

# **RWM SYSTEM IN SPAIN**

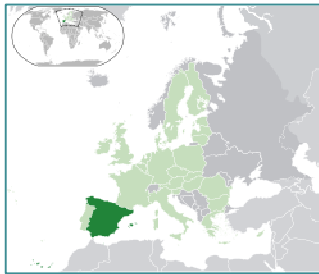
**MARIANO MOLINA**  
Head, International Relations Department

**WASTE MANAGEMENT SYMPOSIA, Phoenix 29<sup>th</sup> February 2012**

# RWM SYSTEM IN SPAIN



## Main Facts/Electricity Production 2011 (TWh)

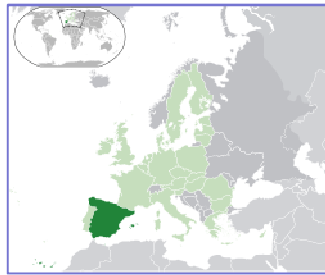


<b>AREA</b>	<b>195364</b>	<b>sq mi</b>
<b>POPULATION</b>	<b>46</b>	<b>million</b>
<b>GDP</b>		
<b>Total</b>	<b>1536</b>	<b>USD trill</b>
<b>Per cápita (PPP)</b>	<b>33298</b>	<b>USD/p</b>

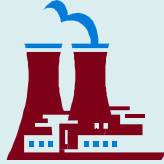


<b>COAL</b>	<b>46,9</b>	<b>16%</b>
<b>OIL</b>	<b>11,5</b>	<b>4%</b>
<b>NATURAL GAS (CC)</b>	<b>51</b>	<b>17%</b>
<b>HYDRO</b>	<b>27,7</b>	<b>9%</b>
<b>OTHER RENEWAL &amp; COGEN</b>	<b>98,5</b>	<b>34%</b>
<b>NUCLEAR</b>	<b>57,7</b>	<b>20%</b>
<b>Imp/Exp</b>	<b>-0,9</b>	<b>0%</b>
<b>TOTAL</b>	<b>292,4</b>	<b>100%</b>

