

FEDERAL SCIENCE POLICY

RESEARCH PROGRAMME FOR EARTH OBSERVATION STEREO IV

(Support to Exploitation and Research in Earth Observation)

permanent call for proposals – development of applications

**Submission file**

**Please send to** [**schy@belspo.be**](mailto:schy@belspo.be) **and** [**vdab@belspo.be**](mailto:vdab@belspo.be)

|  |  |
| --- | --- |
| **SUMMARY INFORMATION OF PROPOSAL:** | |
| title (maximum 12 words): | |
| acronym: | |
| Research theme(s): | |
| Impact of climate change on terrestrial and marine environments |  |
| Advanced Monitoring and Assessment of Hazards (including pandemics) |  |
| Monitoring environment for improved environmental health and biodiversity |  |
| Geo-information for Sustainable and Green Cities |  |
| KEY WORDS (5): | |
| coordinator: | |
| PARTNER(S): | |
| duration (months): | |
| BUDGET:   |  |  |  |  | | --- | --- | --- | --- | | ***Partner*** | ***STEREO budget requested*** | ***non-STEREO financial contribution*** | ***Total budget*** | | Coordinator | 0 |  |  | | Partner 2 |  |  |  | | Partner 3 |  |  |  | | Partner 4 |  |  |  | | **TOTAL** |  |  |  | | |

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GENERAL INFORMATION

Before completing this form, please read the information document of the call

Proposals must be submitted in English.

Please only use the forms designed for this call. A Gantt chart with the planning of the work packages can be submitted separately.

The proposals must be formulated concisely, while avoiding abbreviations.

The forms should be filled in using font Calibri size 12 and single line spacing.

**Please delete the empty forms.**

## Summary of the proposal

(maximum 1 page – context, objective, research hypothesis, methodology, expected outcome, potential societal benefits)

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## **Section I**

Applicant Information

Forms 1 - 2

### Form 1

##### Partnership

*Coordinator (Partner 1)\*:*

\*: The coordinator is a member of the non-financed organisation

|  |  |
| --- | --- |
| Name: |  |
| Tel. and e-mail: |  |
| Name of organisation: |  |
| Type of organization [[1]](#footnote-1): |  |
| Address organisation: |  |
| URL organisation: |  |
| Short description of organisation: |  |
|  | I declare that my hierarchical authority agrees with the submission of this proposal |
|  | I declare that all persons involved in this proposal agree that their personal data can be processed by BELSPO in the framework of the evaluation and that the proposal can be transferred to external experts to be evaluated |
| Date + Signature: |  |

*Partners:*

Partner 2:

|  |  |
| --- | --- |
| Name: |  |
| Tel. and e-mail: |  |
| Name of organisation: |  |
| Type of organization [[2]](#footnote-2): |  |
| Name of research unit: |  |
| Address organisation and research unit: |  |
| URL research unit: |  |
| URL link to publications (Researchgate, Google scholar, …): |  |
| Short description of research unit and relevant expertise: |  |
| Number and type of staff: |  |
| Researcher(s) to be involved in project [[3]](#footnote-3): |  |
| URL link(s) to related recent projects: |  |
|  | I declare that my hierarchical authority agrees with the submission of this proposal |
|  | I declare that all persons involved in this proposal agree that their personal data can be processed by BELSPO in the framework of the evaluation and that the proposal can be transferred to foreign experts to be evaluated |
| Date + Signature: |  |

**duplicate for additional partners-maximum 4 partners (coordinator included)**

### Form 2

##### Complementarity of the partners

**max 1 page** - Describe the complementarity of the teams

|  |
| --- |
|  |

## **Section II**

Description of the proposal

Forms 3 - 12

### Form 3

##### Research topic

**max. 2 pages –** Describe the research topic and position it relative to the current state of knowledge. List the research gaps that need to be addressed, in terms of science, technology and implementation. Describe how the project will contribute to the STEREO research theme(s) selected. Literature references can be added on a second page.

|  |
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### Form 4

##### USER NEEDS AND POTENTIAL COST SAVINGS

**maximum 1 page –** Describe why the application is needed in respect to current practices within the user organisation. Give an estimate of potential savings (resources, efficiency, or business) for the organisation.

|  |
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### Form 5

##### Planned implementation of the results (business or implementation plan)

**max. 2 pages –** How will the application be implemented within the user organisation? What is the type of product that will be developed? What is the business model (for application projects with a private company)?

|  |
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### Form 6

##### Objectives

**max 2 pages** - What are the scientific, technical and operational objectives? What are the expected outcomes and deliverables of the proposal and what will be the final product or service?

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### Form 7

##### Methodology

**max 3 pages** - Outline the proposed methodological approaches. Highlight what is innovative. Describe how results will be validated.

