



# EUROfusion

PROGRAMME MANAGER OFFICE

EUROfusion - Boltzmannstr. 2 - 85748 Garching - Germany

To the Heads of Research Units of the  
EUROfusion Beneficiaries  
and the University of Malta

PROGRAMME MANAGEMENT UNIT

**Prof. dr. A.J.H. Donné**  
Programme Manager

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Dear Colleagues,

**Subject: Work plan for the Implementation of the Fusion Roadmap in 2021 – 2025  
Call for the Nomination of Task Force Leaders and Deputies**

EUROfusion is presently preparing its proposal for the implementation of the fusion roadmap during *Horizon Europe* – and in particular for the years 2021-2025. A draft proposal has been submitted to the General Assembly and STAC in November 2019, and was subject of discussions during the European Fusion Physics Workshop in December 2019. The comments received are being incorporated in a new draft of the proposal, which is still work in progress.

The purpose of the present Call for Nomination is to invite your Research Unit to propose candidates for the appointment of Task Force Leaders and Deputy Task Force Leaders in the Work Packages Tokamak Exploitation and Wendelstein 7-X.

The Work Package Tokamak Exploitation will be led by a 14 Collegium of Task Force Leaders and Deputies. Since the present JET Task Force Leaders will stay in function until the end of the D-T campaign in 2021, this call focuses on the replacement/renewal of the Task Force Leader (1 position) and Deputies (6 positions) that are running the MST programme. Specifically we are looking forward for nominations of experts in the areas that will be the Mission 1 and Mission 2 headlines of the EUROfusion programme during *Horizon Europe* (see Annex 2).

Wendelstein 7-X is working with a one-team approach with Task Force Leaders from IPP, from International Collaborators and from EUROfusion. Together all Task Force Leaders will organise the W7-X exploitation, in which the EUROfusion Task Force Leader (2 positions) and his/her Deputy organise the EUROfusion part of the campaigns. Specifically we are looking for nominations of experts along the Mission 8 headline of the EUROfusion programme during *Horizon Europe* (see Annex 2).

Presently it is assumed that manpower costs for Task Force Leaders and Deputy Task Force Leaders will be refunded in the range of 50 - 80% (excl. indirect costs); subject to approval by the General Assembly.

Further details of the positions can be found in the Annexes to the present letter:

- Annex 1: Terms of Reference for the Task Force Leaders and Deputy Task Force Leaders;
- Annex 2: Headlines of the Missions 1, 2 and 8 during *Horizon Europe*;
- Annex 3: Chapter 3 of the draft proposal for the Work Plan 2021 – 2025 (which contains a description of the work foreseen in the relevant work packages TE and W7X).





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## Timeline:

12 June 2020: Deadline for submission of proposals  
22-26 June 2020: Interviews  
6-7 July 2020: Appointment of the TFLs and Deputies at the General Assembly meeting.

## Submission of proposal:

Proposals shall be sent by the Head of Research Units to the following e-mail address [anne.graebner@euro-fusion.org](mailto:anne.graebner@euro-fusion.org) not later than **12 June 2020**.

## Proposal content:

The proposal shall contain a motivation letter by the candidate as well as the CV of the candidate with all relevant information. Following GDPR guidelines it is important to send the CV as a separate file, such that it can be deleted after completion of the interviews.

Since the budget for EUROfusion in *Horizon Europe* is not yet approved, activities might be subject to a change in scope and/or a redistribution among different Work Packages. For this reason, candidates are invited to signal their possible interest in different topics.

## Selection process:

Following a first screening of candidates, a selection panel will invite potential candidates for an interview. **The candidates are expected to be available for a 1-hour interview via video conference between 22 and 26 June 2020.** The interview will consist of a presentation by the candidate (max. 20 minutes) followed by questions by the interview board (about 30 minutes).

## Selection criteria:

The candidates will be evaluated according to the following selection criteria:

- Vision for the task forces objectives and structure
- Leadership skills/management capabilities and experience in leading multi-national and multi-disciplinary teams
- Scientific competence in the field
- Good interpersonal and communication skills.

