



GOBIERNO
DE ESPAÑA

MINISTERIO
DE INDUSTRIA, ENERGÍA
Y TURISMO



SITUATION REGARDING THE DISPOSAL OF RADIOACTIVE WASTE IN SPAIN

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German Branch of AIDN/INLA

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2. The Centralized Interim Storage Facility envisaged (2018-2077)
3. Plans for the disposal of HLW

1. Current situation and overall strategy

Types of radioactive waste

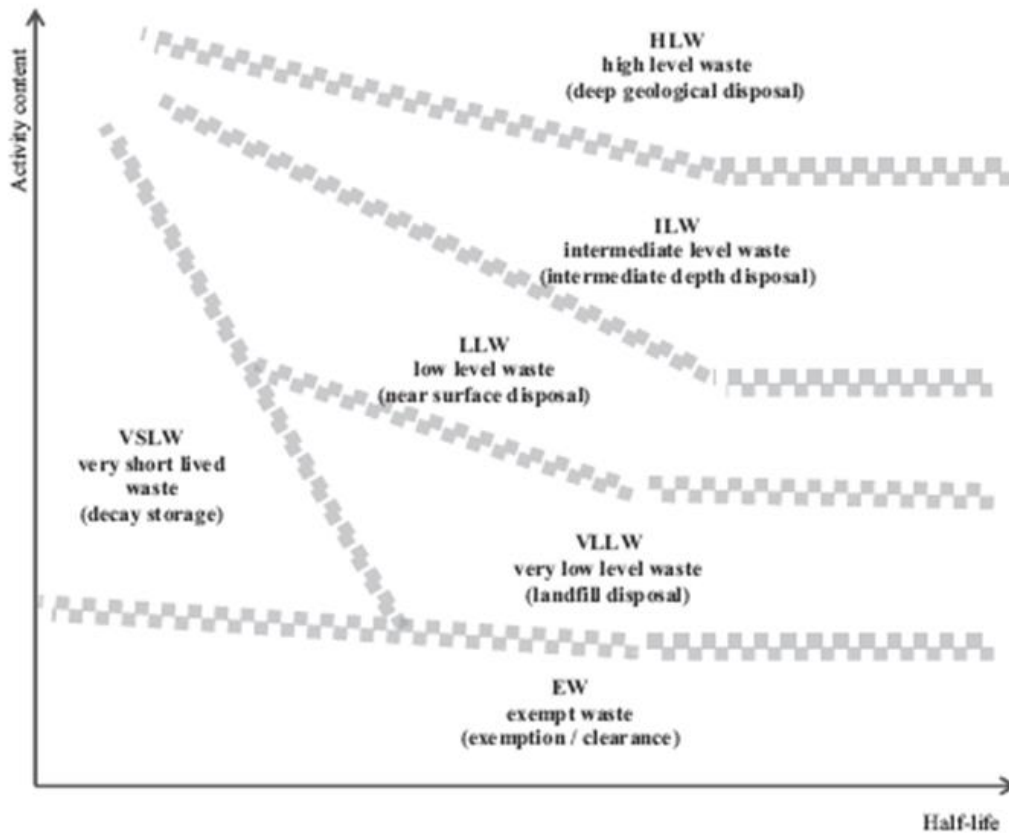


FIG. 1. Conceptual illustration of the waste classification scheme.

Source: IAEA Classification of Radioactive Waste, 2009

LILW (+VLLW): disposal at **El Cabril** since 1992



Long-lived ILW and HLW: storage

- Long-lived ILW: storage at El Cabril
- HLW: storage on site:
 - Reracking of pools at NPPs in 1990's



- Individualized Interim Storage Facilities (dry) when needed (Trillo, Zorita and Ascó)



Overall strategy



MAIN HISTORICAL OBJECTIVES:

- TO PROVIDE ENOUGH CAPACITY TO ASSIST THE OPERATION OF NPPS WHILE LOOKING FOR A SOLUTION FOR LONG TERM INTERIM STORAGE
- TO LOOK FOR LONG-TERM DISPOSAL SOLUTIONS

