

Call for the development of lecture
material suitable for university
education in Europe

REF: EFF-WP8-2020-1



FuseNet
The European Fusion Education Network
ASSOCIATION

1 Purpose

The FuseNet Association is an independent legal entity that was founded in December 2010 to provide a platform for the coordination of European fusion education activities.

In order to stimulate the accessibility of quality education material in the fusion curricula, FuseNet has decided to call for the development of lecture material on dedicated topics in nuclear fusion.

The material is aimed to be made available on the website to representatives of FuseNet member organisations.

This call is open to all FuseNet members willing to prepare material (that is: slides, images, exercises and a short description, as specified below).

2 Scope

The longer term objective is to build a repository of a wide range of topics in fusion. The committee, steered by the Board of Governors, builds up and maintains a list of topics to get more coverage with new material.

Examples are:

- Single particle motion in uniform and nonuniform **B** and **E** fields
- Neutral beam injection for plasma heating
- Magnet technology (or Basics of plasma wall interaction)

Other topics may be suggested as well, and can be approved only after discussion with the evaluation committee.

3 Deliverables

After the FuseNet Association's approval of a submission, the contributor shall provide the material by a date that is agreed between the parties. The language of the deliverables and communication shall be English.

The deliverables consist of:

- The syllabus (consisting of a short description, concepts used and learning objectives)
- Presentation slides and raw material:
 - o High quality figures (eps, png) - The goal is to circulate the slides but also the image files separately, such that lecturers can implement them in their own presentations.
 - o Explanatory text for the slides and a lecturer instruction (text, equations in LaTeX and Word)
- A set of questions/assignments and answers
- References for further study (books, articles, tools)
- Optional: additional material, such as movies, easy-to-implement lab experiments.

FuseNet will provide a template for the presentation slides, the assignments and the reader (Word and Powerpoint). Other formats may be allowed as well, upon agreement of the evaluation committee.

4 Copyright

The copyright and all other rights related to the material, images and documents provided should be in such a way that neither FuseNet, in circulating, nor the lecturers in using, will infringe upon those rights. The producer is responsible for proper references to the source.

5 Budget and procedure

FuseNet expects proposals to an upper limit of 4 kEuro. The allocated budget can be utilized to cover worked hours, by staff or PhD-students, provided they can be claimed through EUROfusion. In case the applicant is not staff from a EUROfusion beneficiary or Linked Third Party, costs can be claimed directly.

Proposals will be evaluated by the committee, including a Board member and participation of the Academic Council and the Student Council of FuseNet. This is a running call. Applications will be continuously evaluated and should be submitted to: feo@fusenet.eu

Submissions should contain:

- Proposed topic and syllabus (with its above-mentioned elements).
- Short introduction of contributors and CV
- Example of a figure/slide (e.g. from earlier work)
- Proposed date for submission of deliverables