



**FUSION
FOR
ENERGY**

BRINGING
THE **POWER**
OF THE **SUN**
TO **EARTH**

Resolving issues on the path to public-private collaboration: Big Science - The ITER experience

Víctor Sáez
Market Analysis Group Leader

ENRIITC Webinar
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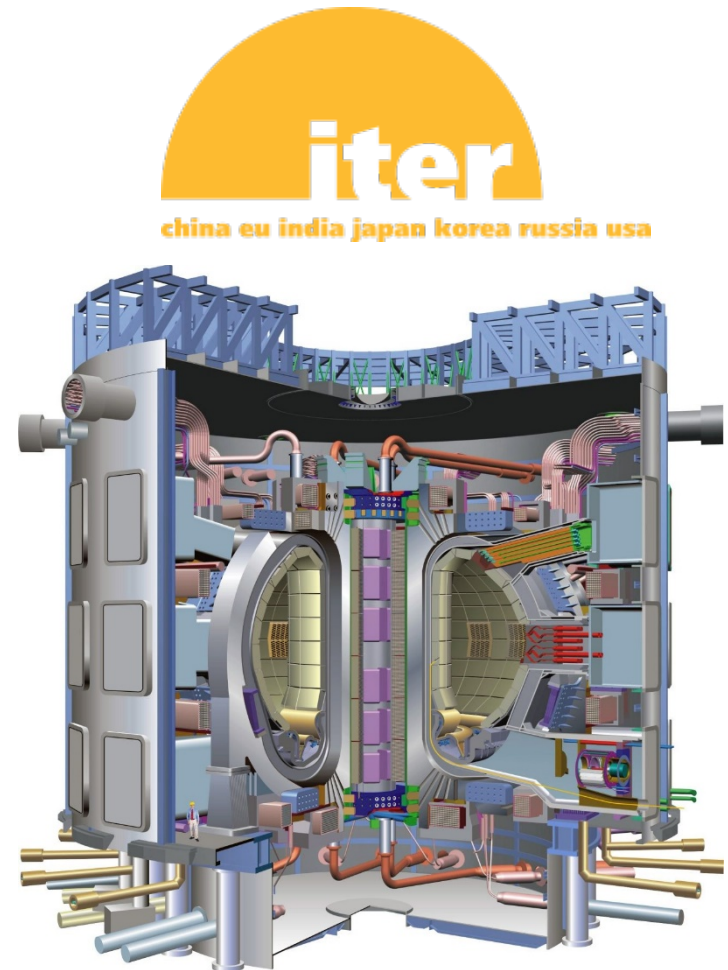


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The experience of Fusion for Energy and the ITER Project

- ▶ ITER is an international research project aimed at demonstrating the scientific and technological feasibility of fusion energy as an alternative for the future.
- ▶ F4E is a EU public organisation created in 2008 to deliver the EU contribution to the ITER Project.
- ▶ Headquarters: Barcelona, Spain
- ▶ Staff: 460+
- ▶ Budget
 - ▶ 2007-2020 ~6.6 BEUR (~ 500 MEUR/yr)
 - ▶ 2021-2027 ~5.2 BEUR (~ 750 MEUR/yr)
- ▶ **+ - 750 partners across Europe**

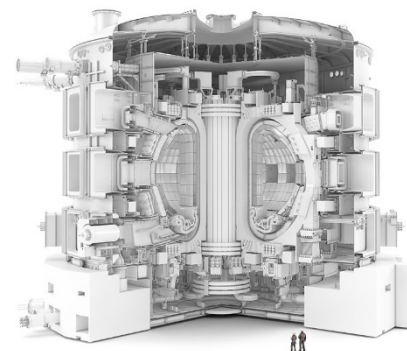


The experience of Fusion for Energy and the ITER Project

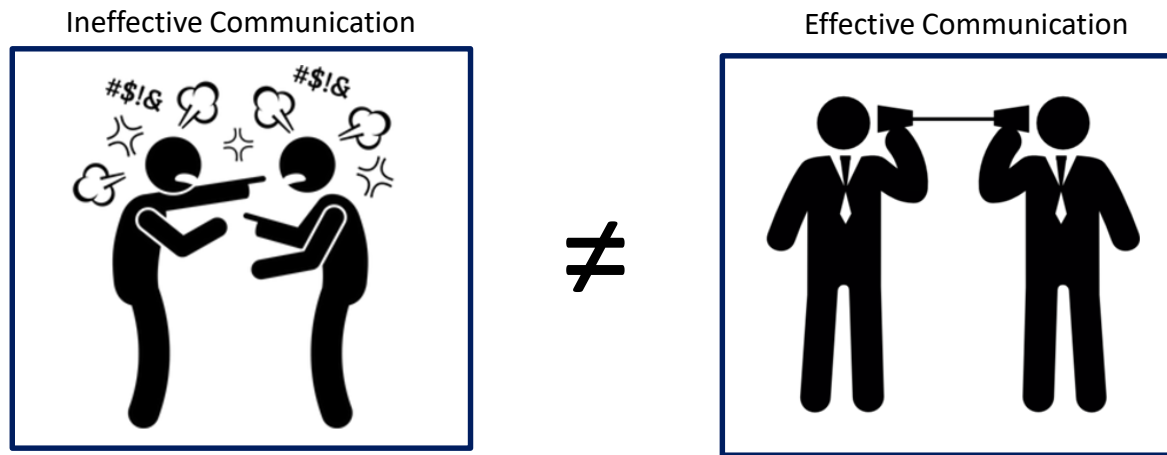


The context: the public nature of the BIG SCIENCE organizations dictates the conditions under which the collaboration with private entities takes effect.

