

## 7 Institutes in 5 Member States



### IRMM - Geel Belgium

- Institute for Reference Materials and Measurements

Staff:  $\approx$  250



### IE – Petten, The Netherlands

- Institute for Energy

Staff:  $\approx$  180



### ITU - Karlsruhe Germany

- Institute for Transuranium elements

Staff:  $\approx$  250



### IPSC - IHCP - IES - Ispra Italy

- Institute for the Protection and the Security of the Citizen

- Institute for Health and Consumer Protection

- Institute for Environment and Sustainability

Staff:  $\approx$  350, 250, 370

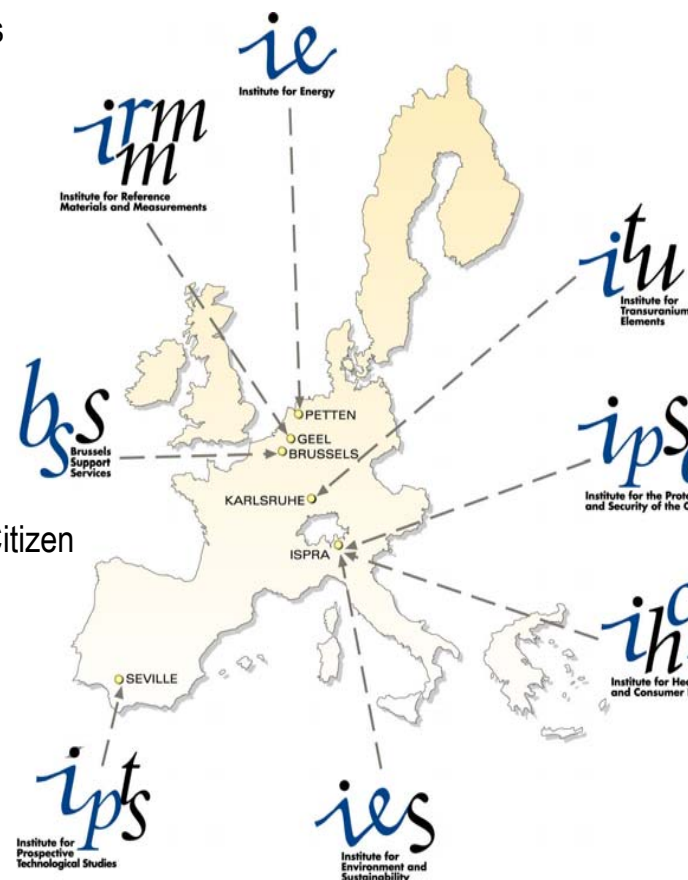


### IPTS - Seville Spain

- Institute for Prospective Technological Studies

Staff:  $\approx$  100

**Total staff: ~ 2200 people**





Personnel:  
650



Personnel:  
250 (Petten)  
70 (Arnhem)



Personnel:  
200



Personnel:  
270



# Institute for Energy Activities (2003-2006)

## Nuclear safety

- Making both existing and future designs of nuclear power plants even safer

*In enlarged EU & CC's*



## Clean & Sustainable Energy

- Hydrogen production, storage, utilization
- Waste and biomass



## Energy Information Platform (SETRIS)

Evaluation, comparison, prediction of different energy sources /demand

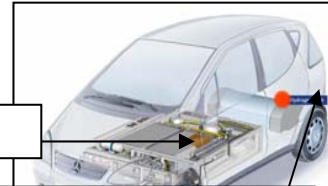


## The High Flux Reactor

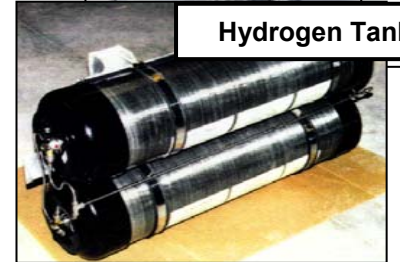
- Nuclear Safety
- Medical Applications
- Fundamental and applied research with beam tubes



Fuel Cell System



Hydrogen Tank







# The JRC Enlargement and Integration Action 2005





## Strategic Objectives:

To help speed up the integration of New Member States

To help the CC's and other potential MS in dealing faster with the "EU acquis" in areas of JRC competence

To contribute to the development of the "European Research Area"

## Main Target:

To achieve full working involvement between the NMS/CCs/PMSs and the JRC, consistent with the level enjoyed by older MS



# JRC Enlargement & Integration Action

## Main Instruments:

1. Extend JRC core projects to focus on specific NMS/CC/PMS needs
2. Involve NMS/CC/PMS organisations in JRC networks
3. Host visiting scientists, seconded experts, fellows
4. Advanced training courses and workshops
5. Information and awareness actions



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# E&I STAFF and FELLOWS at IE 2005

