



ITER Project & ITER Organization Overview

**The International Forum on Fusion Energy
and ITER**

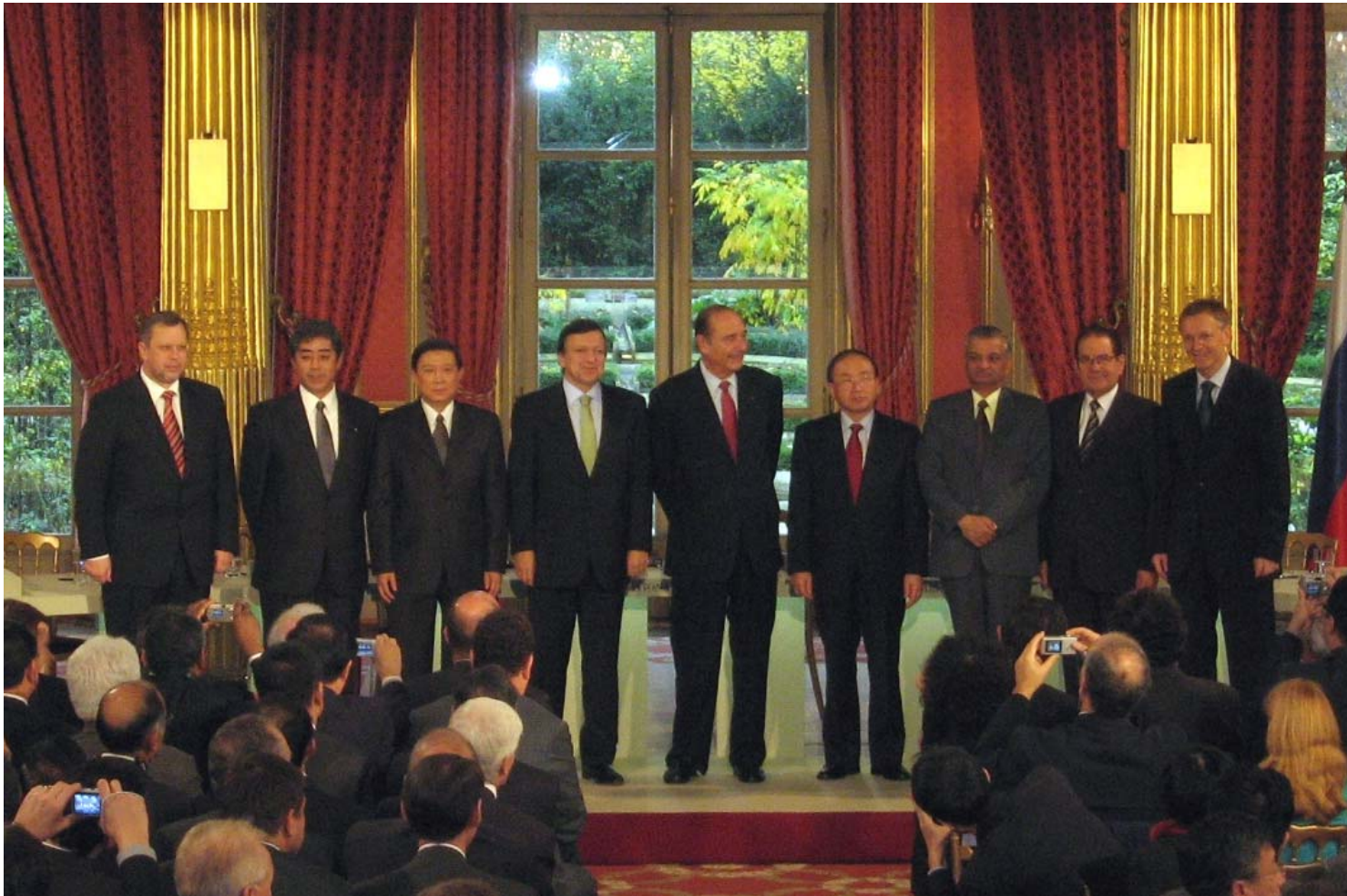
13 July, 2007, Tokyo

**Kaname Ikeda
ITER Nominee Director-General**



ITER Agreement signed in Nov. 2006

ITER Organization provisionally started in December 2006



Ceremony ITER Agreement Signature, Elysee Palace, 21 November 2006



Location: Cadarache, France



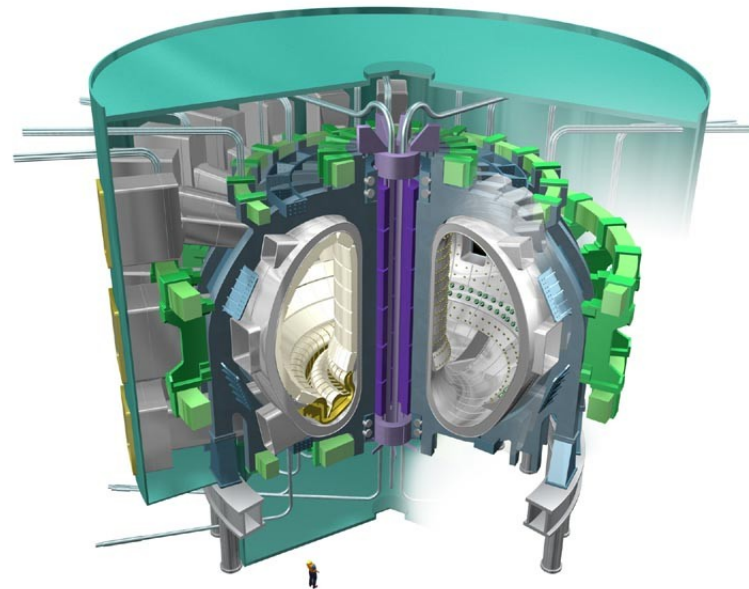
— = Itinerary ITER components





ITER – Key facts

- Mega-Science Project among 7 Members: China, EU, India, Japan, Korea, Russia & USA
