

PROJECT: csp call1 fp template

Date: 14.12.2023 Report

ID: 2

PROJECT TITLE

Concentrated Solar Power ERANET First Cofund Joint Call Fullproposal Template

TOPIC

1. Advanced linear Fresnel technology

SUBTOPIC

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., 1.5. Optimization of the (modular) thermal storage, its integration and operational requirements in the system, in order to improve scalability and reduce freezing risks., 1.8. Development of a library for industrial needs and creation of a complete model in order to define process control.

PROJECT DURATION

TOTAL REQUESTED FUNDING

TOTAL COSTS

36 Months (10/2019 to 09/2022)

751200 €

974800€

CONSORTIUM

P 1	Mrs. Partner1 First name Partner1 Family name Partner1 Organisation/Institution/Company Partner1 Department	Partner1 Street, no., Partner1 P.O. box (if applicable) , Partner1 Zip/postal code Partner1 Town/city Germany-PtJ	ptj-csp-eranet-ess@fz-juelich.de Tel.: 0049 1234 Mobile: 0049 1234 Fax: 0049 1234 http://www.csp-eranet.eu
P 2	Prof. Partner2 First name Partner2 Family name Partner2 Organisation/Institution/Company Partner2 Department	Partner2 Street, no., Partner2 P.O. box , Partner2 Zip/postal code Partner2 Town/city Spain-AGENEX	ptj-csp-eranet-ess@fz-juelich.de Tel.: 0049 1234 Mobile: 0049 1234 Fax: 0049 1234 https://csp-eranet.eu//
P 3	Dr. Partner3 First name Partner3 Family name Partner3 Organisation/Institution/Company Partner3 Department	Partner3 Street, no., Partner3 P.O. box (if applicable) , Partner3 Zip/postal code Partner3 Town/city Israel	ptj-csp-eranet-ess@fz-juelich.de Tel.: +4 1234 Mobile: +4 1234 Fax: +4 1234 http://www.csp-eranet.eu
P 4	Mrs. Partner4 First name Partner4 Family name Partner4 Organisation	Partner4 Street, Partner4 zip Partner4 Town Spain-AEI	ptj-csp-eranet-ess@fz-juelich.de Tel.: 0049 2461619874

PROJECT KEYWORDS

Supplementary keywords

csp, eranet, cofund

A. PUBLISHABLE SUMMARY OF PROJECT PROPOSAL

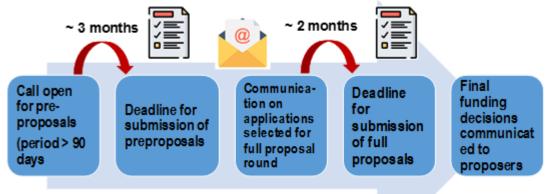
* modified >

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. 2,000 characters

COMMENT ON CHANGES

You have the possibility to report on changes in this section under "comment on changes" at the top left of each section.

In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press"save". The input here will also appear in the factsheet below the corresponding section.

B. OBJECTIVES AND TARGETS

* 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.

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 5,000 characters.

COMMENT ON CHANGES

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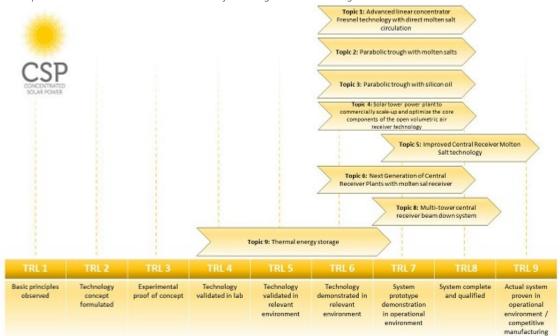
C. EXPECTED RESULTS

* 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 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 3,000 characters

COMMENT ON CHANGES

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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.

Please give the Technology Readiness Levels (TRL) at the beginning and at the end of the project.

- a) TRL at the beginning of the project
- b) TRL at the end of the project
- TRL 1 basic principles observed
- TRL 2 technology concept formulated
- TRL 3 experimental proof of concept
- TRL 4 technology validated in lab
- TRL 5 technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 6 technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 7 system prototype demonstration in operational environment
- TRL 8 system complete and qualified
- TRL 9 actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

You have a maximum of 1000 characters.

COMMENT ON CHANGES

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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:

Founding year

Number of employees

Turnover in million Euros (MEUR) p.a.

