SPANISH STAKEHOLDER FOR THE NEA WORKSHOP ON STAKEHOLDER INVOLVEMENT IN NUCLEAR DECISION MAKING

PARIS, 17-19TH JANUARY 2017

OECD CONFERENCE CENTER

BY EVA GONZÁLEZ HERRERO
- 36,000 radioactive facilities
- 8 nuclear plants:
  - Vandellós I (decommissioning)
  - Vandellós II (both at Tarragona)
  - Ascó I (Tarragona)
  - Ascó II
  - Almaraz I (Cáceres)
  - Almaraz II
  - José Cabrera (decommissioning and almost removed) (Guadalajara)
  - Santa María de Garoña (Burgos) (Stopped and waiting for a new licence. The oldest one in Spain)
  - Trillo (The newest one) (Guadalajara)
- 1 low and medium waste storage: El Cabril (Córdoba)
- 1 fuel rod Factory: Juzbado (Salamanca)
NUCLEAR NUMBERS

- 2016: The seven currently operative reactors produced nearby 57,300 GWh, a little more than de 20% of the country electricity. The first source of electricity in Spain.

- Nuclear is about 37.01 % of total free-emissions electricity generated in Spain, 3.6% more in 2015 than in 2014.

- Nuclear power plants avoid the emission to the atmosphere 45 to 55 million tons of CO2.

- The same as the emissions of entire national car park, around 22 million vehicles.

SPANISH ELECTRIC SYSTEM

Source: Unesa, REE and Foro Nuclear
NUCLEAR WASTE STORAGE

INTERIM HIGH LEVEL WASTE STORAGE (ATI)
TRILLO, ASCÓ, SANTA MARÍA DE GAROÑA, ALMARAZ, COFRENTE

LOW AND INTERMEDIATE LEVEL ACTIVITY RADIOACTIVE WASTE DISPOSAL
-EL CABRIL, CÓRDOBA (south of Spain)

CENTRALISED INTERIM STORAGE FACILITY (LONG TERM, 100 YEARS)
-Called ATC, Government decided to built it in a small village named Villar de Cañas (Cuenca).
-Project stopped because regional administration decided to enlarge Nature 2000 Network in an attempt of finishing the storage and get it to be installed in other location.
SANTA MARÍA DE GAROÑA NPP SHUT DOWN

· STARTED COMMERCIAL OPERATION IN MAY 1971. The oldest in Spain and one of the olders in Europe.

· THE OPERATION PERMIT EXPIRED ON JULY 2013.

· DECEMBER 16th 2012 it is undergoing administrative cessation of activity for economical reasons—a new tax for fossil fuels in Spain—others than nuclear safety or radiological protection.

· MAY 2014: the operator ask the renewal of its operating licence for 17 years, until 2031, until it gets 60 years old.

· This facility openned the Pandora’s Box about the long term of nuclear plants in Spain.

· Now it is waiting for the Nuclear Regulatory Council (CSN in spanish) decission about that and, afterwards the final Government resolution.
SPAIN ENERGY SYSTEM

- HIGH DEPENDENCE FROM FOREIGN FOSSIL FUELS.
- PUBLIC SUBSIDIES TO MAINTAIN NATIONAL COAL MINES THAT HAVE TO END IN 2018.
- SPAIN HAS SIGNED AND IS RATIFYING THE PARIS AGREEMENT AGAINST CLIMATE CHANGE, SO IS NEEDED TO ‘RETHINK’ SPANISH ENERGY MIX TO REDUCE CO2 EMISSIONS AND TO TRANSIT TO A LOW EMISSIONS ECONOMY.
- NEW TAXES STOPPED THE GROWTH POTENTIAL OF RENEWABLE ENERGIES LIKE SUN AND WIND.
SPANISH NUCLEAR SAFETY COUNCIL (CSN)

- The sole nuclear safety and radiation protection authority in Spain.
- Governed by public law and by its charter. It is an independent organism from central government, and it has its own legal personality.
- It is accountable to the Congress of Deputies and the Senate.
- Is boarded by President and five advisors from different political parties: President, 2 advisor from Popular Party (PP, ruling party), 2 from PSEOE (socialist party, at opposition). They have to be approved by government and parliament.
El CSN participa en la trigésima sexta reunión del Comité de Actividades Reguladoras Nucleares (CNRA)

Convocatoria 2016

OFERTA PÚBLICA DE EMPLEO

Documentación para profesionales

Información sobre la central nuclear Vandellos II (Tarragona)

Accesso a área internacional
The Advisory Committee for information and public participation has the following functions:

1. To give recommendations to the Spanish Nuclear Safety Council to ensure and improve transparency.

2. To propose measures to the Nuclear Safety Council that foster access to information and citizen participation in matters within the Nuclear Safety Council’s competence.