- Objective: to demonstrate the scientific and technological feasibility of fusion power
- Designed to produce 500 MW of fusion power for an extended period of time
- 10 years construction, 20 years operation
- Cost: 5 billion Euros for construction, and 5 billion for operation and decommissioning



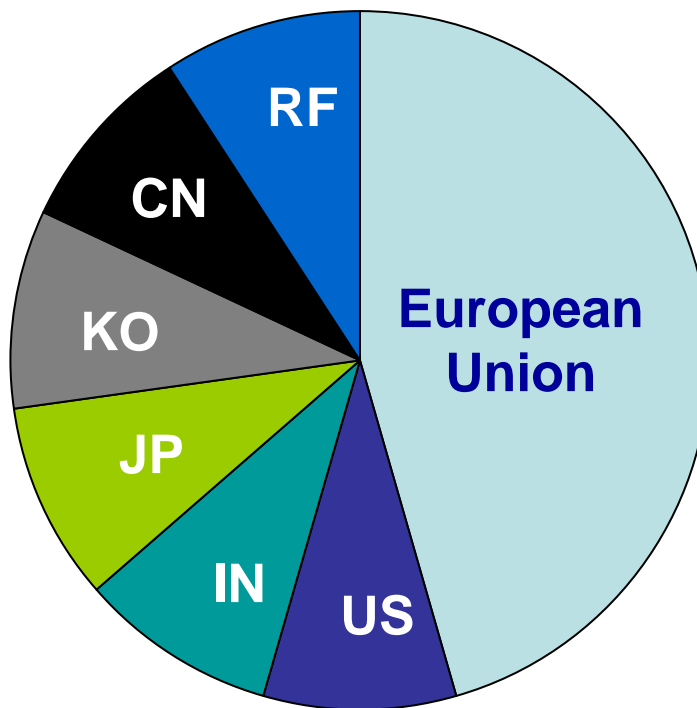
ITER Site and Cadarache Centre



Construction (2007-2016) Sharing

Overall sharing:

EU 5/11, other six parties 1/11 each. Overall contingency of 10% of total. Total amount: 3577.7 kIUA (5079 M Euro-2007)



