



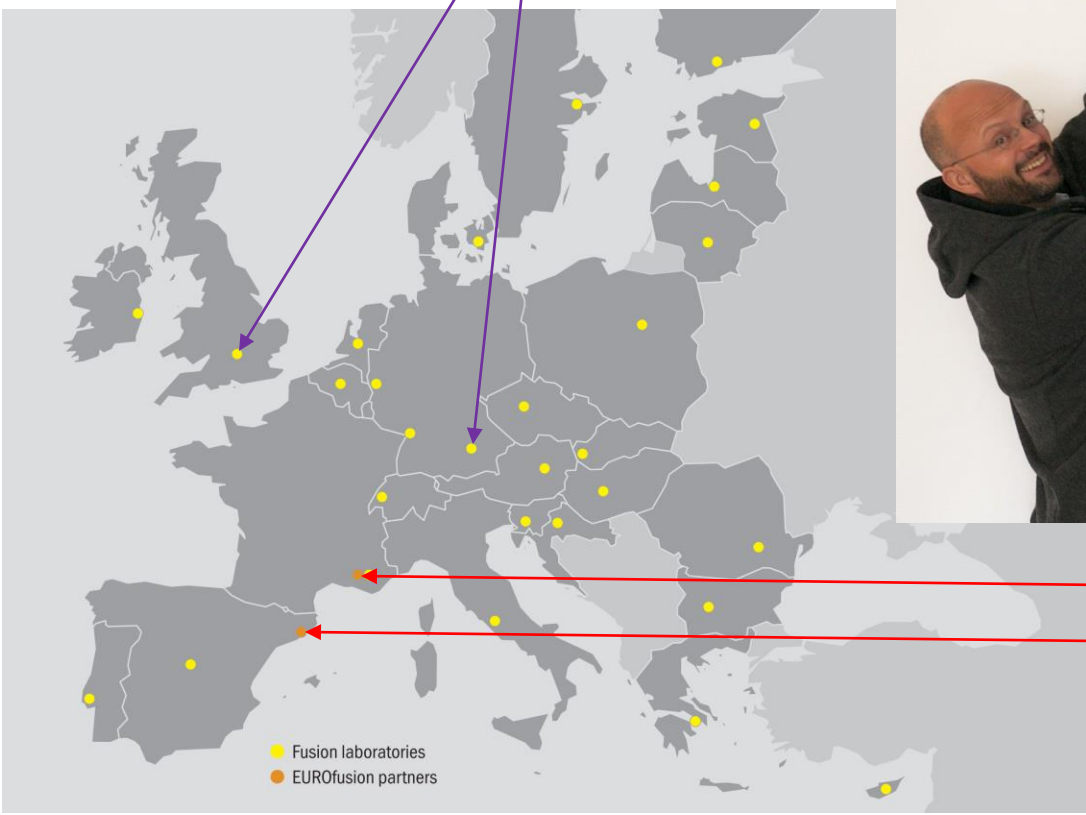
# EUROfusion

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