Fusion for Energy
The European Joint Undertaking for ITER and the Development of Fusion Energy

ITER
10 April 2008

Domestic Agencies Communications Group Meeting
Fusion for Energy
Fusion for Energy Governance

- Fusion for Energy is the EU Domestic Agency for ITER
- Established in April 2007 for a period of 35 years
- Membership:
  - Euratom Member States
  - Euratom
  - Switzerland
- Governance:
  - Governing Board (58)
  - Executive Committee (13)
  - Technical Advisory Panel (13)
- Seat located in Barcelona, Spain
• The Commission proposed to create a new organisation with a legal personality to meet its obligations towards ITER and the Broader Approach Agreement signed with Japan.

• After consultation with the Member States and the fusion research community the new organisation will also include a programme to prepare for Demonstration Fusion Reactors (DEMO).

• Under the Euratom Treaty, a Joint Undertaking was the most appropriate legal basis based on the experience of the Joint European Torus in the UK (1971-1999, EFDA thereafter).
The objectives of Fusion for Energy are threefold:

- Provide Europe’s contribution to the ITER international fusion energy project;
- Implement the Broader Approach agreement between Euratom and Japan;
- Prepare for the construction of demonstration fusion reactors ( DEMO ).

All three objectives form part of the “Fast Track” approach to fusion.
Fusion for Energy Status of Progress

- Financial frameworks are approved by the Board and are being implemented.
- Model grants and procurement contracts under approval by our Executive Committee
- Project Plan, Resource Estimates Plan, 2008 Work Programme and Budget approved
- First administrative Calls for tenders launched and closed
- First operational Call launched-still open
- Senior management team appointed since mid April
- 100 members of staff appointed and more positions to follow.
Fusion for Energy Organisation Chart

Director

Office of the Director
- Secretariat for F4E bodies & committees
- Quality Assurance
- Legal Service
- International Agreements
- Press, Public and External Relations
- Interinstitutional Relations

ITER
- Site, Buildings and Power Supplies
  - Machine Systems
    - Magnets
    - Vacuum Vessel
    - Intercool
    - Remote Handling
  - Heating, Cooling & Plasma Engineering
    - Heating & Current Divert
    - Diagnostics
    - Plasma Engineering
    - CD4C
- Project Office
  - Planning & Scheduling
- Engineering Support
  - Drawing Office
  - Materials & Fabrication
  - Analytical & Code
  - Safety

Plant Systems
- Vacuum & Tritium Plant
- CryoPlant
- Test Blanket Modules
- Material Development

Broader Fusion Development
- Broader Approach
- Site Life Tokamak
- International Fusion Materials Irradiation Facility
- International Fusion Energy Research Centre DEMO
- Demonstration Fusion Reactor Activities

Contracts and Procurement
- Legal & Support
  - IPR and Technology Transfer
  - Business Intelligence and Reporting
  - Procurement Support

Resources
- Human Resources
  - Budget and Finance
  - Accounting
  - IT Systems
  - Infrastructure, Logistics and Privileges
  - Information and Communication

F4E Organisational Structure – 1 April 2008
Fusion in the media
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Communicating Fusion
Can we afford not to communicate Fusion?

82% of Europeans know that the way they consume and produce energy has a negative impact on climate.
Public understanding of Science
Background
(Eurobarometer December 2007)

• 57% of EU population is interested in scientific research
  Topics that score highest:
  Medicine (62%)
  Environment (43%)
  Energy (19%)

• Distribution of audiences across media:
  TV 61%
  Press 49%
  Internet 28%
  Radio 26%
Public understanding of Science
Background
(Eurobarometer December 2007)

• 56% of EU population is satisfied with the way scientific research is reported in the media

But:
 51% not entertaining
 49% difficult to understand
 45% far from daily concerns

Therefore:
 Make it fun, easy to understand and relevant!
 Short and regular news about scientific research!
 Mainstream Science!
Fusion for Energy
Communication
Toolbox
Target audiences

• Policy Makers at EU and national level
• Fusion Community
• Industry and Researchers
• Media
• Public (events, schools, university, expos)
• Catalan Region and Spain
• F4E
Communication Tools

- Press Release
- News Alert
- Diary Note
- Memo
- Press Conference
- Audiovisual material
- Internet and Intranet
- Feed in magazines, newsletters
- Events, expos and conferences
Let’s relate to key events

• 20 March World Day of Earth
• 22 March World Day of Water
• 5 June World Day of Environment
• Sustainable Energy Week
• Green week-climate change
• Presidency Events/Priorities
• Key International Events/Conferences
• Science Events
Ongoing Communication Activities

- Interview requests
- Feeding into Newsletters, magazines
- Networking and collaborating with ITER, EFDA and JET
- Exhibitions:
  - SERI (June 2008)
  - ESOF (July 2008)
  - Event for the industry (end of 2008)
Conclusions and Challenges
Conclusions

• Need to co-ordinate: media actions
  key messages
  events
• Need to keep informed other DAs about ongoing and future activities
• Explore the possibility of joint events
• Learn to manage crisis
• Connect via the websites and feed in