



**To: the members of the General Assembly**

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## **CALL FOR PARTICIPATION TO THE 2025 TOKAMAK EXPLOITATION (TE) EXPERIMENTAL, ANALYSIS AND MODELLING CAMPAIGNS**

Dear colleagues,

I invite you to submit proposals for participation to the Work Package Tokamak Exploitation (WP TE) experimental campaigns in 2025, to be carried out in AUG, TCV, MAST-U and WEST, as well as associated data analysis and modelling work. This call also covers participation to the analysis and modelling tasks for preparing the scientific exploitation of JT-60SA, as well as participation to data validation and analysis of past JET campaigns.

The deadline for your response to the call is **Wednesday, 27<sup>th</sup> November 2024**.

A WP TE General Planning Meeting will be held ahead of the call deadline, on November 18-19, 2024, to provide participants with a vision of the priorities for the 2025 WP TE programme and guide their response to the present call.

In addition, interested scientists are provided with the following documents:

- **Annex 1:** the research topics (RTs) for the WP TE campaigns are listed with their respective scientific objectives. RT01 to RT09 are related to the scientific exploitation of AUG, TCV, WEST and MAST-U, as well as analysis and modelling of the last JET campaigns. RT10 and RT11 are related to JET data validation and analysis and modelling of JET campaigns before 2023 respectively. Finally, RT12 to RT18 are related to analysis and modelling of the JT-60SA OP1 phase as well as preparation of future campaigns. When applicable (RT01 to RT09), an indicative shot allocation on AUG, TCV, WEST and MAST-U in 2025 is also given (note that this allocated time is subject to changes). In addition, this list also includes: the name of the pre-selected Research Topic Coordinators, the contact Task Force Leaders, and the list of competences to refer to in answering the call. **Interested participants should read this document carefully before entering their details into IMS and should refer to the scientific objectives assigned to the RTs when elaborating their work-plan.**



**Annex 2:** a provisional schedule for the TE devices with experimental campaigns planned in 2025 : AUG, TCV, WEST and MAST-U. A tentative timeline and additional information for JT-60SA are also given.

**Annex 3:** guidelines on how to use IMS for answering this call for participation. Note that the WP TE call under the IMS system applies to all devices and that participants should provide their answer into a single IMS entry for all devices. Further information regarding the usage of the IMS system can be provided by the Programme Management Unit (PMU), Sara Moradi: [Sara.Moradi@euro-fusion.org](mailto:Sara.Moradi@euro-fusion.org).

The following guidelines should be kept in mind when replying to this call:

- Please note that 1 person month equals 17.5 days (210 days in 12 months)
- The **Research Topic Coordinators (RTCs)** (who have been already pre-selected) need to enter their participation for managing their RT in IMS, in addition to any modelling or data analysis work. A total participation of more than **2 person months per year** is strongly recommended.
- Focussing participation on a restricted number of RTs with a total participation in the WP TE programme of **at least 1 person month per year** (including home lab work) is recommended.
- Proposals for participation addressing issues raised by the **ITER new baseline** are encouraged.
- Specific resources will be dedicated to **interpretative modelling** of present experiments as well as for **extrapolating findings from present WP TE devices** to ITER and DEMO. Participants are therefore encouraged to submit proposals for modelling in addition to data analysis work.
- Modelling in support of the **transition of JT-60SA to a tungsten device** is also welcome.
- On-site visits outside the experimental EUROfusion weeks can be accepted on a case-by-case basis via a **mission** application and will be considered according to the mission guidelines published on the WPTE wiki.
- Note that participants to the JET campaigns analysis are encouraged to propose **on-site days at JET**, as dedicated analysis meetings will be organized at the JET premises in the course of 2025.
- Note that **missions to the lab hosting JT-60SA (QST)** will be considered on an individual basis and will need to follow the specific QST rules.



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- Note that participation to JT-60SA (RT12 to RT18) is **pending final approval of the participants workplan by the JT-60SA Experimental Team leaders**, which is expected in March 2025.

Should you have any question related to this process, you can contact the PMU: [Sara Moradi](mailto:Sara.Moradi@euro-fusion.org), and the WPTE Task Force Leaders using the TE-TFLs generic address [TE-TFLs@euro-fusion.org](mailto:TE-TFLs@euro-fusion.org). You can also visit the WP TE wiki pages:

[https://wiki.euro-fusion.org/wiki/WPTE\\_wikipages:\\_Tokamak\\_Exploitation\\_Work\\_Package](https://wiki.euro-fusion.org/wiki/WPTE_wikipages:_Tokamak_Exploitation_Work_Package)

We also remind you that you can subscribe to the WP TE task force mailing list from this website.

I am looking forward to a strong involvement of your Research Unit in the use of the WP TE facilities under EUROfusion for the 2025 experimental campaigns.

Yours sincerely,

**Ambrogio Fasoli**  
**Programme Manager**

Cc: Research Unit Administrative and Scientific Contact Persons, WP TE Contact Persons, EUROfusion Project and Task Force Leaders, EUROfusion Programme Management Unit

Encl:

- Annex 1: WP TE programme for the Campaigns in 2025: Overview of research topics and categories of required competencies
- Annex 2: Tentative schedule of the WP TE devices
- Annex 3: IMS guidelines for answering the WP TE call for participation for 2025

