



CfP-FTD-AWP24-DES-05

2021-2025 Consortium Work Plan

Call for Participation

Work Package DES

1. Purpose of the call

The present call, CfP-FTD-AWP24-DES-05 (Analysis of Breeding Blanket R&D activities in the EU and non-EU countries), seeks resources to provide an in-depth analysis on existing Breeding Blanket R&D activities undertaken in the EU and non-European countries, including United States, UK, China, Japan. Emphasis should be on substantiation of recent announcement recently made in the US of UK of coordinated investments to address the remaining gaps using non-neutron test stands facilities, accelerator-based neutron sources etc. The relevance and impact of these initiatives and their impact on the qualification of the breeding blanket for DEMO should be evaluated.

2. Objectives of the Work Package

- To assist the DEMO Project.

3. Brief description of the Work Package five-year workplan

The WPDES supports the DEMO Central Team (DCT) to advance the technical basis of DEMO in order to arrive to an integrated concept design, so that detailed assessments of technical feasibility, reliability, safety, maintainability and costs can be progressively undertaken. WPDES consists of a set of activities, directed by the DCT, to be executed in the appropriate EUROfusion research units, universities and industry, the latter primarily through a dedicated Framework Services Contract. Recently WPDES includes in its workplan feasibility study of a Volumetric Neutron Source (VNS), which positive conclusion is a necessary condition to consider the VNS as an element of the European fusion programme towards DEMO.

4. Eligibility criteria

Only the members of the EUROfusion consortium, i.e. Beneficiaries, are eligible to answer the call. Linked Third Parties (LTP) and industry contributions have to be proposed by the Beneficiary they are affiliated with.

Upon submission, the PMU will perform a formal check of the proposals. Non-compliant or incomplete proposals could be rejected.

The Project Leader (PL)/ Task Force Leader (TFL), supported by the PMU, will perform a further check on scope, competences and general quality, in particular whether the proposal is in line with the Work Package objectives. If needed, the PMU will contact the Beneficiary for further information or an update of the proposal.

5. Submission of proposals

Proposals must be submitted through the EUROfusion Information Management System (IMS), <https://ims.euro-fusion.org/fp9/>, not later than **Friday 30th of August 2024**.

The proposals shall include:

- **Indicative resources** proposed by the Beneficiary. These must be entered directly through the online proposal form in IMS;
- **Call Response Form** prepared outside of IMS following the provided template (Annex 1) to be uploaded to the online proposal form as attachment (PDF or DOCX format);
- **CVs** of individuals proposed for leading roles/positions following the provided template (Annex 4) to be uploaded to the online proposal form as attachment (PDF or DOCX format);
- Any other supporting documents that can indicate synergies between competences required in the Call and the expertise of the proposed team.

The information provided through the different elements of the proposal shall be consistent (e.g. indicative resources in the online proposal form and in the Call Response Form).

For step-by-step guidelines see: Annex 2 - Guidelines for Responders

6. Selection/ Evaluation process

The evaluation criteria are listed in Annex 3 – Guidelines for Selection, section 2.3. Based on the scores and on well-founded written justifications, the PLs/TFLs will then select the contributions for each work package (WP) within the Work Plan 2021-2025.

If needed, during the evaluation period, the PLs/TFLs may contact representatives of the Beneficiaries for further clarification and for negotiation on the activities and the size of the contribution. Upon completion of the assessment, the PLs/TFLs will make a recommendation to the PMU including a justification for the selection of the Beneficiaries' contributions to execute the tasks within each WP, as well as the financial resources required for this purpose.

For further details on the evaluation process see: Annex 3 - Guidelines for Selection

7. Feedback to Beneficiaries

The PMU will communicate to all Beneficiaries the outcome of the selection together with the financial resources' allocation.

For any questions, please contact Krystyna Marcinkiewicz (krystyna.marcinkiewicz@euro-fusion.org).

8. Indicative Timeline of Implementation

Launch of the call: 30th of July 2024

Deadline for proposals: 30th of August 2024

Evaluation, selection, approval: 15th of September 2024