

The International Cooperation in R&D in the Czech Republic as a new EU member

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Basic Principles

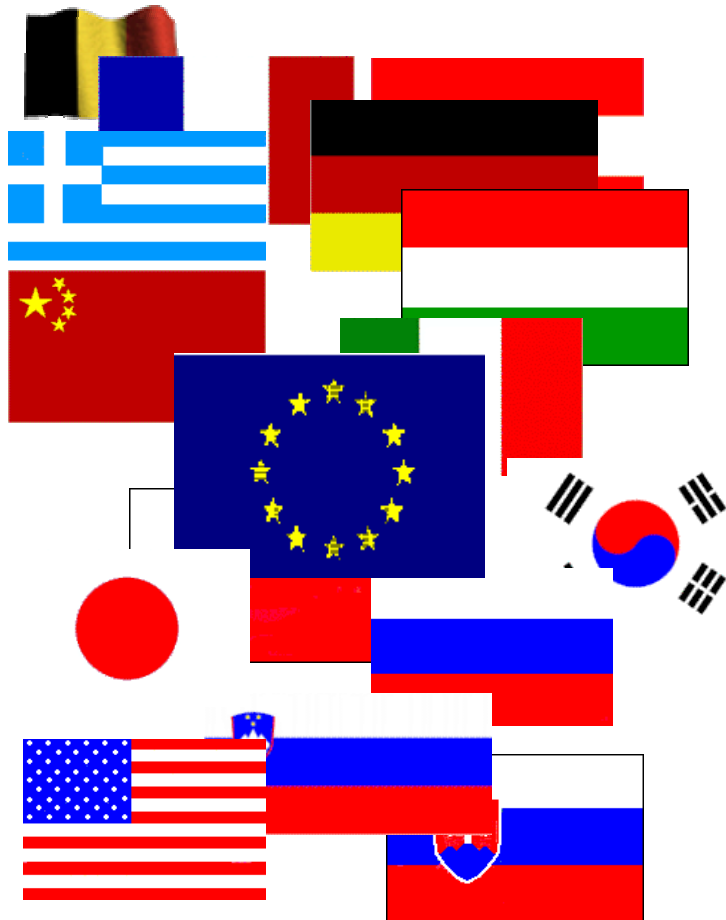
- Mutual benefit
- Features
 - Internationality of science
 - Critical mass principle
- Priority structure
 - binational dimension
 - European dimension
 - strategic dimension
 - aid dimension

EU – Framework Programmes

- History of our participation – FP3, FP4
- FP5 – full membership, first successes and failures
- FP6 – hard reality
- FP7 – new challenges
- ERA-NET's
- Art. 169 & 171: EU JTI's and/or E! Clusters ?
- Mobility & Human Resources
- Science & Society
- JRC: joint projects, further possibilities



Bilateral cooperation



Poland, Slovakia,
Slovenia, Hungary

Austria, Belgium, France,
Germany, Greece, Italy...

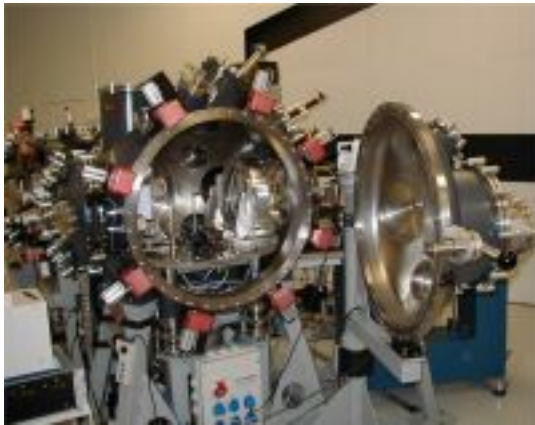
U.S.A.

Russia, Ukraine, NIS

Japan, Korea, China

Argentina, Peru, Mexico....

