HEMERA Call for Ideas (CFI) for Balloon Experiments

The ideas should be submitted as a single pdf file using this template to hemera@snsb.se no later than April 27, 2018, 17.00 Central European time.

Please indicate "submission CFI" in the subject line of your e-mail. If you have several ideas, you should fill in a separate template for each idea. You can attach several ideas (one file for each idea) to one single e-mail.

The name of your pdf file should be composed as follows: **CFI_lastname_firstname_country.pdf**, e.g. **CFI_Andersson_Jan_Sweden.pdf** where the country should reflect your current affiliation, not citizenship). The size of a single file should not exceed 1 MB, do not include large photos or other pictures.

In case you wish to submit several ideas, please add "a number of the idea" after your first name, e.g. **CFI_Andersson_Jan_1_Sweden.pdf** and **CFI_Andersson_Jan_2_Sweden.pdf**

Please delete the instructions above and fill in the template below. Keep the numbers and the bold-face titles, and replace the rest with your answers.

1. **Principal Investigator**
   Name of primary proposer, including title, affiliation (university/institute, company) and e-mail address

2. **Co-Investigators**
   Other proposers (if any), including title, affiliation (university/institute, company) and e-mail address

3. **Entities involved in the experiment**
   Please list universities, institutes, companies, etc.

4. **Team size**
   Please give approximate number of persons involved.

5. **Description of the idea**
   Write maximum 250 words, addressing the following:
   - field of science (e.g. atmospheric science, astrophysics, biology, Earth Observation, technical research etc.)
   - science and/or technology objectives, content of the experiment and expected results

6. **Technical details of the experiment and flight requirements**
   Use your best knowledge when providing these details. Do not worry if you do not have all information at the moment or cannot provided exact values. Please consult the description provided for this Call for Ideas, before providing your own input.

a) preferred balloon type (zero pressure balloon, small sounding balloon or future balloons not part of current HEMERA project, e.g. boundary layer balloons and/or super pressure balloons)
b) estimated mass of the experiment, excluding power source, kg
c) estimated dimensions of the experiment, cm
d) required flight altitude, km
e) required flight duration, hours
f) preferred season for the flight (winter, spring, summer, autumn or no preference)
g) preferred launch site (if any) in case of zero pressure balloons (Esrange and/or Timmins, please note that Timmins is available during summer only)
h) preferred time frame of launch (2019, 2020, 2021) or later during possible next phases of HEMERA

7. **Current status of the experiment**
   Please delete alternatives not applicable to your situation
   A not developed yet
   B under development
   C existing experiment, ready for flight

8. **Funding of the experiment**
   Please note that your experiments should be funded by your university/institute/company or other means outside the HEMERA budget.
   Please delete alternatives not applicable to your situation
   A funding is available
   B funding is not needed as the experiment is already developed
   C will apply for funding at later stage if/when the experiment is selected in one of HEMERA Calls for Proposals

For programmatic questions, contact Kristine Dannenberg at Swedish National Space Board, hemera@snsb.se

For technical questions, contact Stephane Louvel at CNES stephane.louvel@cnes.fr and/or Maria Holmström at SSC, maria.holmstrom@sscspace.com