Name	Nationality	Gender	Grade	Project
NAGY Miklos	HU	M	20	DMD
MACIEJEWSKA Anna	PL	F	20	SETRIS
SIEWIOREK Aleksandra	PL	F	20	CLEANWEB
WIECZOREK Kamila	PL	F	20	CLEANWEB
ROCA Antoaneta	RO	F	20	BNCT
ZEMAN Andrej	SK	M	30	SAFELIFE
NEOV Dimitar	BG	M	30	NET
KALIVODOVA Jana	CZ	F	30	SUNASPO
NOVOTNY RADEK	CZ	M	30	SAFELIFE
TUCEK Kamil	CZ	M	30	AMA
PRVAKOVA Slavka	SK	F	30	SAFECASK
KUBANYI Jozef	SK	M	40	AMA
LOFAJ Frantisek	SK	M	40	SAFELIFE
PATRIK Milan	CZ	M	40	AMA
SALYK Ota	CZ	M	40	SYSAF
SVOBODA Karel	CZ	M	40	CLEANWEB
GYENES Gyorgy	HU	M	40	PHEBEN2
ROBAK Zgibniew	PL	M	40	CLEANWEB
BUJAN Albert	SK	M	VS	Phebus
MITEVA, Rossitza	BG	F	DNE	NESC
ŚRODA Symon	PL	M	A II/2	CLEANWEB
KAVALOV Boyan	BG	M	A II/2	ACE-TECH
BRACISIEWICZ, Marek	PL	M	GFIV 13	CLEANWEB
RANGUELOVA, Vesselina	BG	F	A* 06	TSSTP
DUCHAC, Alexander	CZ	M	A* 11	TSSTP
TOTH, Bela	HU	M	A* 06	AMA
BURCL, Rudolf	SK	M	A* 06	TSSTP



# JRC Enlargement & Integration Action IE Posts 2005

- Cogeneration
- Fuels from Waste and Biomass (2x)
- Hydrogen Storage Technologies
- Management of Accidents (2x)
- Non Destructive Testing of Nuclear Components
- Advanced Techniques for Assessment of Thermal Fatigue Damage
- Safety of Eastern European Nuclear Facilities
- Casks for High-Level Nuclear Waste (2x)
- Ageing Issues of key Nuclear Power Plant Components
- Boron Neutron Capture Therapy



# JRC Enlargement & Integration Action

## Main Instruments:

1. Extend JRC core projects to focus on specific NMS/CC/PMS needs
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3. Host visiting scientists, seconded experts, fellows
4. [Advanced training courses and workshops](#)
5. Information and awareness actions



107 JRC Workshops

14 Workshops at IE

71 posts in the JRC

13 posts at IE

## Institute for Energy, Petten, the Netherlands

New and Renewable Energies	Cogeneration	<a href="#">IE-W01</a> <a href="#">IE-W02</a>	<a href="#">IE-J08</a>
	Fuels from Waste and Biomass	<a href="#">IE-W04</a> <a href="#">IE-W05</a>	<a href="#">IE-J09</a> <a href="#">IE-J10</a>
	Fuels Cells Performance Testing	<a href="#">IE-W06</a>	
	Hydrogen Storage Technologies	<a href="#">IE-W07</a>	<a href="#">IE-J02</a>
Nuclear Energy	Plant Life Management for Safe Operation	<a href="#">IE-W08</a>	
	How safe is it?	<a href="#">IE-W09</a>	
	Valorisation on Tacis / Phare results	<a href="#">IE-W10</a>	
	Techniques for Characterisation of Repair Welds	<a href="#">IE-W11</a>	
	Nuclear Waste Packages	<a href="#">IE-W03</a>	
	Management of Accidents		<a href="#">IE-J03</a> <a href="#">IE-J04</a>
	Non Destructive Testing of Nuclear Components		<a href="#">IE-J05</a>
	Advanced Techniques for Assessment of Thermal Fatigue Damage		<a href="#">IE-J06</a>
	Safety of Eastern European Nuclear Facilities		<a href="#">IE-J07</a>
	Casks for High-Level Nuclear Waste		<a href="#">IE-J11</a> <a href="#">IE-J12</a>
	Ageing Issues of key Nuclear Power Plant Components		<a href="#">IE-J13</a>
Health	Boron Neutron Capture Therapy	<a href="#">IE-W12</a> <a href="#">IE-W13</a>	<a href="#">IE-J01</a>
Data and Document Conservation	Online data & Information network for Energy	<a href="#">IE-W14</a>	

# JRC Enlargement Action IE Workshops 2005

- Cogeneration (2x)
- Fuels from Waste and Biomass (2x)
- Fuels Cells Performance Testing
- Hydrogen Storage Technologies

9<sup>th</sup>/10<sup>th</sup> June 2000

- Plant Life Management for Safe Operation
- How safe is it?
- Valorisation of TACIS / PHARE results
- Techniques for Characterisation of Repair Welds
- Nuclear Waste Packages

- Boron Neutron Capture Therapy (2x)

- Online data & Information network for Energy