## Requirements:

- Task Force Leader and deputies: PhD or equivalent
- Proven technical scientific competence and experience in the field
- Multi-year experience in managing R&D
- Proven leadership and ability to work and communicate with an interdisciplinary team
- Ability to make sound scientific/economic decisions that maximise project value
- Exhibit good motivational skills to bring out the best in team members
- Strong experience in working with a diverse range of senior stakeholders and external partners
- Good interpersonal and communication skills
- Excellent written and verbal communication skills in English.





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Should you need clarification please contact [xavier.litaudon@euro-fusion.org](mailto:xavier.litaudon@euro-fusion.org) and/or [vona@fysik.dtu.dk](mailto:vona@fysik.dtu.dk)

Yours sincerely,

Tony Donné  
Programme Manager

Encs.:

Annex 1: Terms of Reference of Task Force Leaders

Annex 2: Mission 1, 2 and 8 Headlines during *Horizon Europe*

Annex 3: Chapter 3 of Grant Proposal

cc: A. Fasoli, S. Günter, X. Litaudon, G. Federici, E. Genangeli, V. Naulin





## Annex 1: Terms of Reference of Task Force Leaders

Acting as a team and together with the relevant Project Leaders and the Programme Management Unit, the TFLs<sup>1</sup>:

- Create Annual Work Plans (AWP);
- Set up an experimental team addressing the highest priority issues of the Roadmap, in line with the Consortium Work Plan (CWP)<sup>2</sup> headlines and deliverables;
- Coordinate the use of the EU facilities and theory and modelling capabilities, in the most optimal and complementary way, to achieve the objectives of the CWP.

The TFL team should:

- Propose scientific headlines for the AWP;
- Liaise actively with related activities across all elements of the AWP;
- Stimulate proposals for specific experiments (including possible multi-facility experiments) to be carried out as part of the AWP;
- Stimulate proposals for theory and modelling activities to complement and guide/confront the experiments;
- Organise peer reviews of these proposals via the Task Forces;
- Recommend the experiments to be incorporated in the facility experimental schedules as well as of the level of necessary contingency;
- Following the outcome of the Calls for Participation in the annual work plans, propose Scientific Coordinators for the individual experiments and tasks defined in the Calls;
- Identify areas where the response to the Calls is insufficient or in excess w.r.t. the AWP needs, and propose adequate actions;
- Co-ordinate the preparation, execution and analysis of the experiments and tasks;
- Organise reviews of experimental results and analysis, both via the Task Forces and via Science Meetings;
- Prepare and monitor a plan for publications and conference participation to ensure dissemination of all key aspects of the AWP ;
- Promote, review and endorse publications resulting from the analysis of experiments and the related theory and modelling, making use of the EUROfusion pinboard;
- Maintain a Task Force web site and wiki pages;
- Adhere to the specific reporting and monitoring standards of the involved facilities;
- Provide a summary report of the scientific highlights achieved as input to the annual technical report;
- Provide, upon request of the PM, for more general support to the Programme, for instance in the definition of longer-term priorities.

<sup>1</sup> With Task Force Leaders we refer to the Collegium of Task Force Leaders made up of Task Force Leaders and Deputies

<sup>2</sup> The Consortium Work Plan refers to the EUROfusion Work Plan 2021 – 2025; the Annual Work Plan refers to the Work Plan of a particular year.





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## Annex 2: Mission 1, 2 and 8 headlines during *Horizon Europe*

### **Mission 1**

- M1.1 Demonstrate and qualify MHD stable high performance operation with metallic plasma facing components for ITER and DEMO.
- M1.2 Enhance the physics understanding in order to control the operation of burning plasmas in ITER and DEMO.
- M1.3 Develop integrated scenarios with controllers for long pulse, ultimately steady state, operation for ITER and DEMO.

### **Mission 2**

- M2.1 Detachment control for ITER, DEMO baseline and HELIAS operation.
- M2.2 Prepare efficient Plasma Facing Components (PFC) operation for ITER, DEMO and HELIAS.
- M2.3 Investigate alternative innovative divertor geometries for DEMO.

### **Mission 8**

- M8.1 Qualification of HELIAS optimised stellarator operation and reactor-like operation based on W7-X results and outcome.

