. 1000 characters</p>	P1, P2, P3, P4, P5	8, 3, 5, 9, 4
T1.1	<p><b>Description:</b></p> <p>Please describe task number 1. In the following section, please give (1) the start and end project month, (2) person months per partner, involved in this project and state the project leader. Please note, that the person months can only be given in whole number (i.e. without decimals).</p> <p>You have a maximum of 1500 characters.</p>	P1, P2, P3, P4, P5	8, 3, 5, 9, 4

### Table of Milestones

Milestone No.	Month	Milestone Title + Description
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### Table of Deliverables

Deliverable No.	Month	Deliverable Title + Description
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# GANTT CHART

Name	Months	Duration	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Work package 1	Months 03 - 24	22 Months	[Red bar representing 22 months]																					
Task 1.1	Months 03 - 24	22 Months	[Green bar representing 22 months]																					

## H. TRANSNATIONAL AND ADDED VALUE (TAV)

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.**

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 max. 3000 characters

### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## I. IMPACT OF PROJECT

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.**

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

- Expected contribution to the reduction in the cost of CSP power, life-cycle environmental impact and other relevant Key Performance Indicators
- Expected impact on Work Programme (SC3-JA-1) 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

This information is required for submission.

You have a maximum of max. 10000 characters

### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## J. RISK AND MITIGATION MEASURES

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.**

Please identify and describe the risks and mitigation measures taken for the project.

This information is required for submission.

You have a maximum of max. 2000 characters

#### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## K. SIMILAR PROPOSALS IN OTHER FUNDING SCHEMES

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.**

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

Please elaborate on the similarities and differences between the projects.

You have a maximum of max. 1500 characters

#### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.

## L. STATUS OF CONSORTIUM AGREEMENT

\* modified \*

**Please note, that the following information is automatically transferred from the full-proposal phase and does not have to be edited for the dissemination plan.**

Please give a brief comment to the actual state of the consortium agreement. Include whether the consortium agreement is at the initial or final draft stage or in the process of being signed. Give an indication as to the expected date of agreement signature.

This information is required for submission.

You have a maximum of 1,000 characters.

#### COMMENT ON CHANGES

You have the possibility to comment on changes. Please use the button "comment on changes" on the upper right side.



## M. ADDITIONAL INFORMATION

Test additional Information

## OTHER ACTIVITIES

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

### **Other Dissemination**

# FINANCES

## Requested funding

Organisation name	Personnel	Travel	Consumables / Equipment	Subcontracts	Other	Requested Funding	Total Own Contribution	Total Costs																																																																		
Organisation/Institution/Company	550000	2000	2000	55425	4000	623425	200000	823425																																																																		
Overhead	10000	0	0	0	0				Organisation/Institution/Company	75000	6805	60000	2000	3500	154805	24041	178846	Overhead	7500	0	0	0	0	Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	Associated1 Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	Associated2 Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	TOTAL	642500	8805	62000	57425	7500
Organisation/Institution/Company	75000	6805	60000	2000	3500	154805	24041	178846																																																																		
Overhead	7500	0	0	0	0				Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	Associated1 Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	Associated2 Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	TOTAL	642500	8805	62000	57425	7500	778230	224041	1002271												
Organisation/Institution/Company	0	0	0	0	0	0	0	0																																																																		
Overhead	0	0	0	0	0				Associated1 Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	Associated2 Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	TOTAL	642500	8805	62000	57425	7500	778230	224041	1002271																											
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Overhead	0	0	0	0	0				Associated2 Organisation/Institution/Company	0	0	0	0	0	0	0	0	Overhead	0	0	0	0	0	TOTAL	642500	8805	62000	57425	7500	778230	224041	1002271																																										
Associated2 Organisation/Institution/Company	0	0	0	0	0	0	0	0																																																																		
Overhead	0	0	0	0	0				TOTAL	642500	8805	62000	57425	7500	778230	224041	1002271																																																									
TOTAL	642500	8805	62000	57425	7500	778230	224041	1002271																																																																		

Own contribution

Organisation name	Personnel	Travel	Consumables / Equipment	Subcontracts	Other	Total Own Contribution
Organisation/Institution/Company	200000	0	0	0	0	200000
Organisation/Institution/Company	12000	1000	5000	3000	3041	24041
Organisation/Institution/Company	0	0	0	0	0	0
Associated1 Organisation/Institution/Company	0	0	0	0	0	0
Associated2 Organisation/Institution/Company	0	0	0	0	0	0
TOTAL	212000	1000	5000	3000	3041	224041