- Big size: complex projects/complex management
 - Big challenges: technical risks/one of a kind
 - Big money: financial capacity/financial risks/public procurement rules
 - Long-term: long commitment
- ... and “*unique*”



The key to resolving issues on the path to public-private collaboration in Big Science is communication.



Market Consultation
Art. 40 Proc. Directive

Procurement rules &
contractual conditions

SRM

Understanding the motivation of your business partner

Fulfil a Big Science
project in time/budget

Pushing the frontiers of
technology / physics /
science

Industrial Policy

Social benefit of
research infrastructures



Carry out an economic
activity with success

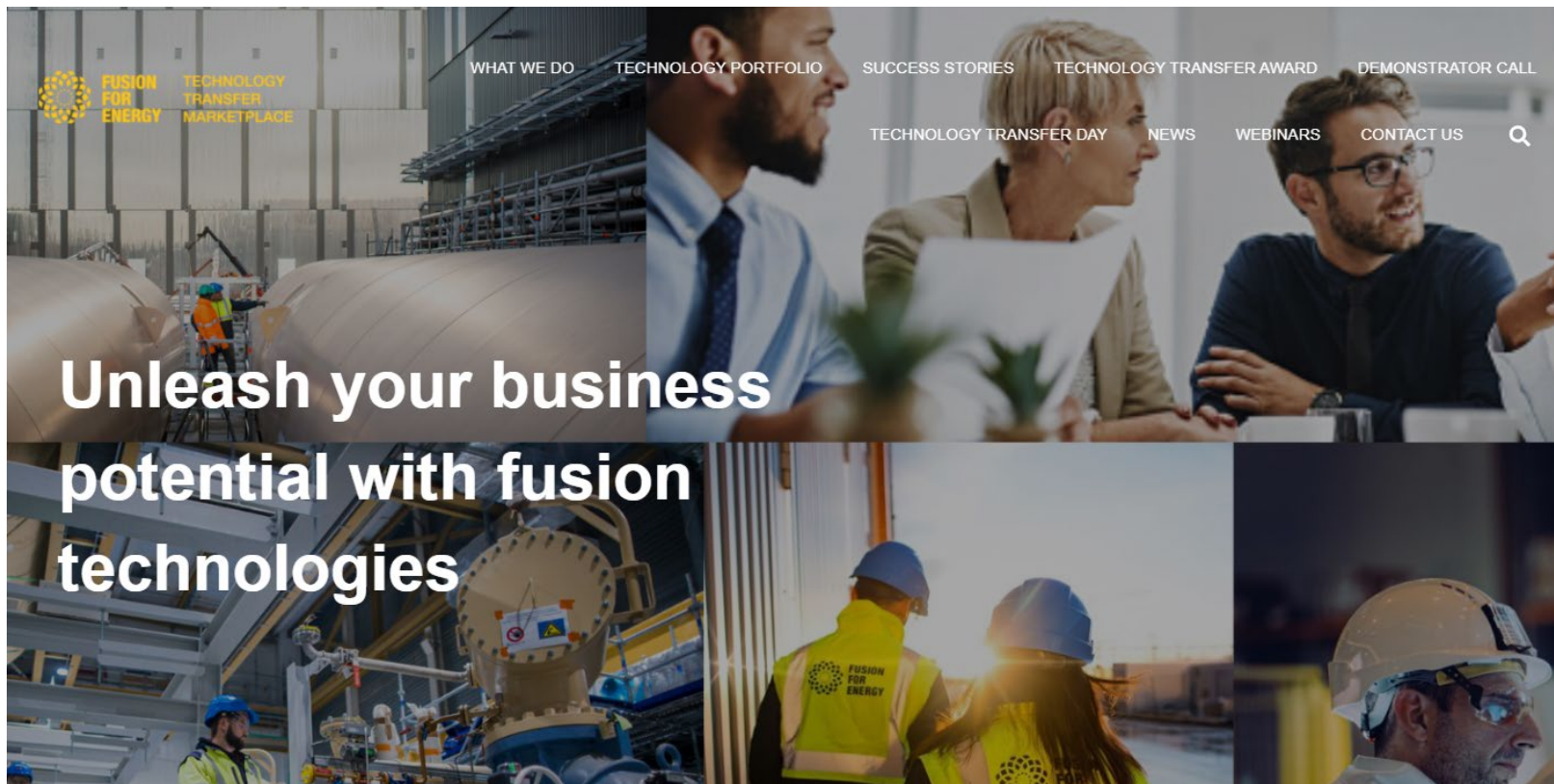
Become more
competitive

Consolidate a
customer/supplier
relationship

Prestige and reputation

Networking

Why BIG SCIENCE organizations carry out Technology Transfer activities? To have an impact in society and





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