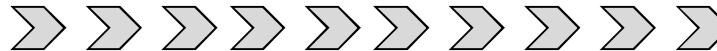
# RWM SYSTEM IN SPAIN

## Nuclear sector and RWM (Main producers)



**CURRENT WASTE GENERATORS**

 <b>7 NPPS</b> <b>7739 MW</b>	 <b>1 FUEL FABRICATIO N FACILITY</b>	 <b>800 WASTE PRODUCERS</b>
---	--	---



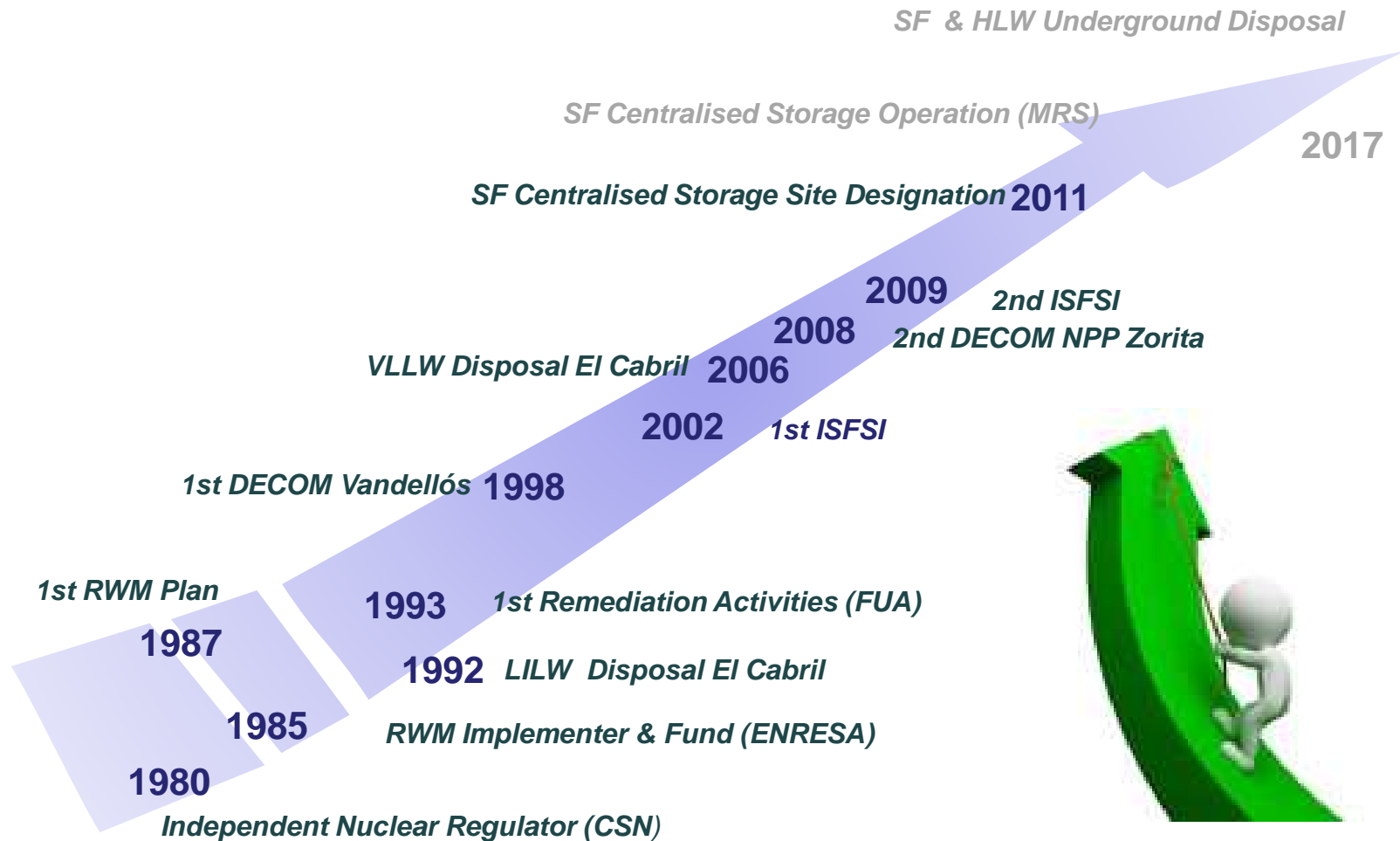
**ALREADY MANAGED**

 <b>26 URANIUM MINES</b>	 <b>3 URANIUM MILLING FACTORIES</b>	 <b>3 RESEARCH REACTORS</b>
--	---	---

# RWM SYSTEM IN SPAIN

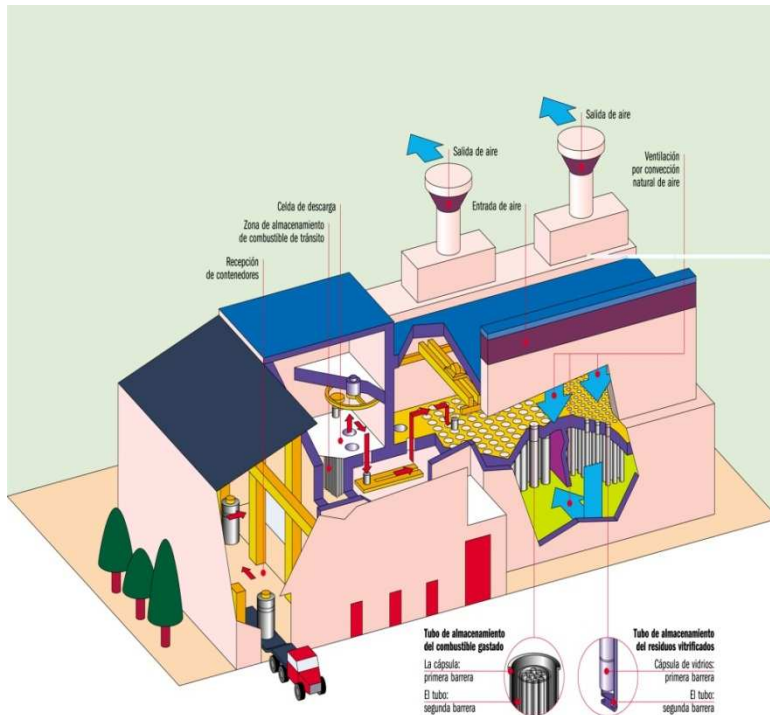


## Main milestones in the Spanish RWM system



# RWM SYSTEM IN SPAIN

## A key achievement: Centralised Temporary Storage (CTS)



**CONCEPTUAL DESIGN FOR CTS VAULT TYPE**

### CONSENT-BASED PROCESS

- Stakeholder driven design
- Inclusive, open and equitable
- Transparent
- Volunteer (8 candidates)
- Benefit package/Added value

### TECHNICAL ADVANTAGES

- Economy
- Security
- Safety
- Flexibility to the SF management system
- Flexibility to the DECOM system

# RWM SYSTEM IN SPAIN

## RWM Present and future

