

Nuclear fission

Nuclear Fusion

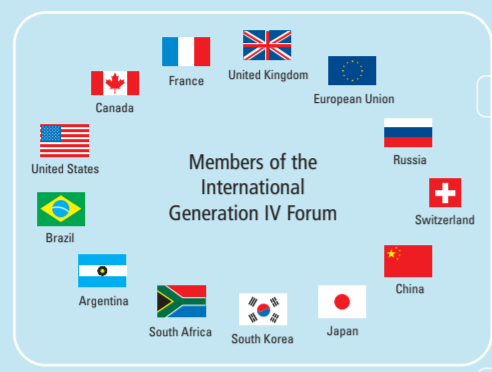
New Energy Technologies

Environmental Biology and Biotechnologies

Safety Security

Impact on the environment

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For more information:  
www.capenergies.fr

**An establishment of the National Institute of Nuclear Sciences and Techniques (INSTN)**

The INSTN awards three state-approved degrees: one for an engineer in Atomic Engineering and two others for technicians in radioprotection. It also organises study sessions dealing with nuclear sciences and techniques for professionals.

**Multiple French and international scientific collaboration**

- With universities and establishments of higher learning: joint research, facilities and equipment offered, short term internships for trainees and PHD students
- In different European and international research programmes.

300 temporary scientific collaborators on an average each year at the CEA Cadarache Research Centre

**Since its inception, Capenergies has expanded considerably and now covers the entire Provence-Riviera region, Corsica, Monaco and the islands of La Réunion and Guadeloupe**

The Capenergies Competitiveness Centre was created in November 2005 following an initiative launched by the CEA, the EDF and the Corsican Agency for Economic Development. Its prime objective is to develop innovative projects aimed at mastering energy consumption and to define non-Greenhouse gas energies that will promote nuclear and alternative energies.

Capenergies: More than 430 firms, research laboratories and training centres from the energy sector. Almost 150 innovative projects have found financing (350 M€)

**Partners working on the site of Cadarache**

- The AREVA Group has 3 establishments operating on the Centre:
  - AREVA NC ensures the cleaning and dismantling of the Plutonium Technology Workshop.
  - AREVA TA is in charge of all technical and operational aspects involved in running the facilities that deal with nuclear propulsion.
  - AREVA NP Intercontrôle conducts non-destructive tests on components taken from nuclear plants

Approximately 650 employees on the site

- The Institute of Radioprotection and Nuclear Safety (IRSN)

The IRSN is the technical expert for the Nuclear Safety Authority in the fields of radioprotection and nuclear safety.

Approximately 350 employees present on the site

- The ITER Organisation

An international organisation created by treaty, in charge of the design, construction and operation of the experimental fusion reactor, ITER.

Approximately 450 employees on the site at the end of 2009.



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énergie atomique • énergies alternatives

2009  
Decree authorising the creation of the experimental Jules Horowitz Reactor

2005  
Cadarache is chosen to be the site of the ITER fusion reactor by all the partners concerned

2006  
Commissioning of the CEDRA facility designed for the interim storage of radioactive waste packages before their removal to a geological repository

1988  
Start-up of TORE SUPRA Tokamak with superconducting magnets

1959  
Creation of the Cadarache Research Centre

1963  
Commissioning of the Pégase reactor  
Validation of French natural uranium nuclear fuels

1967  
Commissioning of the Rapsodie reactor  
The first French fast reactor

Nuclear fusion and fission energy

New energy technologies

Environmental Biology and Biotechnologies

CADARACHE A concentration of energies