Qualification related to the Project

Role in the Project

Additional information (optional)

You have an overall maximum of 5000 characters.

COMMENT ON CHANGES

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In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press "save". The input here will also appear in the factsheet below the corresponding section.

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 outline the following:

- Project structure
- · Role of each partner
- Relevant expertise, resources, manpower
- Monitoring and management of the project

The individual work package description with milestones and deliverables is requested in the section "Work packages". Your data from the preproposal are transferred to section G. Work Packages.

This information is required for submission. In Addition you have the possibility to upload tables in the section "Document upload"

You have a maximum of 5,000 characters.

COMMENT ON CHANGES

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G. WORK PACKAGE

Table of Work Packages + Tasks

WP	Task	Start Month	End Month	WP / Task Title
1		1	15	Title of the first work package
	1.1	1	6	Title of the first task
	1.2	6	15	Title of the second task

WP/Task No.	WP Objectives + Description / Task Description		Person Month(s) (strong = Teamleader)
WP1	Objectives: Please give your main objectives for this work package in max. 1,000 characters. Description: Describe your main objectives for this work package in max. 1,000 characters	P1, P2, P3, P4	19, 18, 3, 14
T1.1	Description: 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). You have a maximum of 1,500 characters.	P1, P2 , P3, P4	9, 13 , 3, 13
T1.2	Description:	P1 , P2, P4	10 , 5, 1

Table of Milestones

Milestone No.MonthMilestone Title + Description

The state of the s			
M1.1	8	Title:	
		Milestone title	
		Description:	
		Please describe the milestones for each work package. You have a maximum of 1,000 characters. In the following section, please give the project month number, when the milestone will be reached.	

Table of Deliverables

Deliverable No.MonthDeliverable Title + Description

D1.1	5	Title:	
		Deliverable title	
		Description:	
		Please give a short description of the deliverables for the work packages. You have a maximum of 1,000 characters for each deliverable. In the following section, please state the project month, when the deliverables should be met.	





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.

Please outline the Relevance to CSP-ERA.NET / SET-plan and Transnational Added Value:

- Relevance of the project to the CSP-ERA.NET topics
- Scientific/technical/industrial/commercial expertise of the consortium partners which is relevant for the success of the project
- Value of national subprojects
- Added value of transnational cooperation

This information is required for submission.

Your data from the preproposal are transferred to the full proposal. Please complete this section as required.

You have a maximum of 3000 characters.

COMMENT ON CHANGES

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In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press "save". The input here will also appear in the factsheet below the corresponding section.

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;

You have a maximum of 10000 characters

COMMENT ON CHANGES

You have the possibility to report on changes in this section under "comment on changes" at the top left of each section.

In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press "save". The input here will also appear in the factsheet below the corresponding section.

J. RISKS 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.

Risks and mitigation measures

You have a maximum of 2,000 characters.

COMMENT ON CHANGES

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In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press "save". The input here will also appear in the factsheet below the corresponding section.

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.

Please outline whether the full project, or parts of it, have been submitted to other funding schemes as a full proposal. If so, state the funding scheme and what the outcome was.

This information is required for submission.

You have a maximum of 1,500 characters.

COMMENT ON CHANGES

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In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press "save". The input here will also appear in the factsheet below the corresponding section.

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 **current** state of the consortium agreement. Include whether the consortium agreement has been signed or not. If not, please comment and indicate the expected date of agreement signature.

This information is required for submission.

You have a maximum of 1000 characters.

COMMENT ON CHANGES

You have the possibility to report on changes in this section under "comment on changes" at the top left of each section.

In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press "save". The input here will also appear in the factsheet below the corresponding section.

M. PUBLISHABLE SUMMARY OF PROJECT PROGRESS

* modified *

Please note, that the following information is automatically transferred from the previous proposal phase and must be updated for the current proposal phase.

This information is not transferred from the preproposal. Please check and update the consortium details given in the preproposal (foundation year, number of employees, turnover in million Euros (MEUR) p.a.) and insert them here.

Further additional information relating to the project can be added here.

Addition information such as technical drawings, diagrams, charts etc. can be uploaded in the respective fields "Image Upload" and "Citations upload"

You have a maximum of 5.000 characters.

COMMENT ON CHANGES

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In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press "save". The input here will also appear in the factsheet below the corresponding section.

N. DISSEMINATION AND CUMMUNICATION ACTIVITIES

Please note, that the following information is automatically transferred from the previous proposal phase and can be updated for the current proposal phase.

