

# Need of Reactor Dosimetry Preservation

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## Challenges of the nuclear energy renaissance

- EC: SET-PLAN, SNE-TP
- Reactor ageing
- New fuel management
- Facility dismantling
- Waste disposal
- Generation III reactors
- Generation IV reactors
- Medicine application



## Reactor Dosimetry is an element of Nuclear Safety Culture

### EWGRD: European Working Group on Reactor Dosimetry

#### WWER RPV projects

- USA NRC (1995-1997)
- IAEA RER/4/017 (1997-2000)
- EURATOM projects:
- FP4 MADAM (1997-1999)
- FP5 AMES Dosimetry (2001-2004)
- FP5 RETROSPEC (2000-2003)
- FP5 REDOS (2001-2004)
- FP5 COBRA (2003-2005)
- FP5, FP6 TACIS (1995-2005)
- FP6 RADE (2006)
- FP6 COVERS (2006-2008)

Determination of neutron field parameters and responses in the reactor system



EWGRD workshops: 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003  
EWGR+ASTM Symposia: 1996, 1999, 2002, 2005, 2008

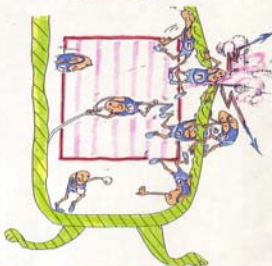
## Reactor Vessel Dosimetry

К'ВО Е ДОБРО  
ЧТО ТАКОЕ ХОРОШО  
WHAT'S GOOD

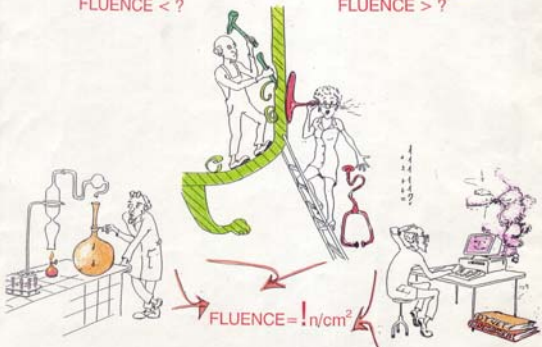


FLUENCE < ?

К'ВО Е ЛОШО  
ЧТО ТАКОЕ ПЛОХО  
WHAT'S BAD



FLUENCE > ?



~u/cb.c.

Reactor Dosimetry preservation and development need governmental understanding as well as finance supporting to

- Maintain RD community by joint workshops and training, involving the major in experience and age researchers in lecture preparation and the young in training, to facilitate knowledge sharing and network building.
- Maintain RD experience by common intercomparisons and harmonization,
- Develop RD competency by works on improvements based on common research projects,
- Involve more young researchers.