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|  |

### Form 8

##### Overview of work packages

|  |
| --- |
| Attach Gantt chart or other graph with duration of work packages, promotor responsible and timing of deliverables |

|  |  |
| --- | --- |
| *Work package* | [Number] |
| Title |  |
| Description |  |
| Objectives (if applicable) |  |
| Methodology (if applicable) |  |
| Deliverable(s) |  |
| Partner(s) [[4]](#footnote-4) |  |

(copy for each work package)

Specific work packages must be dedicated to validation, the valorisation and dissemination of results and business/implementation plan

### Form 9

##### Study site(s) and data requirement

Location of study site(s) (a map may be inserted):

Data requested from STEREO:

The cost of satellite data is not part of the project's budget but can be charged separately to the programme after approval by the programme managers. The data requested should be fully justified and indispensable to the project. The cost of UAV data acquisition and processing, however, should be borne by the project and be allocated to the "operations" or "specific operations" budget lines. **The use of free and open Copernicus Sentinel data is strongly encouraged and the Belgian community now has also access to a new Belgian collaborative ground segment - TERRASCOPE (https://www.terrascope.be ) and its functionalities. Pléiades VHR data are available at cost via https://eo.belspo.be/en/pleiades-4-belgium.**

*Satellite data:*

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Area | Acquisition period | Number of images |
|  |  |  |  |
|  |  |  |  |
| **Total cost** | | |  |

### Form 10

##### Budget breakdown

**Overall budget**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Partner*** | ***STEREO budget requested*** | ***non-STEREO financial contribution*** | ***Total budget*** |
| Coordinator | 0 |  |  |
| Partner 2 |  |  |  |
| Partner 3 |  |  |  |
| Partner 4 |  |  |  |
| **Total budget:** |  |  |  |

**Budget breakdown\***

(Form to be copied and completed by each partner requesting stereo budget)

Name of the applicant:

|  |
| --- |
|  |

|  |  |
| --- | --- |
|  | *Budget in EURO* |
| Staff (1) |  |
| Operations (2) |  |
| Specific operations (3) |  |
| Equipment (4) |  |
| Subcontracting (5) |  |
| Overheads (6) |  |
| **TOTAL** |  |

(1) Staff

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Personnel’s profile  (e.g. PhD in economics, 6 years experience) | M/M to be financed | Cost per M/M | Total Costs | M/M not financed |
|  |  |  |  |  |
|  |  |  |  |  |

(2) Operations

The overall total of these operations expenses is fixed as a flat rate, on the basis of a percentage of the staff cost. The percentage is limited to 15% for the coordinator and 10% for the other partners.

(3) Specific operations

This includes all specific operations costs linked to the execution of the project like costs for data acquisitions and processing (UAV and airborne), analysis (RS and in-situ data), workshops organization, maintenance and repair of equipment acquired chargeable to the PROJECT. All these costs are reimbursed based on justifications (invoices, receipts, ....)

It is recommended to plan specific operations costs only when the upper limit fixed for the operation costs has been reached.

(4) Equipment

|  |  |
| --- | --- |
| Description of each equipment | budget estimation |
|  |  |

(5) Subcontracting

Subcontracting costs represent the costs incurred by a third party for execution of tasks or the provision of services calling for specific scientific or technical skills outside the normal framework of the activities of the PROMOTER. The budget reserved for financing subcontracting may not exceed 25% of the amount allocated to the PROMOTER concerned.

|  |  |
| --- | --- |
| Name:  Address: | |
| Description of tasks: | Estimated cost: |
|  |  |

(6) Overheads

Amount covering, on a flat rate basis, the administration, telephone, post, maintenance, heating, lighting, electricity, rent, equipment depreciation or insurance costs. The total of this entry may not exceed 5% of the total of accepted cost for "Staff", "Operations" and "Specific operations". The overhead % may be modified starting 2024.

### Form 11

##### Financial contribution of THE NON-FINANCED partner

This contribution is in kind and must amount to a minimum of 25% of the total budget requested from STEREO.

Name of the applicant:

|  |
| --- |
|  |

|  |  |
| --- | --- |
|  | Equivalent value in money  (1000 €) |
| Personnel |  |
| Operations |  |
| Equipment |  |
| Other (specify): |  |
| Other (specify): |  |
|  |  |
| **Total** |  |

### Form 12

##### SWOT analysis of proposal

max 1 page - List strengths, weaknesses, opportunities and threats (including back-up plans).

|  |
| --- |
|  |

1. Governmental administration or, private company [↑](#footnote-ref-1)
2. University, public research institution or non-profit research institution [↑](#footnote-ref-2)
3. If already known otherwise specify if researcher(s) to be hired after project granted [↑](#footnote-ref-3)
4. If several partners involved, underline partner in charge of coordinating the work package [↑](#footnote-ref-4)