Total procurement value : 3020.7

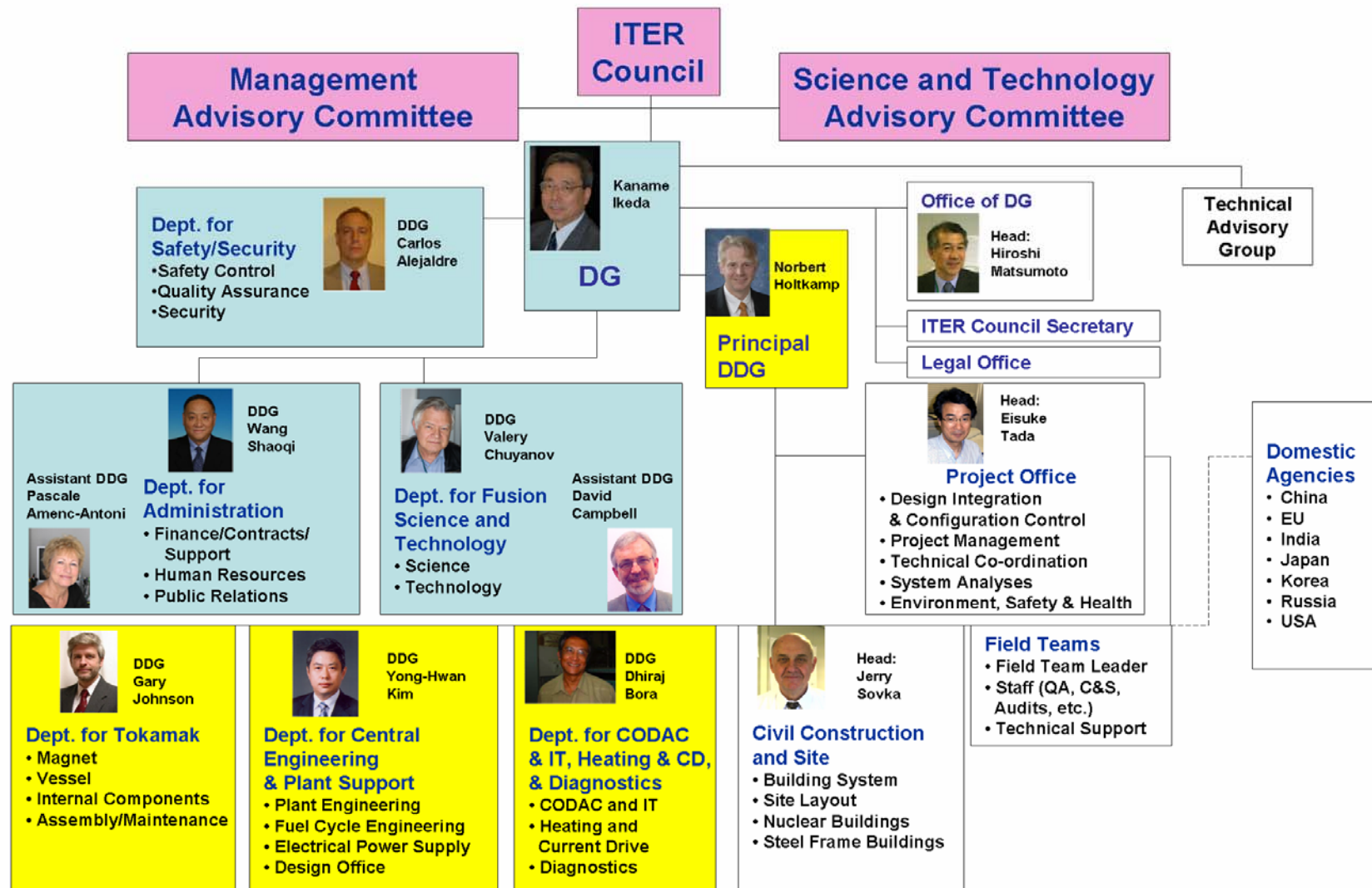
Staff: 477

R&D: 80

Total kIUA: 3577.7

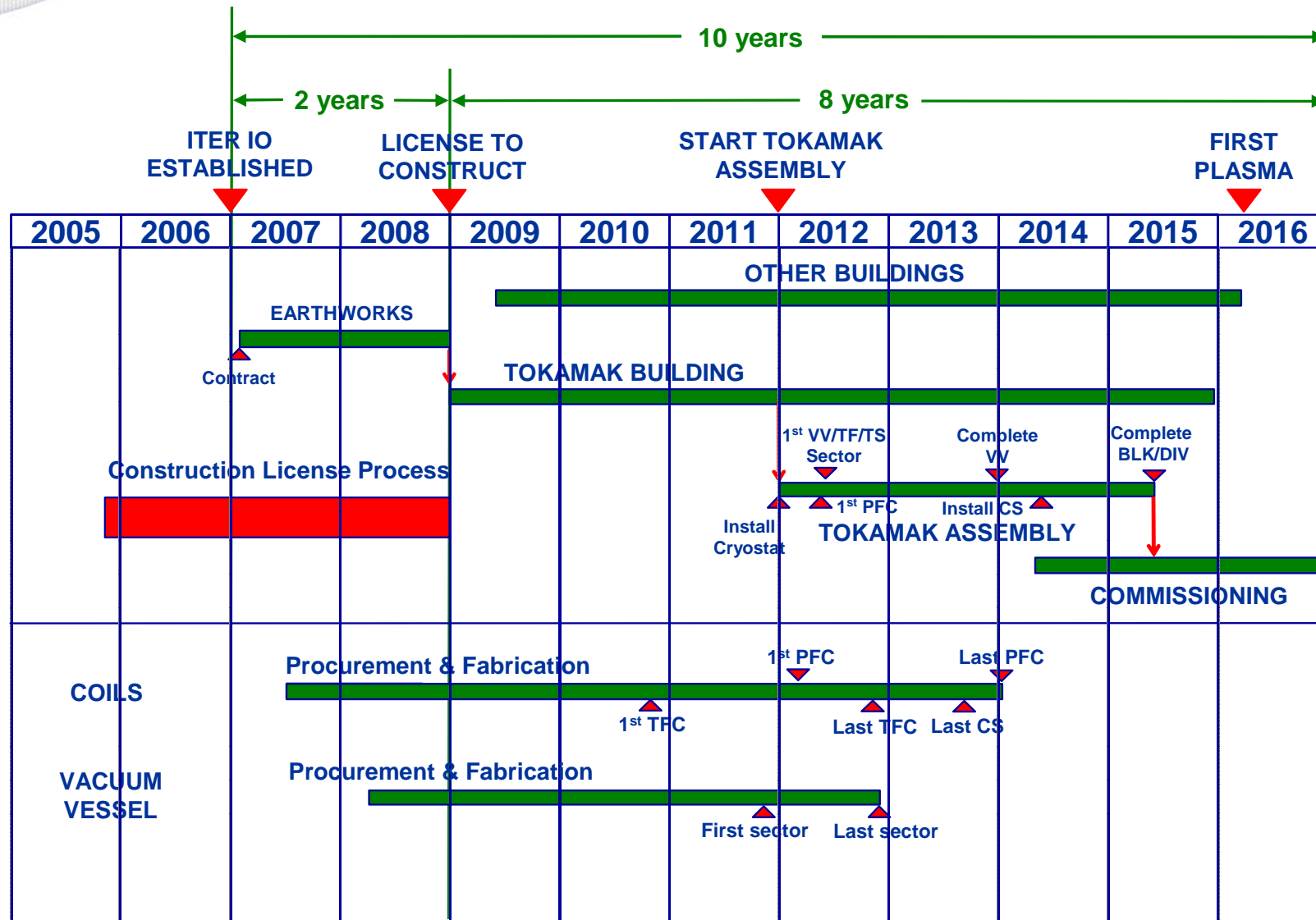


Management Structure of ITER Organization





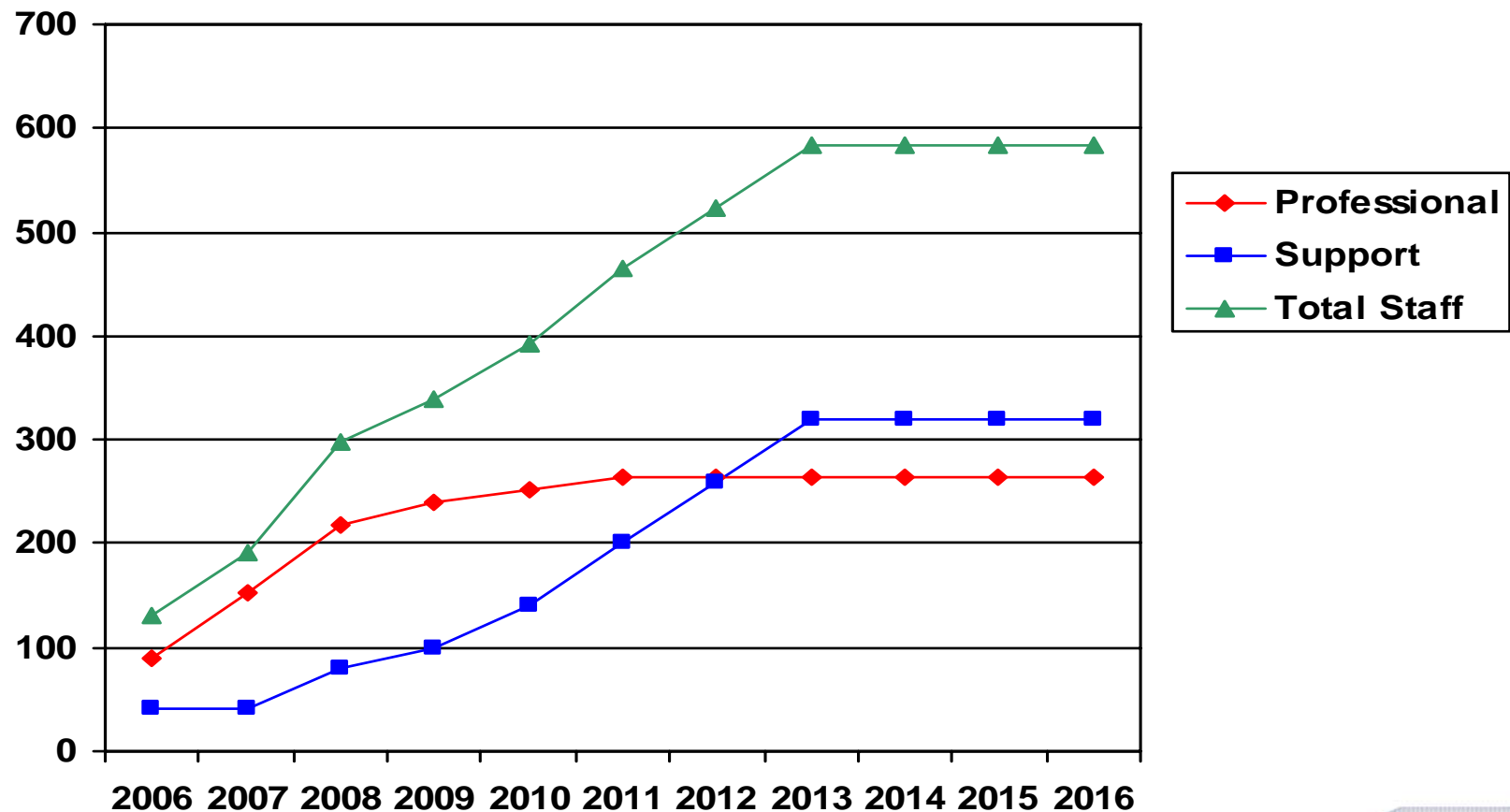
Integrated Project Schedule Basis





Long Term Staffing Plan during the Construction

- Total of 2250 (PPY) professionals and 1860 (PPY) support staff to be consistent with 477 kIUA is planned





Design Review

- Launched: November last year
- Goal: to arrive at new baseline design this year through endorsement by the ITER Council
- Involves all fusion community
- Will intensify the involvement of all stakeholders in the ITER Project
- Procedure:
 - Until December 2006, experts from around the world have contributed possible design issues through *issue cards*.
 - 8 working groups have collected and prioritized the issue cards and are preparing a workplan to resolve them.
