Proposal Template

**Earth System Science Hub Challenge**

**University Name:**

**Department/Faculty:**

**Lead Contact (Name, Position):**

**Email:**

**Phone Number:**

# 1. Proposed Research Themes

*Please provide a clear and concise description of up to 3 initial research themes or science questions your students could focus on during the workshop. These proposed themes should align with current Earth Observation (EO) capabilities and demonstrate the use of ESA data. The final themes for the workshop will be defined in collaboration with ESA, ensuring they meet the objectives of the event and leverage available resources.*

**Theme 1**

**Description & Science question:**

**ESA Data to be used:**

**Theme 2**

**Description & Science question:**

**ESA Data to be used:**

**Theme 3**

**Description & Science question:**

**ESA Data to be used:**

**Rationale for Contribution: (maximum 200 words)**

Explain how the proposed research themes align with the students' current programme of studies and how participating in the workshop will enhance their academic and research development in the field of Earth Observation.

# 2. Student Details

Please provide the following details for each proposed student. Replace the example text in the table with information specific to your students.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Study Level (MSc/PhD) | Scientific Domain/PhD Topic | Relevant Experience (EO, Remote Sensing, Python, Cloud Platforms) |
| *Example: Student 1* | *MSc* | *Climate Monitoring* | *Python, EO data processing, familiarity with DeepESDL* |
| *Example: Student 2* | *PhD* | *Disaster Management* | *EO for flood detection, cloud computing, openEO platform* |
| *Example: Student 3* | *MSc* | *Urban Mapping* | *Remote sensing, ESA Sentinel data, Python experience* |

*Please continue for additional students (up to 15 students).*

# 3. University Collaboration

### Collaboration with Other Institutions (if applicable):

### *Indicate if students from other universities are included in your proposal.*

* *Collaborating Institution 1 (if applicable):*
* *Collaborating Institution 2 (if applicable):*

*Provide a brief description of the collaboration and its potential benefits from the workshop.*

### Willingness to Combine with Another University:

### ☐ *We are open to combining our group of students with those from another university to foster broader collaboration.*

# 4. Proposed Workshop Dates

Please suggest up to three preferred date ranges for the workshop. The workshop is planned for one week at ESA ESRIN in Frascati, Italy. Flexibility is appreciated to facilitate coordination. The final date will be agreed with ESA based on availability of resources.

**1. Preferred Date Range 1:**

**2. Preferred Date Range 2:**

**3. Preferred Date Range 3:**

# 5. Logistical Feasibility

**Confirmation of Cost Coverage:**

*Confirm that your university will cover the travel and subsistence costs for your students during the workshop at ESRIN. Provide any additional logistical details, such as travel arrangements or accommodation plans for your students.*

# Submission

Please ensure your proposal does not exceed 4 pages in total.

Submit your proposal as a **single PDF file** **to** [**ScienceHub@esa.int**](mailto:ScienceHub@esa.int)**, by 20 November 2024**.