PRODEX PROJECT APPLICATION

(Version 1.6, June 2022)

|  |  |  |
| --- | --- | --- |
| to be submitted to: |  | space@sbfi.admin.ch |
| or: |  | State Secretariat for Education,Research and Innovation SERISwiss Space Office, PRODEXEinsteinstrasse 23003 Bern |

**Name of the proposal:**

**Name of the experiment/instrument:**

**Name of the mission or platform:**

**Phase:**

**Swiss Principal Investigator for this proposal:**

Name and first name:

Affiliation and position:

Address:

Phone number:

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# Summary

## Abstract

Short description (maximum of 200 words) of the mission, the instrument, and the proposed work.

## Discipline

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Atmospheric Sciences  |  | Solar Observations |  | Life Sciences |  |
| Earth Observations |  | Astronomy |  | Materials Sciences |  |
| Space Plasma Physics |  | Technology |  | ........................... |  |
|  |  |  |  |  |  |
| Experiment type: |  | Hardware |  |  |  |
|  |  | Software |  |  |  |
|  |  | Science operations |  |  |  |

## Timeline

|  |  |
| --- | --- |
| Starting date of experiment/instrument development |  |
| Starting date of this request |  |
| Completion date of this request |  |
| Expected launch date |  |

## Requested PRODEX funding (in Euros)

Applied exchange rate:

The exchange rate to be applied is published on the SERI webpage. This rate can remain subject to change during the implementation of the project and according to the decision of Swiss federal administration.

|  |  |  |
| --- | --- | --- |
| **This request (Phase …)** |  | **Euro** |
| Previous requests (Phase …) |  | Euro |
| Potential future requests (Phase …) |  | Euro |
| Total |  | Euro |

## Expected yearly budget for this request (in Euros)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year** |  |  |  |  | **...** | Total (€) |
| Budget |  |  |  |  |  |  |

# Signatures

**Swiss Principal Investigator**

Place, date, name and signature

**Endorsement by the department/university**
Place, date, name of the legal representative and signature

# Experiment description and development plan

## Scientific background of the mission and objectives of the Swiss experiment

## Detailed description of the instrument, parts of instruments and/or software to be developed

## Experimental techniques and technology to be developed

Applicable for hardware and software development proposals only.

## Involvement of Swiss industry and proposed collaboration scheme

Applicable for hardware and software development proposals only.

## Work breakdown structure and description of all work packages

Provide a set of work-package description, deliverables, and schedule each for the institute’s tasks and the industrial development tasks. Please indicate work-package numbers and leader.

## International collaboration

Address any collaboration with entities in ESA- or non-ESA Member States, and identify the deliverables provided to those organisations.

## Status of the mission and schedules at mission and instrument level

Please indicate the status of the experiment and the mission according to ECSS standards. For non-European missions, indicate the equivalent:

Phase 0 - Mission analysis/needs identification (ends with MDR)

Phase A - Feasibility (ends with PRR)

Phase B - Preliminary Definition (ends with PDR)

Phase C - Detailed Definition (ends with CDR)

Phase D - Qualification and Production (ends with an acceptance or readiness review)

Phase E - Utilization

Phase F – Disposal

# Scientific context and experience of the institute

## Scientific benefits for the institute and the Swiss research community

## Relation of the project to the institute strategy, other activities of the institute and experience of the institute with handling projects of similar size

## Concept for securing data analysis at the institute

# Risks assessment

## Identified risks

## Risk mitigation plan

# Requested PRODEX funds

Note that PRODEX funding for institutes is granted on a reimbursement basis. Only effective costs will be covered.

## Overview of costs per category and year

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **n** | **n+1** | **…** | **Total (€)** | **% of overall costs** |
| Salary costs at institute  |  |  |  |  |  |
| Travel costs  |  |  |  |  |  |
| Other costs at institute |  |  |  |  |  |
| Industry costs |  |  |  |  |  |
| **Total (€)** |  |  |  |  |  |

## Salary costs at institute

Include descriptions of duties and expected workload for each staff member to be paid by PRODEX and as described in the work-packages in section 3.5. Please include the hourly rate or monthly salary.

## Travel costs

Including destinations, number of trips and people.

## Other costs at institute

Procurements including equipment to be purchased, subcontracted tasks, external services, and costs for test facilities.

Procurement items at a cost above 200’000 Euro shall in principle be procured through the PRODEX Office. Exceptions need to be duly justified.

## Industry costs

These costs are for hardware and software developments in industry. According to the PRODEX guidelines, these should correspond to at least 50% of total PRODEX funding for the entire development of a project (Phases A-D).

A cost breakdown should be provided for all industrial work-packages. If available, please include labour costs incl. hourly rates, as well as hardware procurement costs, and other.

# Other funding sources

PRODEX funds shall supplement existing national funding sources.

## Third-party funding

Please list all applications to other organisations, pending or accepted, with the expected funding amount and duration.

|  |  |  |  |
| --- | --- | --- | --- |
| **Funding organisation** | **Status of application** | **Amount and purpose** | **Duration** |
|  |  |  |  |
|  |  |  |  |

## In-kind contributions

Examples for in-kind contributions include personnel, infrastructure, ground test equipment, data analysis, software development.

# Potentially interested industrial partners

List of companies including addresses and contact person, if known.

Note that industrial contracts are awarded according to the ESA Procurement Rules and Regulations.

# List of acronyms

# Attachments

List of attachments submitted with this application

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