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

\* modified \*

**FINANCE COMMENTS**

<b>Personnel</b>	For all Finance Comments: Put number of person-months and average monthly salary (including 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. You have a maximum of max. 1000 characters
<b>Travel</b>	Travel & subsistence costs according to national / regional rules. You have a maximum of max. 1000 characters
<b>Consumables / Equipment</b>	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 €. You have a maximum of max. 1000 characters
<b>Subcontracts</b>	Describe the sub-contract for the task that cannot be carried out by the project consortium and its particular relevance for the project. You have a maximum of max. 1000 characters
<b>Other</b>	E.g. conference fees for dissemination activities specifically related to the project. You have a maximum of max. 1000 characters

**ADDITIONAL INFORMATION**

Additional information

**ADDITIONAL FIELDS**

<b>Registration/VAT7 PIC number</b>	Registration/VAT7
<b>Confirm that the information given in this document is correct.</b>	yes
<b>Confirm that the document is endorsed by all project partners.</b>	yes
<b>Confirm that all partners have confirmed and agreed to the submission of this document.</b>	yes
<b>Additional Text</b>	

**COMMENT ON CHANGES (PARTNER DATA ONLY)**

Transfer from one company to another one

Partner 2: Organisation/Institution/Company

\* modified \*

**FINANCE COMMENTS**

<b>Personnel</b>	
<b>Travel</b>	

<b>Consumables / Equipment</b>	
<b>Subcontracts</b>	
<b>Other</b>	

### ADDITIONAL INFORMATION

Additional information

### ADDITIONAL FIELDS

<b>Registration/VAT7 PIC number</b>	
<b>Confirm that the information given in this document is correct.</b>	yes
<b>Additional Text</b>	

### COMMENT ON CHANGES (PARTNER DATA ONLY)

Confirm report

I declare that I read the content of the report drafted by the coordinator. I further declare that the content, and particularly regarding the status of the consortium agreement in the report is correct and hereby consent to the submission of the report.

Partner 3: Organisation/Institution/Company

\* modified \*

### FINANCE COMMENTS

<b>Personnel</b>	
<b>Travel</b>	
<b>Consumables / Equipment</b>	
<b>Subcontracts</b>	
<b>Other</b>	

### ADDITIONAL INFORMATION

Additional information

### ADDITIONAL FIELDS

<b>Registration/VAT7 PIC number</b>	
<b>Confirm that the information given in this document is correct.</b>	yes
<b>Additional Text</b>	

## COMMENT ON CHANGES (PARTNER DATA ONLY)

Confirm report

I declare that I read the content of the report drafted by the coordinator. I further declare that the content, and particularly regarding the status of the consortium agreement in the report is correct and hereby consent to the submission of the report.

Partner 4: Associated1 Organisation/Institution/Company

\* modified \*

### FINANCE COMMENTS

<b>Personnel</b>	
<b>Travel</b>	
<b>Consumables / Equipment</b>	
<b>Subcontracts</b>	
<b>Other</b>	

### ADDITIONAL INFORMATION

Additional information

### ADDITIONAL FIELDS

<b>Registration/VAT7 PIC number</b>	Registration/VAT7
<b>Confirm that the information given in this document is correct.</b>	yes
<b>Additional Text</b>	

## COMMENT ON CHANGES (PARTNER DATA ONLY)

Confirm report

I declare that I read the content of the report drafted by the coordinator. I further declare that the content, and particularly regarding the status of the consortium agreement in the report is correct and hereby consent to the submission of the report.

Partner 5: Associated2 Organisation/Institution/Company

\* modified \*

### FINANCE COMMENTS

<b>Personnel</b>	
<b>Travel</b>	
<b>Consumables / Equipment</b>	
<b>Subcontracts</b>	
<b>Other</b>	

## ADDITIONAL INFORMATION

Additional information

## ADDITIONAL FIELDS

Registration/VAT7 PIC number	
Confirm that the information given in this document is correct.	yes
Additional Text	

## COMMENT ON CHANGES (PARTNER DATA ONLY)

Confirm report

I declare that I read the content of the report drafted by the coordinator. I further declare that the content, and particularly regarding the status of the consortium agreement in the report is correct and hereby consent to the submission of the report.

## PUBLICATIONS

## SURVEY

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

**Have there been any changes in the consortium composition, i.e. work progress, expenses (vs. budget) or other issues compared to status given in the granted full proposal? If option b) or c) is selected, please comment on the issues, remedies and consequences, respectively.**

- a) No changes
- c) Substantial changes

Have there been any changes in the consortium composition, i.e. work progress, expenses (vs. budget) or other issues compared to status given in the granted full proposal? If option b) or c) is selected, please comment on the issues, remedies and consequences, respectively.

