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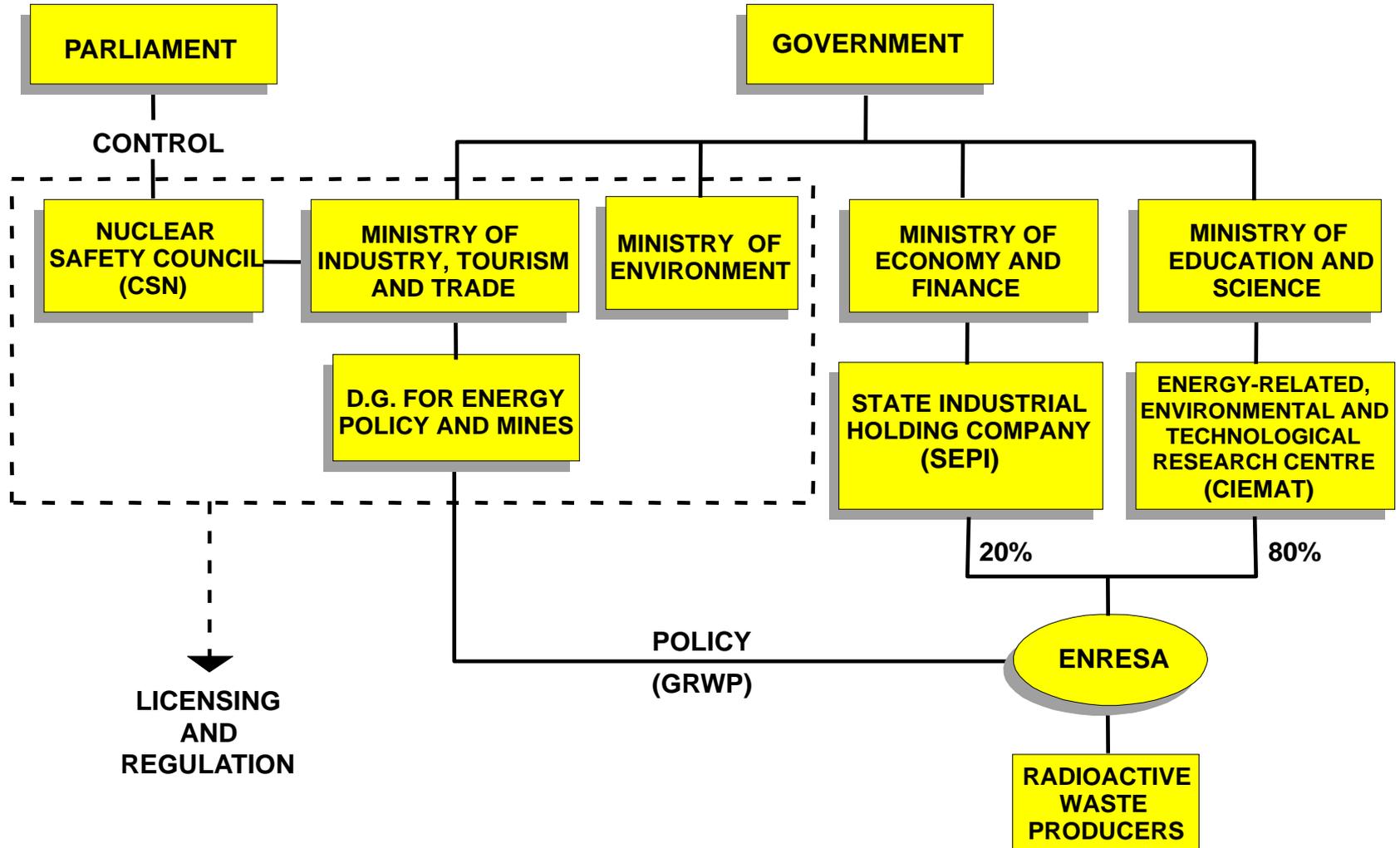
# SITING PROCESS FOR A CENTRALISED STORAGE FACILITY (ATC) FOR SPENT FUEL AND HIGH LEVEL WASTE IN SPAIN