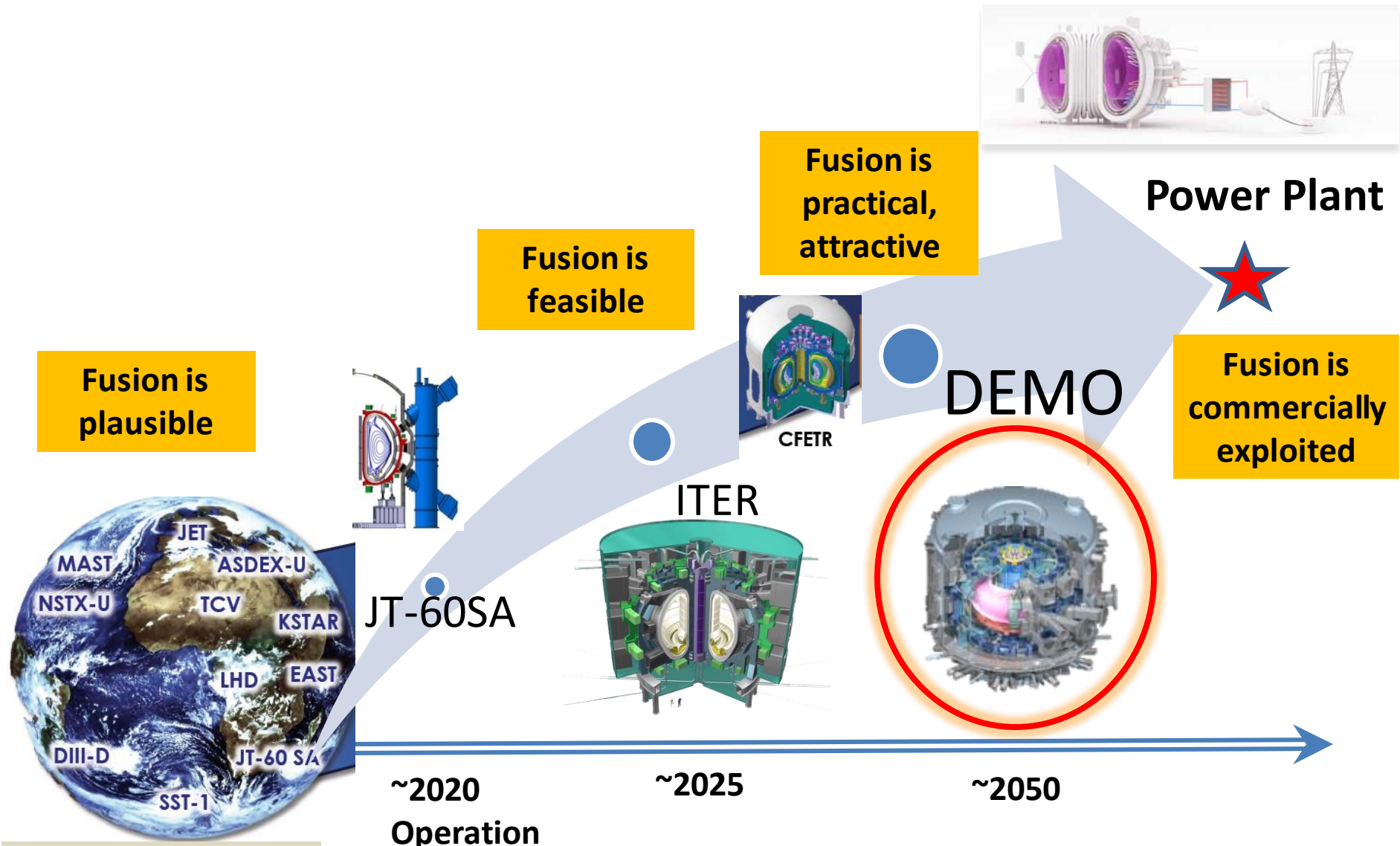
## Programme Management Unit



