

Proposal Form: Access to GBF Drop Tower Parabolic Flight

SOLICITED PROPOSAL APPLICATION FOR ACCESS TO GROUND BASED FACILITIES / DROP TOWER / PARABOLIC FLIGHT (*PREFERABLY AS A CONSTITUTIVE PART OF AN INTEGRATED EUROPEAN RESEARCH PROGRAMME*)

Proposal in the frame of the ESA Continuously Open RA – July 2004

(This form along with the full RA "Access to Ground Based Facilities" brings sufficient and necessary instructions and guidelines for the preparation and submission of a proposal under the Continuously Open RA.)

(Please apportion the amount of efforts invested in preparing the proposal to the budget/support requested from ESA – see the full RA-GBF.)

(for Agency use only): **Date received:**

Processed by:

1. Complete title of the experiment:

Title of the Integrated European Programme of Research under which the present experimental proposal is made *(when applicable):*

Short description of the Specific Objective for the proposed GBF/DT/PF experiment within the Integrated Programme of research *(normal laboratory research, ground simulation of space conditions, space research, possibly already ongoing MAP project) (when applicable):*

Is it the first time that this proposal or a closely related one is submitted by the team?
(if not, please comment and justify)

2. Coordinator *(First, middle, and last name; degrees; position title; position in the Integrated Programme of Research/when applicable):*

3. Complete Mailing Address:

4. Telephone Number:

Fax Number:

e-Mail Address:

5. Partners (*First and last name, institution, position*):

6. Signatures

Experiment Coordinator	/	Partners...
Signature, Date		Signature, Date

7. Officials Signing for Applicants Organisations (all applicants)

(Name, title, and telephone number; only if different from the Coordinator and Partners):

Name Coordinator:

PROPOSAL ABSTRACT

(Basic hypothesis, proposed experiment, expected outcome; +/- 200 words):

Name Coordinator:

1. Addressing the general objectives of the continuously open call and justification for experimenting in space simulating conditions

Describe how the proposal addresses one or more of the following general objectives: 1. to improve the preparation of a space flight experiment, 2. to further the scientific knowledge of the basic influence of gravity or other space or planetary conditions on life-, physical-, and interdisciplinary- processes, or alternatively to provide for the μg environment that is conditional to the scientific phenomenon studied, 3. to favour the integration of "space research" into normal earth-based research activities, 4. to favour the creation of a sound integrated research programme of European dimension.

2. Scientific and technical aspects

Describe the basic influence of gravity or other space related conditions in the studied phenomenon.

Present the objectives of the proposed experiment and, when applicable, how these objectives articulates within the lines of the integrated research programme.

Justify the proposed experiment and the proposed specific experimental conditions on the basis of preparatory research.

Detailed experiment procedure

Describe step by step the operations to be performed; in the specific case of Parabolic flight and Drop Tower experiments, please also specify the equipment used, including mass/ size/ power, and utilisation of each parabola/drop.

For Access to GBF, description of a typical "Unit of Access" experimental session

The "Unit of Access" is defined as running one single experimental set, or grant of one single access period (day/week/run...) in line with the characteristics of the facility; the table here is proposed by default; please use any kind of table/graph/histogram... best suiting your needs.

Activity	Place / main equipment	period (not dates)
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Proposed implementation plan

Number of repeat for the "Unit of Access experimental session"(for GBF), number of requested parabolas/drops, justification, schedule; such number being an important element of costs, the to be allocated number will be part of the evaluation.

3. Qualification of the coordinator and partners related to the tasks, and added scientific value from the consortium & international approach

Provide copy of the most relevant publications by the team of the last 3 years, tasks distribution justification, best use of available knowledge and links with on-going related activities in Europe...

4. Management

Team management, management of scientific knowledge incl. IPR, academic - industrial synergy when applicable...

5. Mobilisation of resources

Foreseen resources in terms of -personnel, -equipment, -finances, -time availability by coordinator and partners, in terms of the quality of the integration/distribution of resources towards a coherent project, in terms of balance between the financing of the experiment plus associated laboratory work and the requested financial resources from ESA, n.b. limited to the access cost (see full RA text) to the GBF, and/or provision of PF and DT time. All aspects that are necessary to prepare and run the experiment and that are not to be covered/provided by ESA will also be described with suitable certification.

6. Supporting budgetary information (not for DT/PF)

In addition to elements provided under "Mobilisation of resources", this is covering more specifically the detailed costs associated to the running of one single "Unit of access experimental session", along with the justified number of repeat and scheduling.

7. Ethics

For research on humans or animals, approval from the relevant Inst. Review Board / Ethics Committee will be provided at the latest with the signed Letter of Acceptance (see full RA-GBF text/ 6 weeks from notification by ESA). Submission of the protocol to the IRB/EC is invited to be confirmed in the proposal.

8. Safety

A safety assessment, risk prevention, and countermeasures protocol shall be included as necessary.

Reference Literature

Distribution list

By submitting this proposal, the Partners confirm they have good faith being able to provide a Letter of Acceptance stating that all necessary resources will be made available to conduct the experiment within 6 weeks from notification by ESA.