Call for (remotely) accessible experimental hardware

FuseNet
The European Fusion Education Network
ASSOCIATION

1. Introduction

FuseNet is an independent legal entity that was founded in December 2010 to provide a platform for the coordination of European fusion education activities, the initiation, development and implementation of new EU-wide actions, and the exchange and dissemination of fusion education information. The association is open to all European organisations that are active in the field of fusion education and research.

As part of its activities, FuseNet supports the accessibility of experimental hardware for educational purposes. In the past successful applicants have used this funding to increase accessibility of existing fusion-related experiments and develop novel hands-on experiments. Such examples can be found in the **FuseNet Educational Materials browser** under Experiments.

In 2021, FuseNet is launching a new call for (remotely) accessible experimental hardware. This call is aimed at applicants that want to build a new experiment, upgrade or relocate existing experiments and at applicants who want to make their experiment remotely accessible and operable through the internet.

2. Eligibility

Eligibility is subject to the following criteria.

1. The applicant must be a FuseNet member.
2. The application must have as object to
    a. introduce a new experiment;
    b. upgrade an existing experiment;
    c. render an existing experiment remotely accessible and operable;
    d. relocating an existing experiment from industry or research institutes to a university.
3. The experiment covered in the application must be fusion-relevant and have added value for the fusion education ecosystem, e.g. by introducing novel concepts, by enabling access for students that were previously unable to get hands-on experience, etc.
4. The experiment covered in the application must be easily and broadly accessible to fusion students in Europe.
5. The experiment covered in the application must be of high quality.

3. Type of support

Depending on the scope of the project, FuseNet expects applications for financial support in the range of €1000 to €15,000. This support must be compliant with EUROfusion rules which means that only actual costs of manpower, goods and services, shipment and hardware depreciation can be reimbursed.

4. Application procedure

1. A running call is set out and FuseNet members can send in their application to **feo@fusenet.eu** in a format to be described in section 5.
2. Applications are evaluated by the WP_MAS work party on a running basis.
3. Given a successful application, FuseNet draws up a purchase order based on the application document, which describes the experiment and associated deliverables.

4. Payment in full follows after the experiment has been commissioned and only after all deliverables have been received by FuseNet.

5. Contents of the application

Applications are typically 1–2 pages and must at least include

1. a description of the experiment;
2. a description of who can access the experiment and on what conditions, explicitly distinguishing between
    a. access by the applicant's own students;
    b. access by students of other FuseNet members.
3. a top-level budget breakdown.

Depending on the object of the application (refer to section 2 sub 2), the application must additionally include

4. for a new experiment: a motivation of its fusion relevance;
5. for an upgrade: a motivation why the upgrade is required;
6. for remote accessibility to an existing experiment: a brief manual on how students should connect and operate the experiment;
7. for relocating an existing experiment: a description of who is sending what to whom, in what state and leaving what estimated assembly and commissioning effort to the receiver.