

Physics Project Board #08

Garching 16-17 March 2026

Introduction from EUROfusion Programme Manager

G. Federici



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Outline

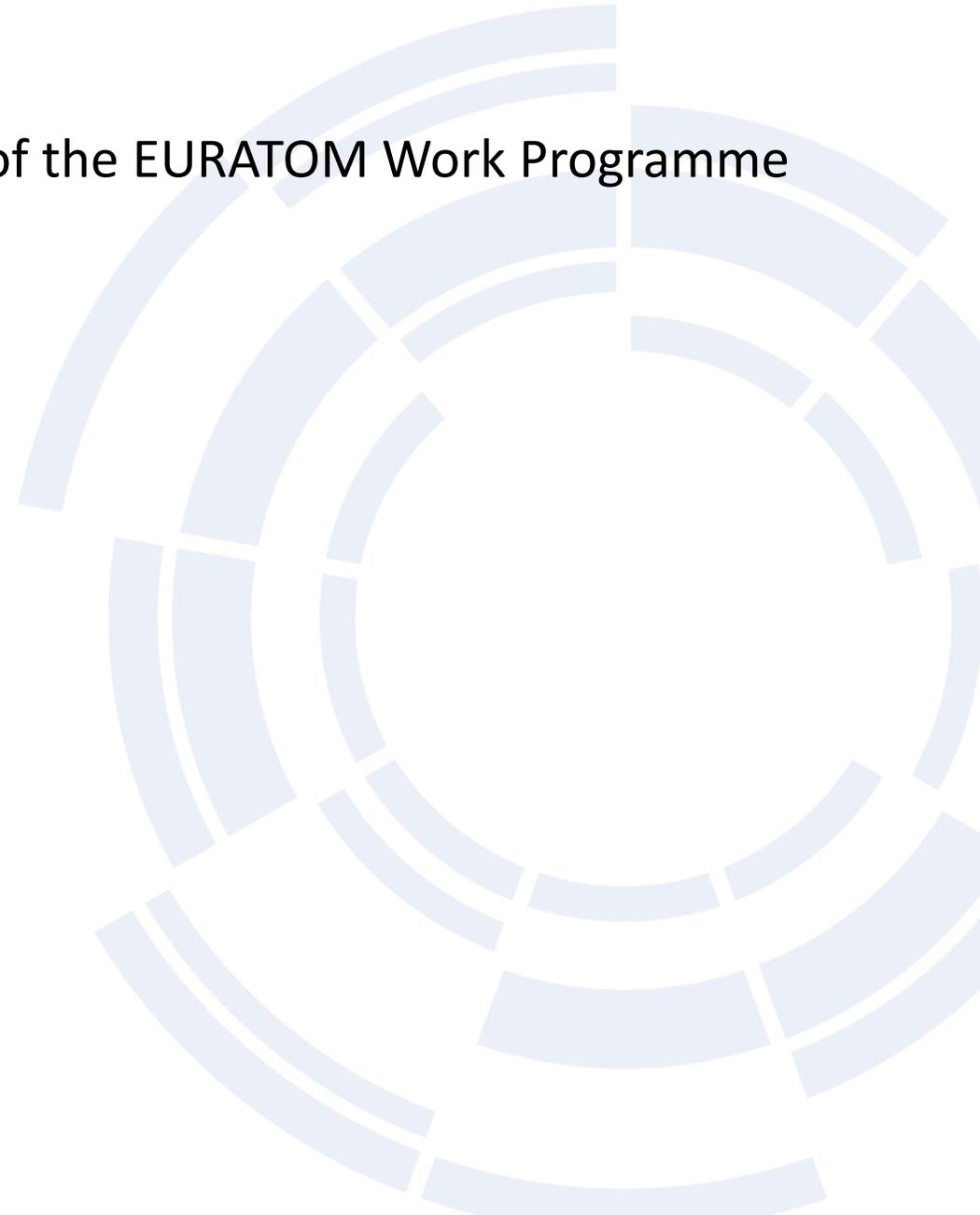
- **Work Plan Extension**
- **WG of the Pilot Plan**
- **Int. Collaboration with emphasis on collaboration with Canada**
- **EU Fusion Strategy**
- **Role of the PPPs**





Work Plan Extension

- There are delays related to delay of the approval of the EURATOM Work Programme
- Financial details to be provided by ADMIN