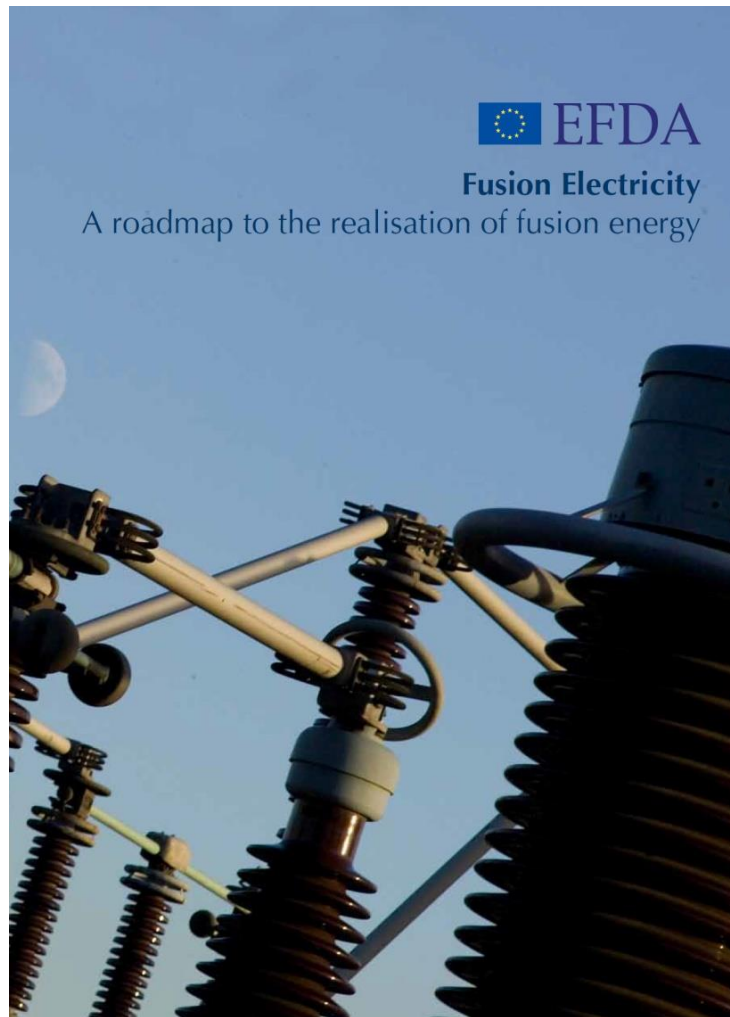
ITER  
Fusion for Energy (F4E)

**All EU Member States plus Switzerland have joined the EUROfusion agreement involving 29 fusion laboratories and numerous Third Parties. Their combined effort will achieve the ultimate goal: fusion electricity by 2050**

# Roadmap towards fusion electricity



**Fusion facilities around the world**



<http://www.euro-fusion.org/>

## Eight important missions

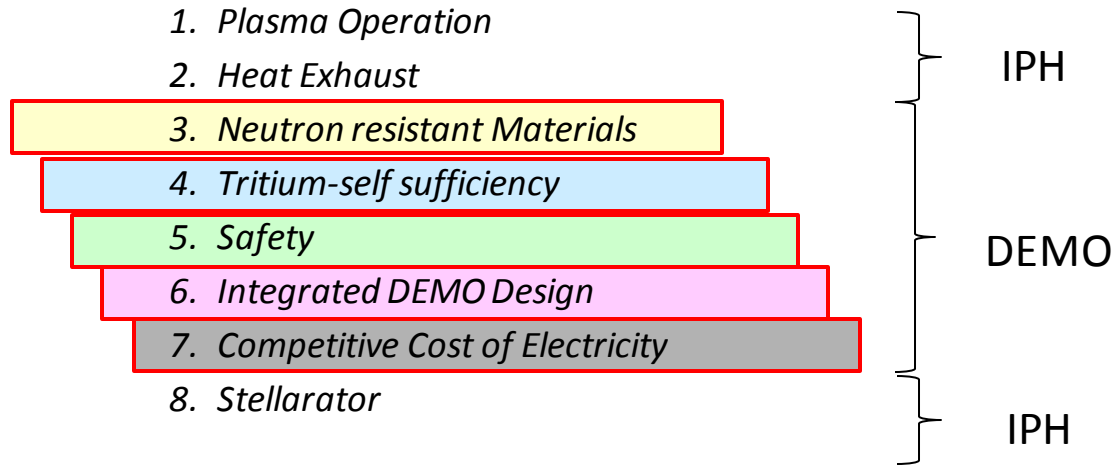
- For each mission:
  - overview present status
  - list of unresolved and urgent issues
  - research & development plan
  - estimation of required resources

## Three periods

- 2014 – 2020  
(Building ITER & Supporting Experiments)
- 2021 – 2030  
(Exploiting ITER and Designing DEMO)
- 2031 – 2050  
(Building and Exploiting DEMO)

**Important to intensify the involvement of industry**

## 8 Strategic Missions to tackle the critical challenges for Fusion:



### Emphasis on:

- ❖ Central role of ITER
- ❖ DEMO as a single step to commercial fusion power plants that produce electricity and have a closed fuel cycle
- ❖ DEMO construction starting early in the 2030s
- ❖ Pragmatic Approach: It should not be perfect but good enough and must come on time to make an impact

