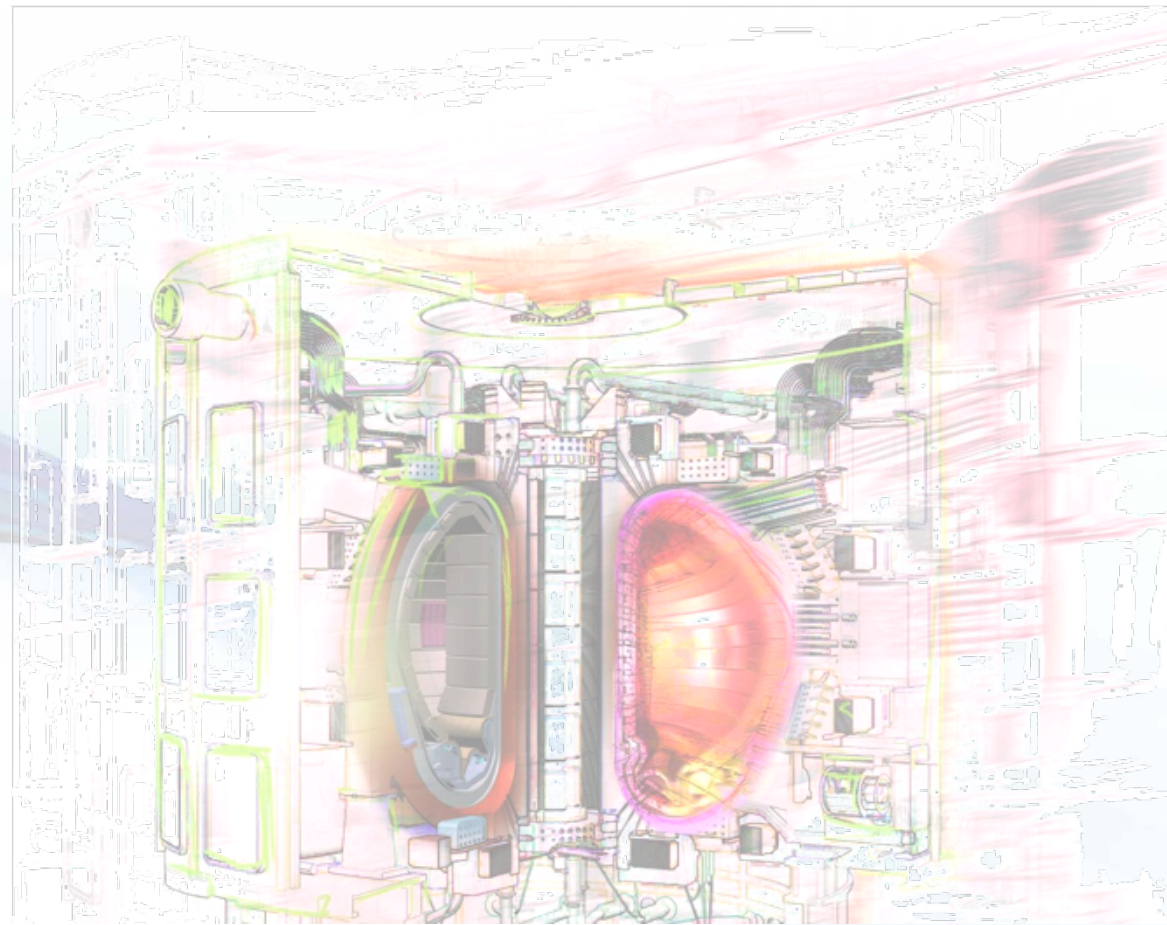


Perspectives (summary)



**International Workshop on MFE Roadmapping in the ITER Era
Princeton University, 7 -10 September 2011**

D. Maisonnier



**EUROPEAN
COMMISSION**

**EU - BUILDING AN
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Critical questions arising from this workshop

It is essential to better define the missions and requirements of the facilities/ devices being considered: DEMO, CTF, FNSF, Pilot Plant, etc.

Any facility should be integrated in a comprehensive roadmap up to commercial fusion. Gaps left between each facility and the first FPP should be identified.

Roadmaps should be credible. We cannot propose too many facilities after ITER.

Need to increase efforts in Fusion Nuclear Technology, in addition to the TBM programme managed within the ITER framework. It would probably be beneficial to share and coordinate the efforts in the various programmes.

Work in progress on pulsed vs. steady-state should continue.

How best to prepare future ITER operation?

Actions coming out of this workshop

Set up mechanisms / discussion fora for:

- ❖ **Systems code benchmarking**
- ❖ **Materials development programme**
- ❖ **Review merits of non-nuclear facility (primarily for PMI) and of nuclear facility (primarily for FNST) for the development of fusion energy**

Consider revising the format of the IAEA TM on First Generation Fusion Power Plants (every 2 years, last one in June this year). Possible breakdown of sessions: Roadmapping, Next Step Facilities/DEMO, Power Plants.

(3 members of the IAC are attending this workshop and support this proposal)