 - The workplan was reported to a Technical Advisory Group in April.
 - Baseline Design 2007 is due to be delivered to the ITER Council / Science and Technology Advisory Committee in the third quarter of 2007.



Licensing milestones

- First draft of RPrS, **summer 2007**
- Internal safety review, **autumn 2007**
- Formal submission of RPrS, **end 2007**
- Reviewed by ASN, IRSN, “Groupe Permanent” **during 2008**
- Public hearing, **mid-2008**
- Construction permit, start of the nuclear related buildings construction **beginning of 2009**



Interactions with the Host

- In order to lay a solid foundation for the start of IO, two critical agreements with the Host, the French Government, were already concluded, which will need approval of ITER Interim Council:
 - Site Support Agreement
 - Headquarters Agreement
- IO is in discussion with the Host on the protocol for the International School.



International School (IS)

- French Government and PACA Region will build a new school building at Manosque by summer 2009.
- Lycée des Iscles next to the site of IS was chosen to host IS from September 2007 with capacity of 200 pupils from age 3 to 18.
- Protocol between French Government (Ministry of Education) and IO will be formalized later.



External Relations and International Cooperation

- For the benefit of the development of ITER project, the negotiations of several international cooperation agreements are currently underway:
 - Cooperation Agreement with IAEA
 - Cooperation Agreement with CERN
 - Cooperation with Monaco



Full establishment of ITER Organization

- Ratification process of the ITER Agreements within all Parties is to finish soon.
- Full establishment of ITER Organization as International Legal Entity is expected this summer.
- The first ITER Council Meeting is scheduled on November 28-29, 2007 at Cadarache.



Thank you!