BLUE RIBBON COMMISSION ON AMERICA'S NUCLEAR FUTURE

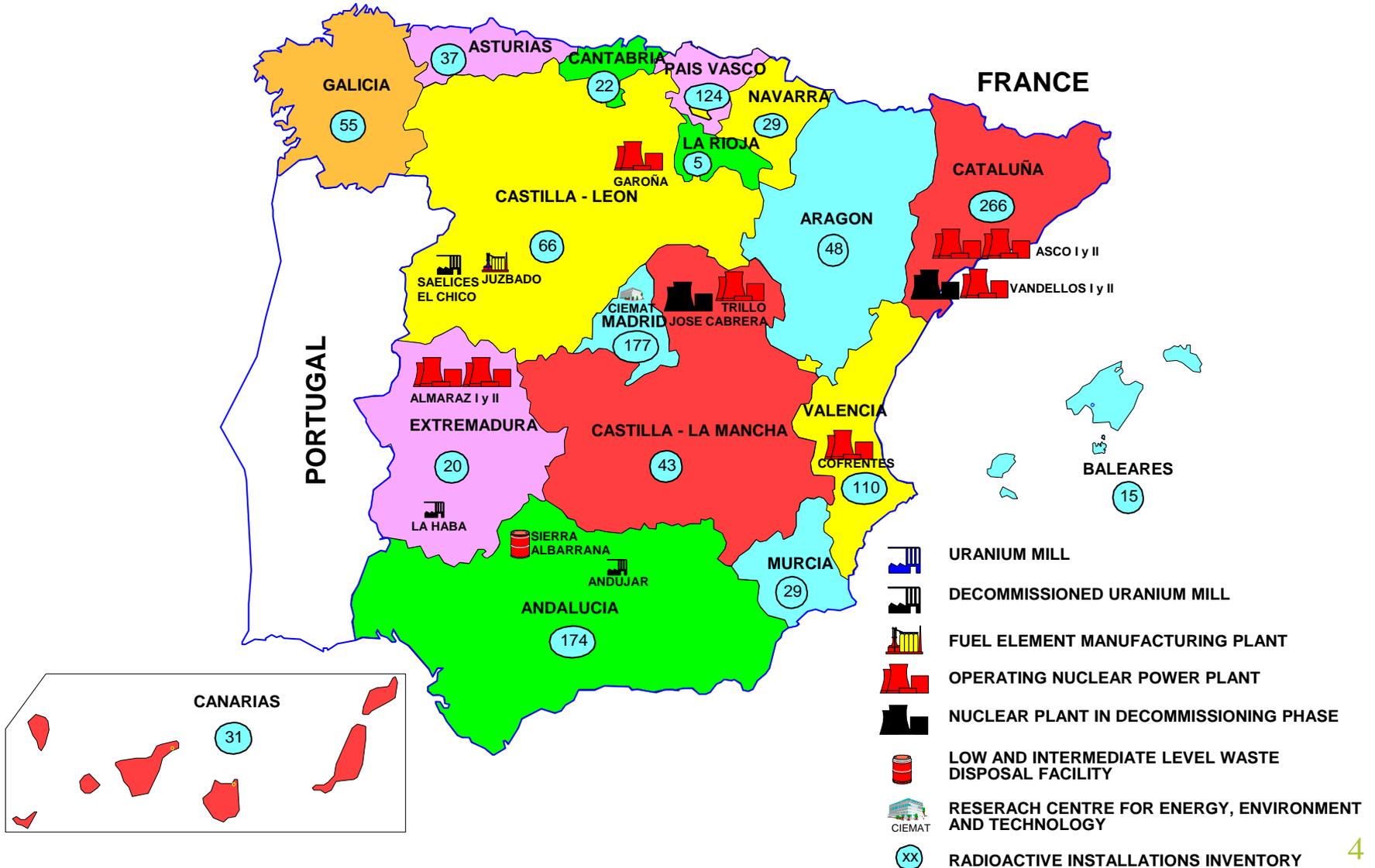
21-SEPTEMBER-2010

Alvaro Rodríguez Beceiro

National Administrative Structure

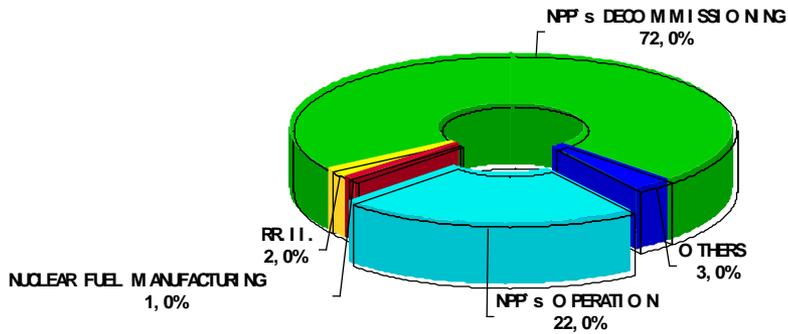


NUCLEAR FUEL CYCLE AND RADIOACTIVE INSTALLATIONS IN SPAIN

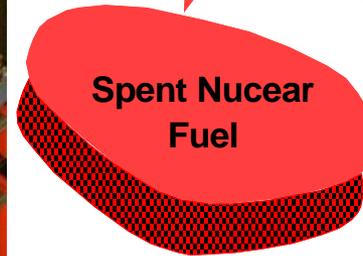


**CONDITIONED LILW  $\approx$  170.000 m<sup>3</sup>**

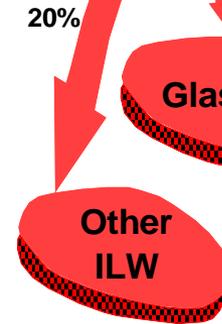
**SF/HLW  
13.000 m<sup>3</sup>**



(38.400 m<sup>3</sup> as of 31/12/2007)