Examples of European dimension infrastructure in the Czech republic



PALS – Prague laser systems

- High power (TW) iodine laser system
- Pulse parameters: 3kJ, 300 ps, 1.315 micrometer wavelength and harmonics to near ultraviolet
- Applications: X-ray laser, thermonuclear fusion, medicine, material science

Nuclear Research Institute Řež u Prahy

NRI participation in international projects:

-EURATOM - GIF partnership in the areas of:

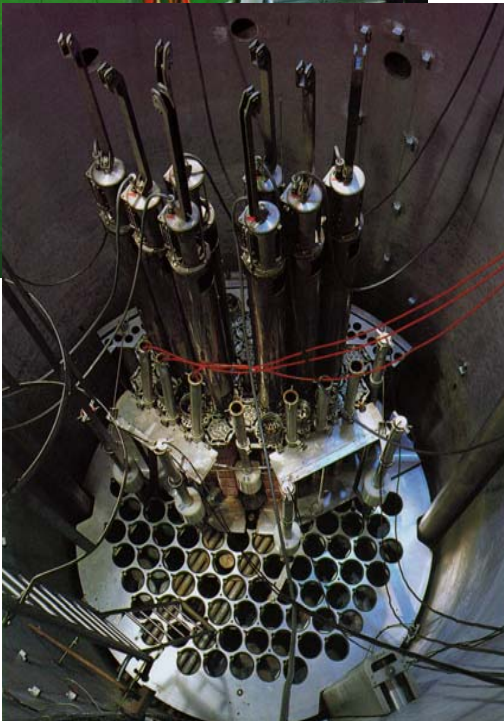
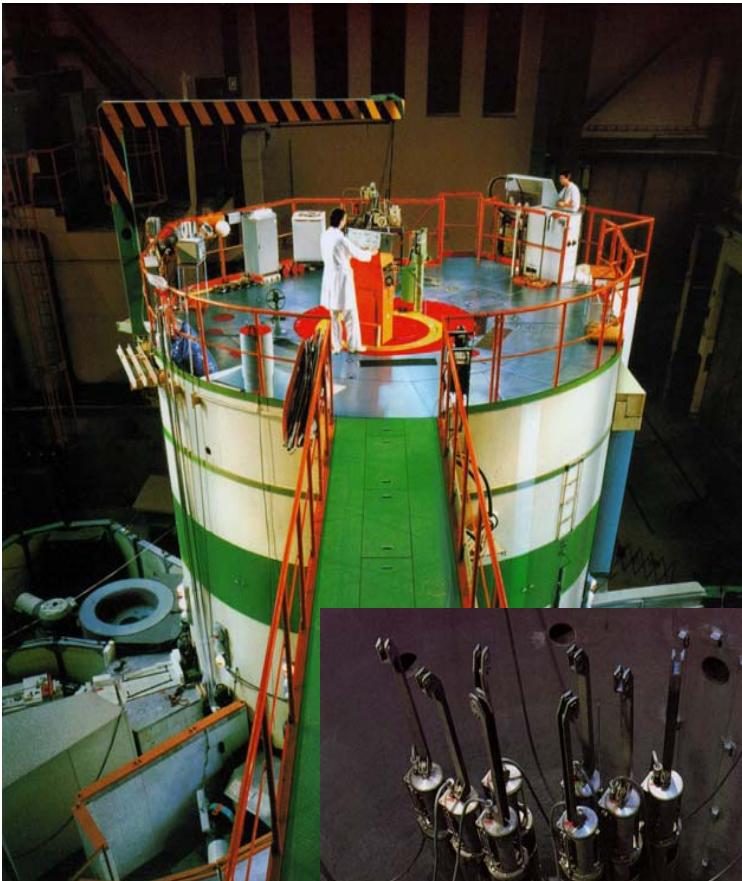
- Very High Temperature Gas Cooled Reactors (VHTR),
- Super-Critical Water-Cooled Reactors (SCWR),
- Molten Salt -Cooled Reactors (MSR).

NRI represents Euratom in Steering Committee of GIF

IAEA – INPRO

OECD

Nuclear Safety – Safety Standards



Thank you for your attention