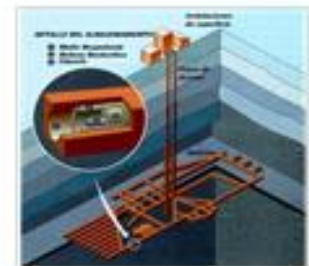
1.- Reracking
90's



2.- ISFSF
2000-2016



3.- ATC
2018-2077



4.- DGR
2068-

2. The Centralized Interim Storage Facility envisaged (2018-2077)

ATC. THE CENTRALIZED SNF AND HLW STORAGE FACILITY PROJECT

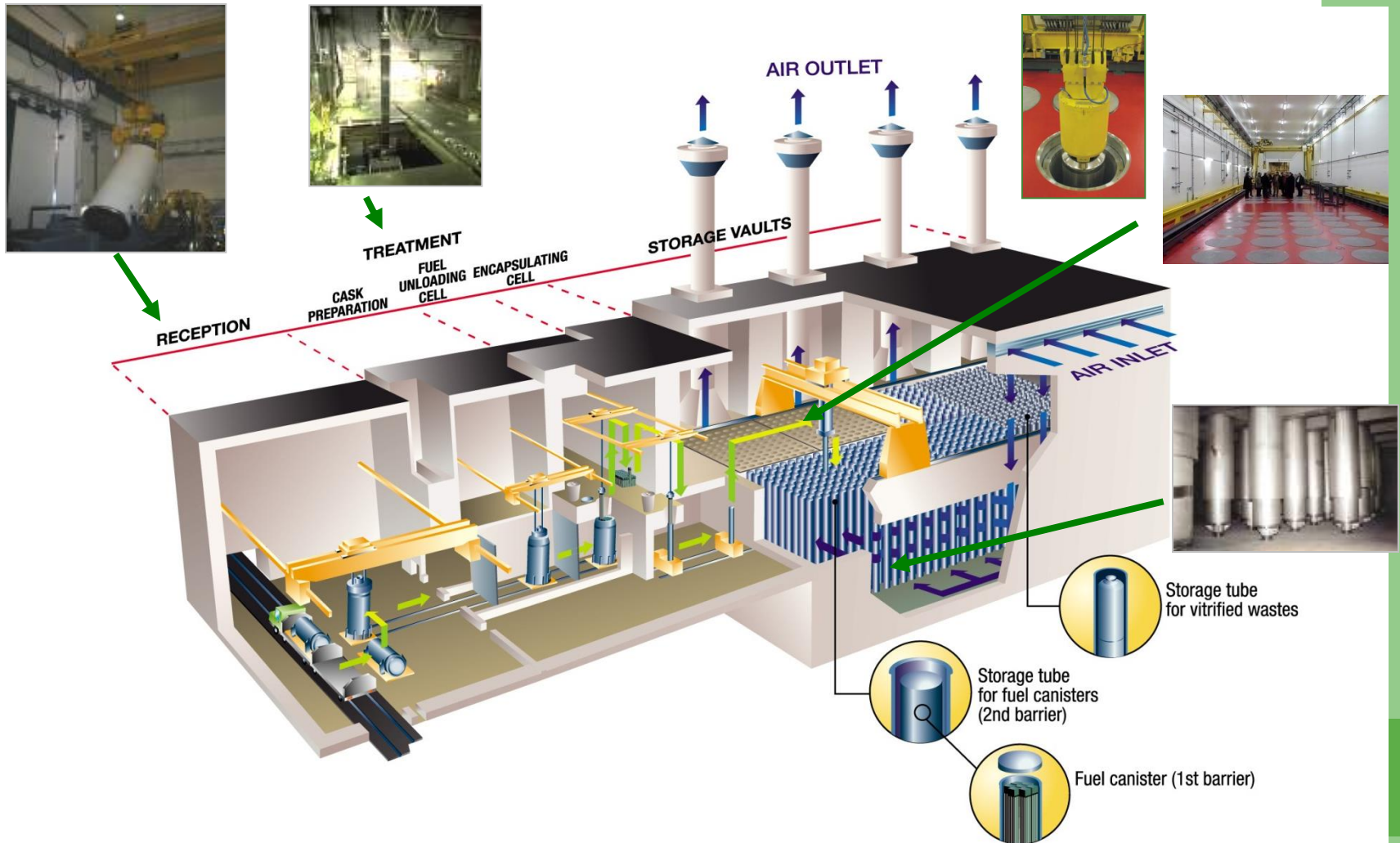
- Defined as a priority in the 6th General radioactive Waste Plan
- Parliament supported:
 - In **2004**, the Industry Commission of the Parliament unanimously asked the Government to develop an ATC facility
 - In 2006, the Parliament urged the Government to set up an Inter-Ministerial Commission to lead the site selection process
- Site selection
 - Launched in December **2009** with a decree establishing the minimum criteria and how to proceed.
 - Technical report released in September **2010** pre-characterizing the eight (8) final candidates' sites and providing proposal a candidate sites to the Cabinet
 - In December **2011** site selection is approved by Cabinet Minister (Villar de Cañas, Cuenca)
VILLAR DE CAÑAS
(CUENCA)