19.472 Fuel assemblies / 6.675 tU

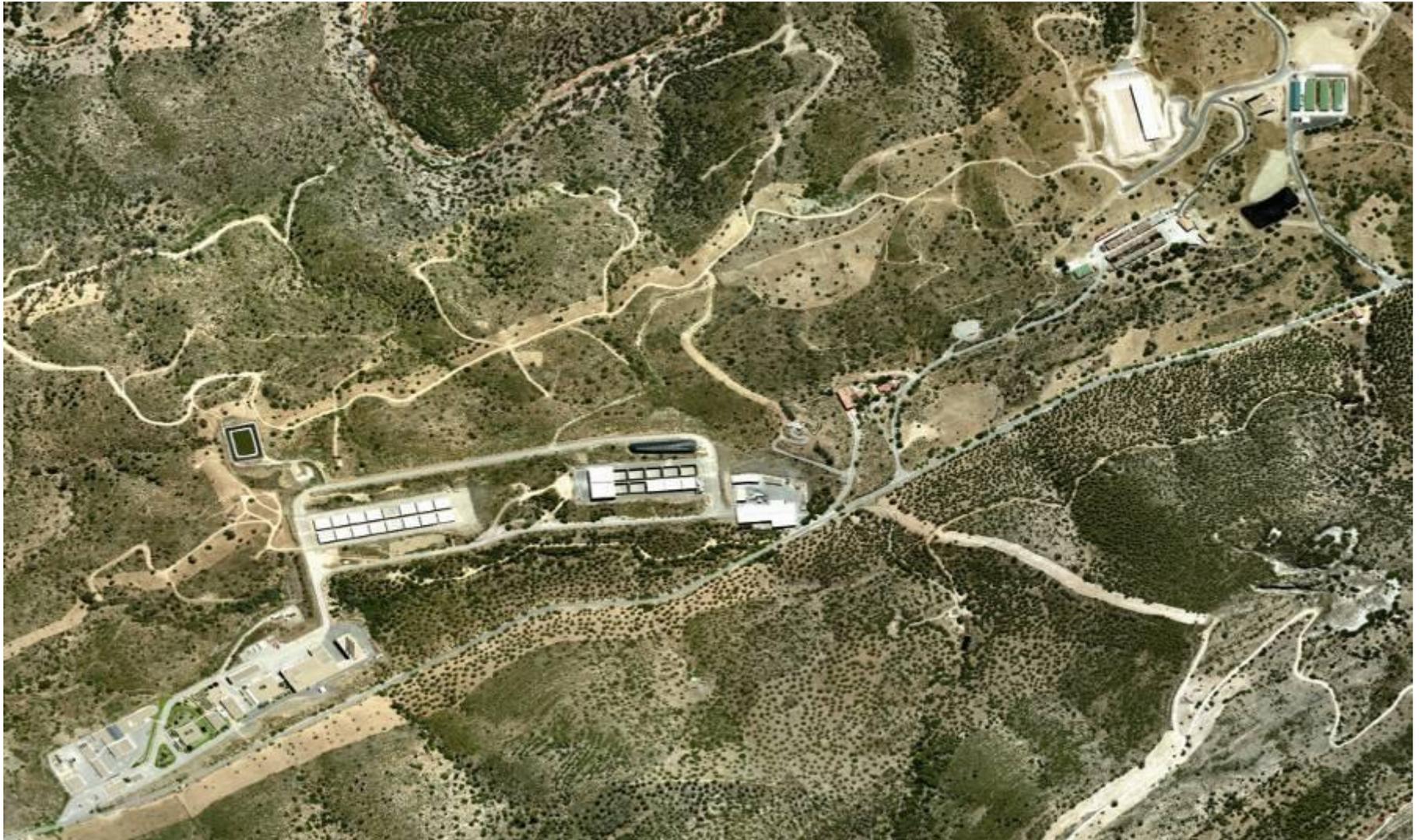


LILW = Conditioned low and intermediate level waste (included very low level waste)  