1. Please give an elaboration of the dissemination plan for your project. For this purpose we kindly ask you to specify the number of dissemination and communication activities linked to the project for each of the following categories:

Organization of a conference / Organization of a Workshop / Press release / Non-scientific and non-peer-reviewed publication / Exhibition / Training / Social Media/ Website / Communication campaign / Participation in a conference /

Participation in a workshop / Participation in other events / Video or film / Brokerage event / Pitch event / Trade fair / Participation in activities organized jointly with other EU projects / Other

Please address in your dissemination plan, who is the target group, the interested community and stakeholders.

2. You also have to possibility to upload a customised dissemination plan under "Document Upload" in PDF Format. (max. allowed file size: 2 MB, max. allowed pages: five pages)

Please be aware that all data concerning your dissemination activities will be tracked in the upcoming annual project reports.

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.

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

This information is required for submission. Max. 4000 characters

SURVEY

Partner 1 (Consortium Coordinator): Partner1 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.

Nο

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.

Nο

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?

Nο

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 mane 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 mane 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.

PROJECT FINANCES

Requested funding

Organisation name	Personnel	Travel	Consumables / Equipment	Subcontracts	Other	Requested Funding	Total Own Contribution	Total Costs
Partner1 Organisation/Institution/Company	120000	5000	40000	0	10000	187000	0	187000
Overhead	12000	0	0	0	0			
Partner2 Organisation/Institution/Company	200000	7500	11000	15000	0	233500	223600	457100
Overhead	0	0	0	0	0			
Partner3 Organisation/Institution/Company	130000	3000	5200	0	0	138200	0	138200
Overhead	0	0	0	0	0			
Partner4 Organisation	175000	2000	3300	0	12200	102500	0	192500
Overhead	0	0	0	0	0	192500		
TOTAL	637000	17500	59500	15000	22200	751200	223600	974800

Own contribution

Organisation name	Personnel	Travel	Consumables / Equipment	Subcontracts	Other	Total Own Contribution
Partner1 Organisation/Institution/Company	0	0	0	0	0	0
Partner2 Organisation/Institution/Company	200000	7500	1100	15000	0	223600
Partner3 Organisation/Institution/Company	0	0	0	0	0	0
Partner4 Organisation	0	0	0	0	0	0
TOTAL	200000	7500	1100	15000	0	223600

PROJECT FINANCE COMMENTS

* modified >

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

* modified *

FINANCE COMMENTS

Personnel	For all Finance Comments: Brief Description (max. 1,000 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.
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 €.
Subcontracts	Describe the sub-contract for the task that cannot be carried out by the project consortium and its particular relevance for the project.
Other	E.g. conference fees for dissemination activities specifically related to the project.

REGISTRATION/VAT PIC NUMBER ACCORDING TO NATIONAL/REGIONAL REQUIREMENTS.

Registration/VAT

ADDITIONAL INFORMATION

Confirm that the information given in this proposal is correct.	yes
Confirm that the proposal is endorsed by all project partners.	yes
Confirm that all partners have contacted and appropriately informed their funding agencies on the project.	yes
Confirm Dissemination.	yes
Confirm report.	yes
Additional Text	yes

COMMENT ON CHANGES (PARTNER DATA ONLY)

You have the possibility to report on changes in this section under "comment on changes" at the top left of each section.

In case there are changes made to this section in comparison to the previous phase, please state these changes here. Do not forget to press "save". The input here will also appear in the factsheet below the corresponding section.

Partner 2: Partner 2 Organisation/Institution/Company

modified *

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 PIC NUMBER ACCORDING TO NATIONAL/REGIONAL REQUIREMENTS.

Registration/VAT

ADDITIONAL INFORMATION

Confirm Dissemination.	yes
Confirm report.	yes
Additional Text	Test additional text

COMMENT ON CHANGES (PARTNER DATA ONLY)

yes

Partner 3: Partner3 Organisation/Institution/Company

* modified *

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 PIC NUMBER ACCORDING TO NATIONAL/REGIONAL REQUIREMENTS.

Registration/VAT

ADDITIONAL INFORMATION

Confirm Dissemination.	yes
Confirm report.	yes
Additional Text	yes

COMMENT ON CHANGES (PARTNER DATA ONLY)

Declaration regarding report accepted

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 PIC NUMBER ACCORDING TO NATIONAL/REGIONAL REQUIREMENTS.

ADDITIONAL INFORMATION

Confirm Dissemination.	yes
Confirm report.	yes
Additional Text	yes

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