ATC. THE CENTRALIZED SNF AND HLW STORAGE FACILITY PROJECT

- 2012
 - Preliminary surveys and site selection
 - Purchase of land
 - Agreements with regional and local authorities for local development and infrastructures improvement
 - Launching the site characterization works
 - Calling for bids of Engineering companies
- 2013
 - Characterization works: Phase 1 and launching phase 2
 - Main Engineer and other engineering companies selected
 - Design and Official Licensing Documentation prepared
 - Initiation of the Environmental Impact Assessment Procedure
 - Initiation of the Urban and Land Planning procedures in agreement with the local authority
- 2014
 - Application of the site and construction licenses



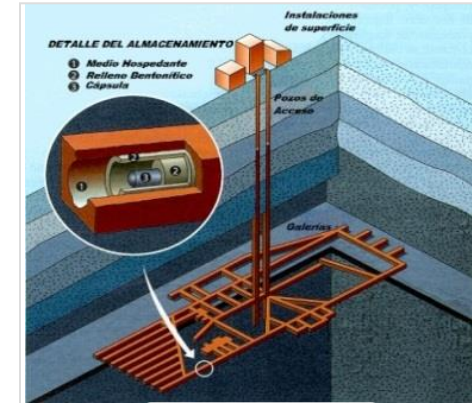
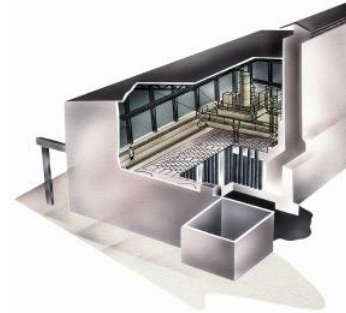


Main milestones

- **January 13, 2014:** Application for the
 - Site (previous) authorization
 - Recognizes purposes
 - Authorizes the site
 - Authorizes preliminary construction works
 - Requires Public inquiry process
 - Requires Environmental Impact Statement procedure
 - Construction Authorization
 - Authorizes construction
- Technical meetings with CSN for assessment planning.
 - **Report to the Site authorization released in July 2015**
 - **Report to the Construction authorization expected in September 2015**



3. Plans for the disposal of HLW



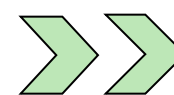
1.- Reracking
90's



2.- ISFSI
2000-2016



3.- ATC
2017-2077



4.- DGP
2068-

DGD stages as proposed in the 7th General radioactive Waste Plan:

- 1 2014-2020 Report to the Government on knowledge actualization
- 2 2020-2023 Report assessment
- 3 2023-2027 Site designation
- 4. 2028-2035 Analysis of candidate sites
- 5 2036-2050 Site characterization and validation
- 6 2051-2063 Licensing and Construction
- 7 2063-2068 Initial Operation
- 8 2069- Normal Operation





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