Outcome WG on the Pilot Plant and course of activities

- Report is available with findings and recommendations
- Missions and requirements are more less agreed
- GA agree that any further comparative studies of Pilots and TRLs must keep Mission and Requirements
- DCT continue concept design of a Pilot A including physics optimization study to consolidate operation risks and space
- STAC is conducting a TRL assessment (TRA) liaising with WP leaders benefitting from all work done in the past for DEMO
- CEA conducts a physics optimization of Pilot B to identify options that could reach the nuclear performance of P-A and the implication in terms of cost and schedule.
- New elements that demonstrate that P-B is better than P-A must be brought forward by latest end of March.
- EC want to see clearly a concept design of only one Pilot Plant
- **I advocated in the Bureau the urgency to come up with a clear plan and this hinges on selecting one Pilot**



Risks arising from the Work Plan Extension

- At the last Bureau (March 11), the EC recalled that the WP must focus on the development of the conceptual design of a Pilot Plant serving the abovementioned technological purposes.
- They find the description of the Fusion Pilot Plant and the underlying activities in the WP too vague and indicate that this might be a point on which the evaluators may turn down the current proposal.
- I am seeking advise from the GA Chairs on how to proceed.



Consultations have begun towards collaboration with Canada with strong support from the EC



Canadian Nuclear Laboratories | Laboratoires Nucléaires Canadiens

- There is significant expertise available in **Canadian Nuclear Laboratories** in the handling of **Tritium** and **tritiated waste**
- Technical visits to local sites foreseen in the week May 18
- The aim is to establish collaborative activities in the identified areas as quickly as possible

• **Tritium Fuel Cycle design**

- Design and performance verification of systems
- Strategy for the qualification of the fuel cycle in support of the design
- Integrated functional qualification of the fuel cycle
- Strategy for qualification for operation
- Failure rate analysis approach
- Normative baseline for commissioning

• **Safety**

- T monitoring systems and instrumentation (workers, rooms, stack releases)
- Training on T handling and dosimetry
- Licensing documentation and lessons learnt
- Environmental impact assessment
- Dispersion code
- Radiological impact assessment (tritium marking)
- Support to site selection process

• **Waste management and Decommissioning**

- Categorization of T waste (technics)
- Waste treatment practices
- Packaging
- Public transport
- Lessons learnt from operation and dismantling



WORK *in*

PROGRESS



Euratom Work Programme 2026 – 2027 (Draft not yet published)

[Euratom Programm 26/27](#)



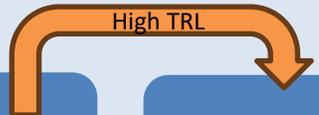
& Soft innovation prize

Actions

Continuation of EUROfusion
(not subject to Call for proposal, see Article 195 (e) of Financial Regulation)

European PPP on fusion energy
(co-programmed)

Fusion under EIC
EIC Fund - European Innovation Council - European Commission



Advancing foundational science & Technology
(Low TRL)

Support development & joint exploitation of research infrastructures

Existing New

Education & Training

- Contrib. from PRIVATE partners and calls for projects based on SRIA
- Allowing selected Consortia to deliver crucial advances of higher techn. maturity

Calls for Innovation Actions launched in under PPP

Call 2026
 10 M€

Call 2027
 15 M€



Address needs of emerging start-ups
(Focus on alternative concepts & enabling technologies)

Targeted contributions
 Aim: enable scaling up and mature concepts and technologies

based on prep. work & feedback from EUROfusion & considering industry interest in technology maturity

Covers broader scope & be amended to align with SRIA when published



FP10 – Tentative questions

- The Bureau agreed to set up WG to prepare FP10
- This is entangled with a number of elements where there are still significant uncertainties
 - Lack of a clear EU strategy
 - Role of PPP(s), EUROfusion, F4E et al.
- We are no longer the only actors to implement the EU fusion strategy
- The PPP is meant to implement the SRIA that currently including all R&D fusion activities?
- Still misalignment between the SRIA and EU Fusion Development Strategy (priorities).
- Will the research activities be subject to an open Call?
- Will the Call be done and result in various Consortia?
- What is the funding instrument (e.g. grant for Euratom co-funded partnership)?
- Will FusionNow members be required to form / participate in Consortia to implement tasks or will they contribute through their PPP?
- Is it advisable that EUROfusion beneficiaries become member of FusionNow?
- What are the eligibility criteria?



EUROfusion values

FAIRNESS



Transparency
Collaboration
Loyalty

OPENNESS



Open doors
Open hearts
Open minds
Open ears

COMMITMENT



Ownership
Critical thinking
Determination
Respect

DIVERSITY



Cooperation
Equal opportunities
Inclusion