You have a maximum of 2000 characters.

**Experience in working together within the consortium. If option b) or c) is selected please give some additional information on the collaboration undertaken so far.**

- a) Working together for the first time

Experience in working together within the consortium. If option b) or c) is selected please give some additional information on the collaboration undertaken so far.

You have a maximum of 2000 characters.

**Are there new collaborations outside the consortium during the lifetime of the project, due to project results (e.g. with other project partners)? Please indicate the number and give some additional information about the collaborations.**

No

Are there new collaborations outside the consortium during the lifetime of the project, due to project results (e.g. with other project partners)? Please indicate the number and give some additional information about the collaborations.

You have a maximum of 2000 characters.

**Preparation of applications to other calls by the consortium due to CSP funded project results. Please comment on the preparation of applications.**

No

Preparation of applications to other calls by the consortium due to CSP funded project results. Please comment on the preparation of applications.

You have a maximum of 2000 characters.

**Are there young researchers (max. age 35 years) included in the teams? If option a) or b) is selected, please give some additional information on the number of young researchers involved and their role in the teams.**

b) Yes, Post-docs are included.

Are there young researchers (max. age 35 years) included in the teams? If option a) or b) is selected, please give some additional information on the number of young researchers involved and their role in the teams.

You have a maximum of 2000 characters.

**Are there female researchers included in the teams? Please comment on the number of female researchers involved and their role in the teams.**

Yes

Are there female researchers included in the teams? Please comment on the number of female researchers involved and their role in the teams.

You have a maximum of 2000 characters.

**Are there new contracts/fellowships for researchers? Please indicate the number of new contracts.**

No

Are there new contracts/fellowships for researchers? Please indicate the number of new contracts.

You have a maximum of 2000 characters.

**Participation in conferences / workshops and other international scientific events. If option a) or b) is selected please indicate the number and type of events team members have participated in.**

b) Yes, as presenter.

Participation in conferences / workshops and other international scientific events. If option a) or b) is selected please indicate the number and type of events team members have participated in.

You have a maximum of 2000 characters.

**Participation in project internal meetings (telecon- or videoconferences etc.). Please give some further comments to the meetings.**

b) Biannual

Participation in project internal meetings (telecon- or videoconferences etc.). Please give some further comments to the meetings.

You have a maximum of 2000 characters.

**Has there been a development of a method, a process, a product or a service within the project? Please comment on the expected timeframe for commercialization of the results. How has it progressed throughout the project of applications?**

No

Has there been a development of a method, a process, a product or a service within the project? Please comment on the expected timeframe for commercialization of the results. How has it progressed throughout the project of applications?



You have a maximum of 2000 characters.

**Will the project lead to launching one of the following into the market?**

b) New process

**Does the project include the following activities? If so, how many of each?**

b) Testing activities (feasibility/demo)

Does the project include the following activities? If so, how many of each?

You have a maximum of 2000 characters.

**Patent applications/license in the period under report. Please comment on the title and number of the application/license, the name of the applicant and name of inventor.**

Yes

Patent applications/license in the period under report. Please comment on the title and number of the application/license, the name of the applicant and name of inventor.

You have a maximum of 2000 characters.

**Have private companies in your project introduced or are planning to introduce innovations (within the project lifetime or 3 years thereafter) If option a) or b) is chosen please indicate the number of companies and indicate if SMEs are involved.**

a) to the market.

Have private companies in your project introduced or are planning to introduce innovations (within the project lifetime or 3 years thereafter) If option a) or b) is chosen please indicate the number of companies and indicate if SMEs are involved.

You have a maximum of 2000 characters.

**Please give a comment if there are other projects specific results, targets and achievements with technological, economic, environmental or other indicators (e.g. GhG emissions decrease, material use or savings, LCOE etc).**

Please give a comment if there are other projects specific results, targets and achievements with technological, economic, environmental or other indicators (e.g. GhG emissions decrease, material use or savings, LCOE etc).

You have a maximum of 2000 characters.

**What kind of additional activities were chosen for the dissemination of project results? Please indicate type and number of the activity.**

a) Press release

What kind of additional activities were chosen for the dissemination of project results? Please indicate type and number of the activity.

You have a maximum of 2000 characters.

**Please indicate what type of audience has been reached in the context of undertaken dissemination and communication activities. Please indicate the estimated number of persons reached.**

a) Scientific community (higher education, research)

Please indicate what type of audience has been reached in the context of undertaken dissemination and communication activities. Please indicate the estimated number of persons reached.

You have a maximum of 2000 characters.

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