



Securing tomorrow's energy needs

Euratom
Budget: €2.7 billion

The European Atomic Energy Community (Euratom) adopts a separate Framework Programme for nuclear research and training activities. The initial five-year period can be extended to full seven years from 2007 to 2013.

Euratom in FP7

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EURATOM

Budget: €2.7 billion (2007 - 2011)

The framework programme for nuclear research and training activities will comprise Community research, technological development, international cooperation, dissemination of technical information and exploitation activities as well as training.

Two specific programmes are planned:

- **Fusion energy research**, with the objective of developing the technology for a safe, sustainable, environmentally responsible and economically viable energy source. Activities will include the realisation of ITER (as an international research infrastructure), research & development of the ITER operation, the technology activities in preparation of DEMO, preparation of an international Fusion Materials Irradiation Facility (IFMIF).

Research and development activities for a longer term are also planned, as well as human resources, education and training initiatives.

Nuclear fission and radiation protection with the objective of enhancing in particular the safety performance, resource efficiency and cost-effectiveness of nuclear fission and other uses of radiation in industry and medicine. Activities will include:

- Management of radioactive waste
 - Reactor systems
 - Radiation protection
 - Infrastructures
 - Human resources, mobility and training
- The second programme will cover the Activities of the **Joint Research Centre (JRC)** in the field of nuclear energy, including:
 - Nuclear Waste Management and Environmental Impact
 - Nuclear Safety
 - Nuclear Security

Budget (for the period 2007-2011)

Fusion energy research*	€1947 m
Nuclear Fission and radiation protection	€287 m
Nuclear Activities of the Joint Research Centre	€517 m

**Within the amount foreseen for fusion energy research, at least €900 million will be reserved to activities other than the construction of the fusion energy source ITER.*