 SF/HLW = Spent fuel and high level waste in disposal canister (included medium level waste)

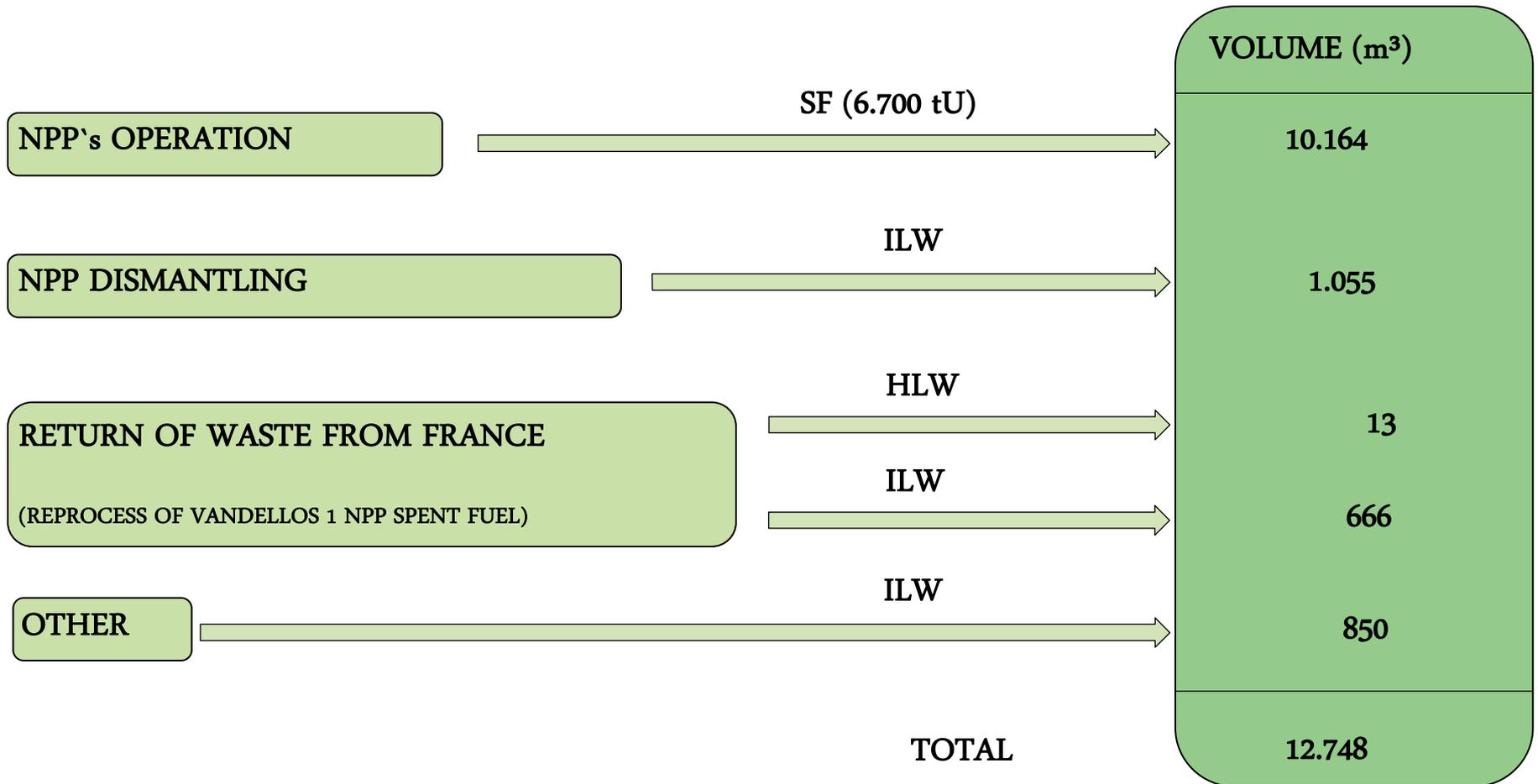
Main Items of the Radioactive Waste Management Programme in Spain

