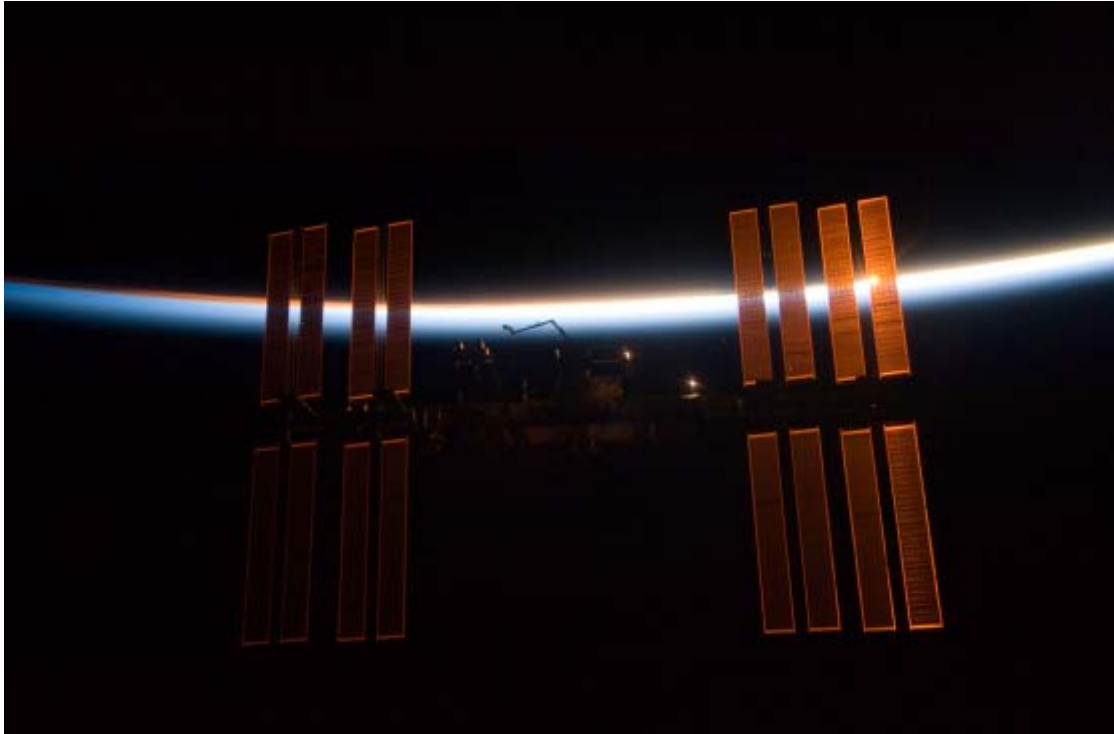


Call for Ideas Annex 2 – Instructions and Forms:
Experiments for global climate change from the ISS

Annex 2: Call for ideas: instructions and forms



**Call for Ideas Annex 2 – Instructions and Forms:
Experiments for global climate change from the ISS**

1 Annex 2: Proposal

Preparation Guide

1.1 Contact and Submission Address

Scientific institutes and industry interested in this announcement are invited to submit a proposal describing an idea for Earth observations related to climate change, using the attached form. This proposal is not binding. For questions related to this Call for Ideas please contact:

Jason Hatton
HSF-US/ESA-ESTEC
Keplerlaan 1, 2200AG Noordwijk
Netherlands

Tel:+31-71-565-4059

The proposals should be sent to the following e-mail address:

E-mail: iss-climatechange@esa.int

Proposal of ideas should be submitted in electronic format AS ONE SINGLE FILE (Microsoft Word (.doc) or Adobe Acrobat (.pdf)) to the above email address. The form at the end of this document should be used for submission of the proposed idea.

To facilitate transmission of the file the total file size should be no more than 5 MB (incl. pictures). Should the file be larger, ESA should be informed in advance (via the above contact point).

Your submission will be acknowledged within 10 working days of receipt

1.2 Time Schedule

- Letter of Interest due **21st December, 2009**
- Acknowledgement of receipt of letter within 10 days of submission
- ESA Feedback to proposer: **21st March 2010**

Call for Ideas Annex 2 – Instructions and Forms: Experiments for global climate change from the ISS

1.3 Evaluation criteria

The submitted ideas will be reviewed by ESA experts from the Earth Observation Programmes and Human Spaceflight directorates. The following criteria will be used to evaluate the merit of the proposed idea:

- **Relevance to the ESA objectives for Earth Observation** - – it is suggested, but not mandatory, that reference should be made to the general and specific objectives in the document ESA SP-1304: The Changing Earth: New Scientific Challenges for ESA's Living Planet Programme. (<http://esamultimedia.esa.int/docs/SP-1304.pdf>), and in particular to topics therein of relevance to climate change
- **Usefulness** - this must take account the scientific requirements and/or the importance of the proposed idea but also the extent to which the requirements, including those of space/time sampling, can be met within the constraints of implementation on ISS.
- **Uniqueness and complementarity to other programmes** - this should indicate the need to perform the observations from space, the possible advantages of an implementation on the ISS, and why this cannot be done by terrestrial (including airborne) observation techniques; it should also indicate the complementarity with activities and plans of other space national and international bodies.
- **Contribution to the advancement of European Earth observation capabilities** - this relates to technical/industrial aspects, including demonstration aspects, as well as to user interests.
- **Feasibility and level of maturity** - this encompasses the technical constraints, with a particular emphasis on the technology readiness, as well as the status of the associated user community within ESA member states and the maturity of its requirements.
- **Programmatics** - this addresses the implications of possible cooperation with other programmes taking account of the planned availability of relevant data from other observing systems, including those in the ESA Living Planet and GMES programmes as well as international programmes..

1.4 Feedback to investigator

Your submission will be acknowledged within 10 working days of receipt. A written feedback with comments from the internal ESA evaluation will be provided to proposers via e-mail normally within 3 months of the closing date of the call. Proposers will be informed by e-mail of any additional follow on activities, which may include: a follow up workshop for proposers, discussions for establishing investigator topical teams or an announcement of opportunity for flight experiment proposals.

**Call for Ideas Annex 2 – Instructions and Forms:
Experiments for global climate change from the ISS**

2 Proposal of Idea concerning experiments for global climate change studies from the International Space Station

I express my interest in the Call for Ideas for experiments for global climate change studies from the International Space Station.

Title of proposed idea:

Abstract of proposed idea

(Maximum 250 words)

Team Coordinator

Name and function:

Organisation (Industry/University/Research Centre):

Address:

Tel.:

Fax:

E-mail:

Team Members

No Limit on number of team members. Please provide data for each team

**Call for Ideas Annex 2 – Instructions and Forms:
Experiments for global climate change from the ISS**

member

Name and function:

Organisation (Industry/University/Research Centre):

Address:

Tel.:

Fax:

E-mail:

Objectives:

Summarise the key objectives of the proposed experiment (Maximum 300 words)

Description of experiment concept

(Maximum five pages). The following points should be addressed;

- Background and relevance to Climate change studies and ESA / International Earth Observation programme objectives
- General description of experiment concept including the following
 - Including type of observation / measurements performed
 - Instrument concept, including space segment (identifying requirements and constraints as far as known), utilisation and approach to data exploitation
 - Frequency and total duration of observations required
- Complementarity to other programmes and observations
- Feasibility and Technology readiness level
- Programmatic