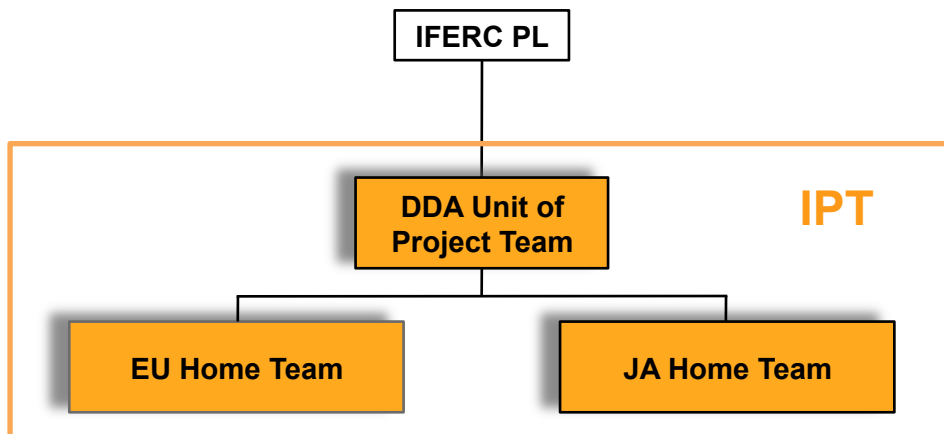


DEMO Design Activity

DEMO Design Activity has entered in a new phase

The Demo Design Activity (DDA) in IFERC has entered in the Phase 2 since this January and a DDA-unit has been organized in the IFERC. The research in the DDA is promoted by the Integrated Project Team (IPT) which consists of the DDA-unit and both home teams in EU and Japan.

The research plan of the Phase 2 is divided into three terms, 2A, 2B and 2C. The Phase-2A is scheduled from January 2011 to December 2012, where the works in DDA will be concentrated to the consolidation of knowledge to define a sound common basis for DEMO design and the priorities for R&D tasks, for example, 1) the definition of design criteria and cost models, 2) the analysis of key design issues and options, and 3) the preparation and start implementation of system design code. The Phase-2B is scheduled from January 2013 to December 2014. This term will be offered for the detailed studies on key design issues and the adjustment of design criteria including cost models. Some sets of Demo-plant parameters will be also evaluated as a function of uncertainties. The Phase-2C is scheduled from January 2015 to December 2017. During this final term of DDA, some pre-conceptual design options for DEMO will be developed and then a valuable database will be established toward the post-BA project. It is expected that this design activity will also suggest specific R&D activities, some of which to be carried out on ITER, or on the Satellite Tokamaks (JT-60SA) and other facilities.



Organization of Integrated Project Team for Demo Design Activity