PROGRAMME	GOALS	ACHIEVEMENTS	CHALLENGES
LILW	Disposal	El Cabril Disposal Facility: LILW VLLW	<ul style="list-style-type: none"> <li>• Volume reduction</li> <li>• Capacity Optimization</li> <li>• Improving Characterization means</li> </ul>
SF / HLW	Temporary Storage  Final Disposal	<ul style="list-style-type: none"> <li>• Pools Reracking</li> <li>• On site storage casks</li> <li>• Generic Designs / PA</li> <li>• Siting activities</li> <li>• R+D Plan</li> </ul>	Centralised Storage Facility  Preserve information
DECOMMISSIONING/ DISMANTLING	Green field	Vandellos 1 NPP (Level 2) Zorita NPP (Starting)	Graphite solution /Level 3 Level 3

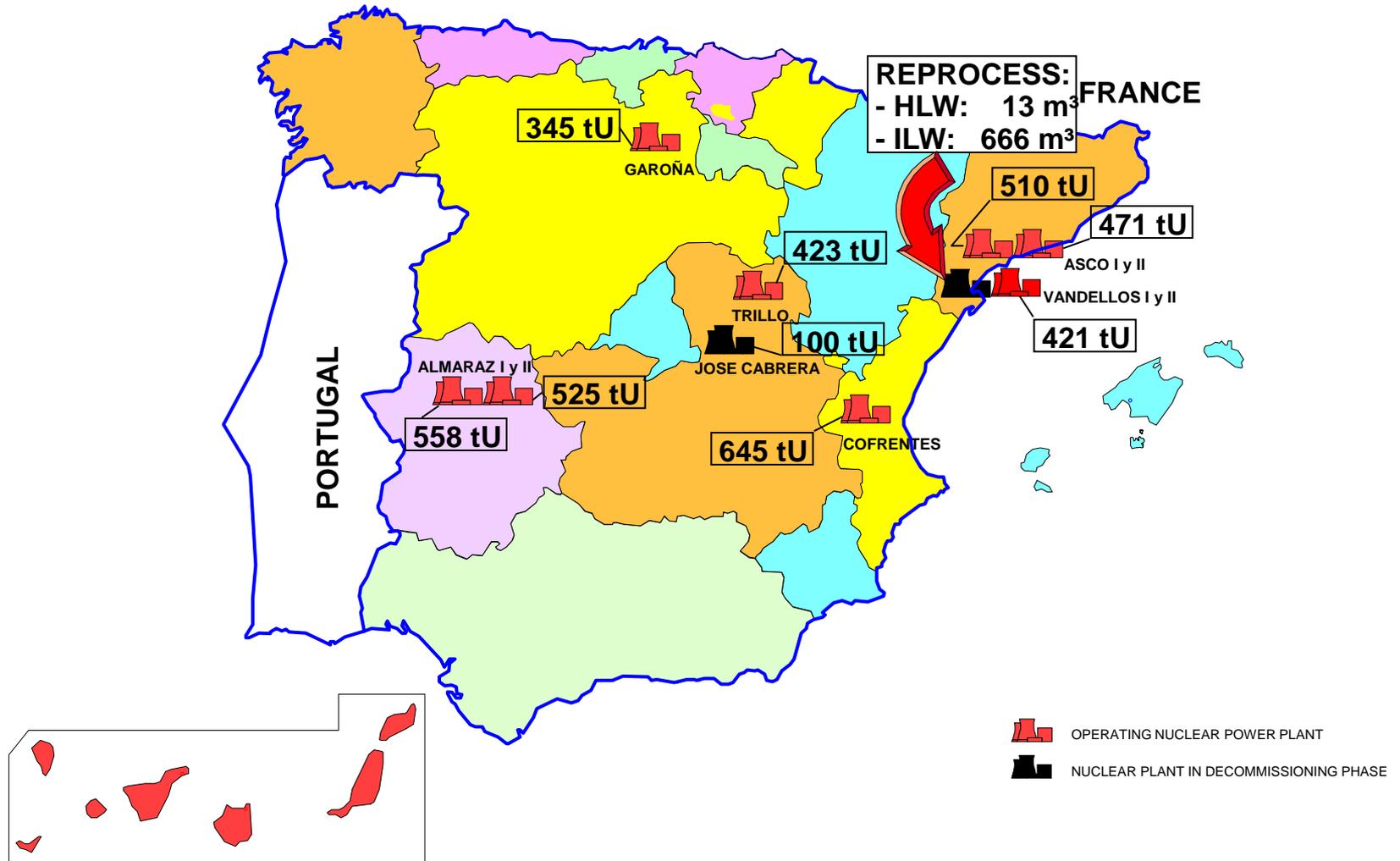
El Cabril disposal facility for LILW - General Lay-Out



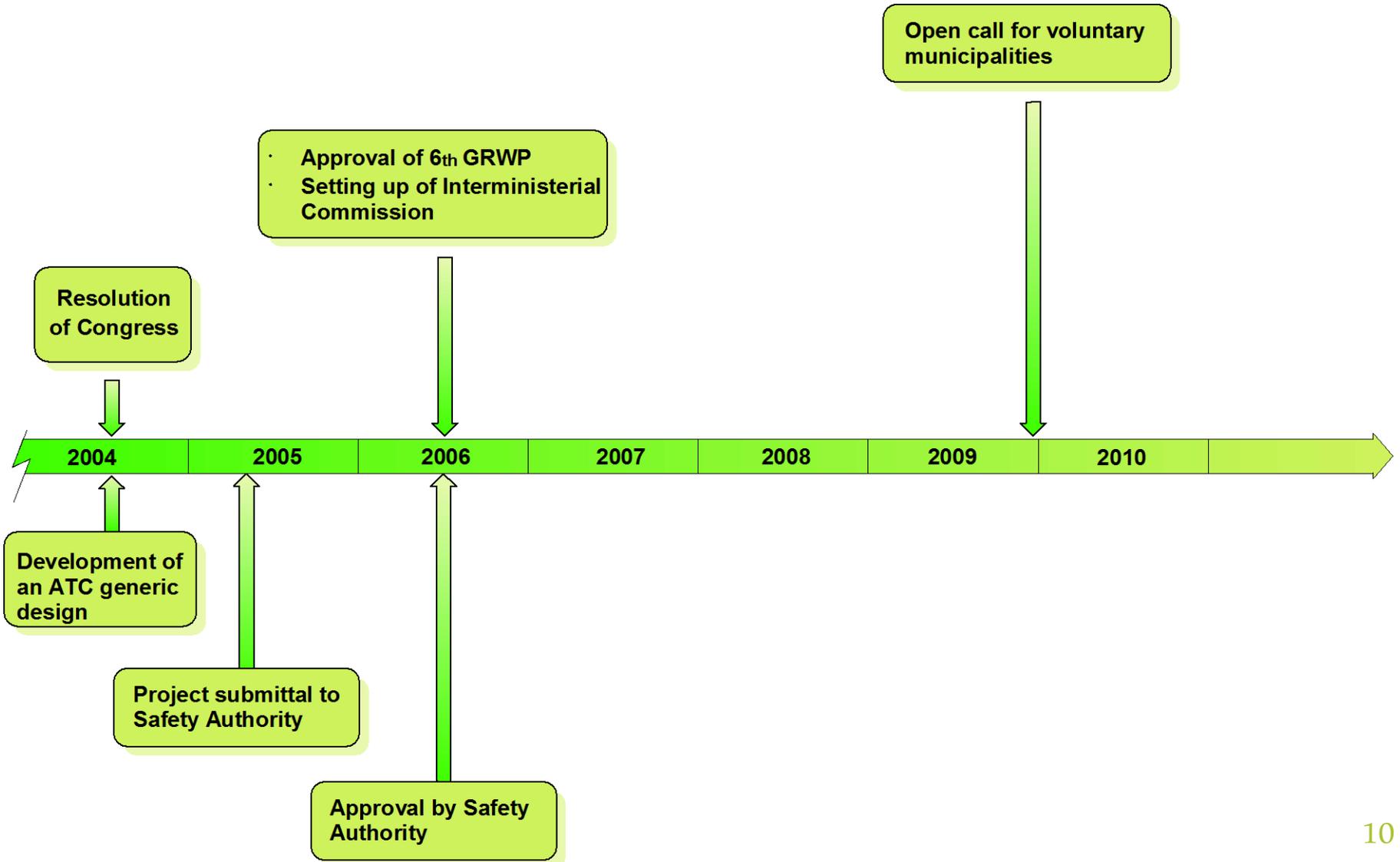
Origin and Volumen of SF and HLW to be Stored at the ATC