3. The Advisory Committee’s recommendations and proposals are not binding for the Nuclear Safety Council. The Advisory Committee meets at least once every six months.
• NGOs, the opposition parties, and a group of civil servants from CSN complain about the regulatory organism because of “lack of transparency”, “lack of Independence from government”, “lack of Independence from nuclear industry”.

• The organism is making the final report about the Santa María de Garoña renewal and ATC, the two more nuclear Controversial issues in Spain right now.
SOURCES OF NUCLEAR INFORMATION FOR JOURNALIST

OFFICIAL

- CONSEJO DE SEGURIDAD NUCLEAR: [https://www.csn.es/](https://www.csn.es/)
- ENRESA: [http://www.enresa.es/esp/](http://www.enresa.es/esp/)

NON OFFICIAL

- EXPERTS, DOCTORS, RESEARCHERS, ETC.: [http://www.congreso.es/](http://www.congreso.es/)
- OPERATORS OF NUCLEAR POWER PLANTS:

NGOs

SOURCES OF INFORMATION

• Administrations: local, regional, national governments

• Departments of Environment, Agriculture, Fishing, Industry, Energy, Infrastructures, Science:

• Other Institutions:
SPANISH GENERAL MEDIA

• Main Radio Channel
  • Radio Nacional de España: www.rne.es
  • Radio 1
  • Radio 5
  • Radio Exterior de España
• Cadena Ser www.cadenaser.com
• Onda Cero www.ondacero.es
• Cope www.cope.es
• Libertad Digital www.libertaddigital.com
• Others

• Main TV Station
  • RTVE: TVE 1, LA2, CANAL 24 HORAS: www.rtve.es
  • ANTENA 3 www.antena3.com
  • CUATRO www.cuatro.com
  • TELECINCO www.telecinco.es
  • LA SEXTA www.lasexta.com
  • 13 TV www.13tv.es
  • Regional TV Channels: TV3, Telemadrid, TVG, ETB, Aragón TV, C-LM TV, Televisión CyL, Canal Sur...
• Others
NEWSPAPERS

• EL MUNDO [elmundo.es](http://elmundo.es)
• EL PAÍS [elpais.es](http://elpais.es)
• ABC [abc.es](http://abc.es)
• LA RAZÓN [larazon.es](http://larazon.es)
• LA VANGUARDIA [lavanguardia.com](http://lavanguardia.com)

ONLINE NEWSPAPERS:

• El Español [elespanol.com](http://elespanol.com)
• El Confidencial Digital [elconfidencial.com](http://elconfidencial.com)
• Huffington Post [huffingtonpost.es](http://huffingtonpost.es)
• El diario.es
• Sabemos.es

LOCAL NEWSPAPERS

• EFE [efe.es](http://efe.es)
• EUROPA PRESS [europapress.es](http://europapress.es)
• SERVIMEDIA [servimedia.es](http://servimedia.es)
• COLPISA [colpisa.com](http://colpisa.com)
• ICAL and other regional ones
  • [icalnews.com](http://icalnews.com)
PUBLIC OPINION ABOUT NUCLEAR ENERGY

· INTEREST IN THESE ISSUES IS DECREASING IN SPAIN
· BECAUSE OF THE FINANCIAL, POLITICAL AND SOCIAL CRISIS IN THE COUNTRY
· MOST OF THE PEOPLE IS NOT VERY WELL INFORMED ABOUT THIS TECHNOLOGY: MANAGEMENT, RISKS, BENEFITS, DIFFERENT APPLICATIONS BUT… JUST IN CASE… IS MORE AGAINST NUCLEAR ENERGY THAN IN FAVOUR OF.
· DISCUSSION ABOUT LONG TERM OPERATION IS NOT THE DAILY TALK OF THE TOWN.
· THE OPPOSITION AND NGOS ARE AGAINST NUCLEAR POWER.
· PEOPLE IS ONLY CONCERNED ABOUT GAROÑA AND THE FUTURE ATC (CENTRALIZED INTERIM STORAGE FACILITY)