Spent Fuel / HLW stored as of 31 December 2009



ATC Siting Process (SF/HLW Centralised Storage Facility)



## Political Commitment

- Congress resolution
  - Instructions to the Government to take actions for developing the ATC siting process
  - Unanimous support by all political parties
  
- Approval of the 6th GRWP
  - ATC defined as a strategic objective and main priority for the HLW programme
  
- Setting up of an Interministerial Commission
  - To define the siting criteria and supervise the siting process

## Interministerial Commission

### ➤ Objective

- To establish the siting criteria and to elaborate a proposal of potential candidate sites for the Government

### ➤ Membership

- Representatives of several Ministries (Industry; Environment; Economy; Education and Science; Health; Public Administrations; Presidential Cabinet)

### ➤ Functions

- Define the conditions for the candidate sites
- Establish and promote the public information and participation process
- Develop the procedure for the participation of voluntary candidate municipalities
- Elaborate a proposal of candidates to be submitted to the Government

### ➤ Collaborations and assistance

- The Commission can request the participation of other bodies or organisations
- Assistance by a Technical Advisory Committee

## Actions Taken by the Commission

### ➤ Development of Reports

- Basic Siting Criteria
- Justification of ATC needs
- International References
- Radiation Protection and Safety Aspects
- Transport of SF/HLW

### ➤ Public Information

- Dedicated web site
  - Reports
  - Q / A
  - Minutes of Meeting

### ➤ Open Call for Voluntary Candidate Municipalities

- Government Resolution (Official Gazette)

Open Call for Voluntary Candidate Municipalities

Government Resolution (December 2009)

➤ Procedure

- Submittal of proposals
- Analysis of candidates' territory
- Public information and inquiry
- Request for specific land proposals
- Commission Report
- Government decision

➤ Basis

- Commitments
- Proposal content
- Exclusion criteria
- Land Information
- Factors to be considered for evaluation

ATC

Candidate Municipalities



## ATC Siting Process

## Experience

### ➤ Political

- High commitment at national level
- Negative reaction of regional politicians
- Good level of participation of municipalities

### ➤ Public Involvement

- Neutral attitude of public at large
- Minor public confrontations in some of the candidate municipalities

### ➤ Media

- Reasonable treatment of information

### ➤ Green Organizations

- Active negative reactions from start of siting process

### ➤ Process

- Too long period





