



# **Audizione presso la 10a Commissione del Senato**

**Affare assegnato sulla gestione e messa  
in sicurezza dei rifiuti nucleari sul  
territorio nazionale (n. 60)**

**Roma, 25 Settembre 2018**

# INVENTARIO RIFIUTI RADIATIVI

## RADIOACTIVE WASTE

3.313 million m<sup>3</sup>\*

70% disposed  
of 30% stored

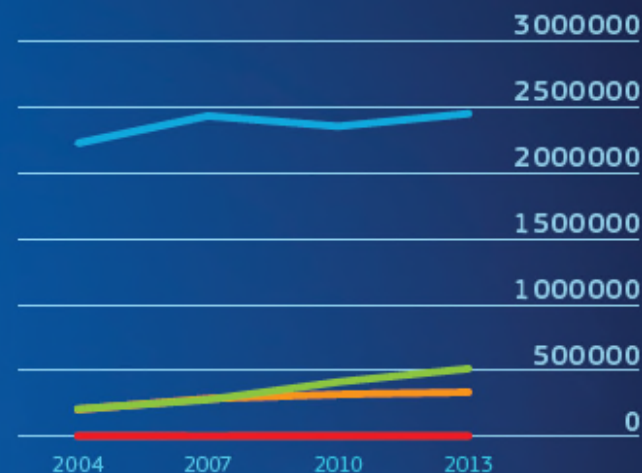
≈



x3



|      |      |
|------|------|
| VLLW | 15%  |
| LLW  | 74%  |
| ILW  | 10%  |
| HLW  | 0.2% |



\*Volume of EU's radioactive waste in 2013



European  
Commission

# INVENTARIO COMBUSTIBILE IRRAGGIATO

## SPENT FUEL

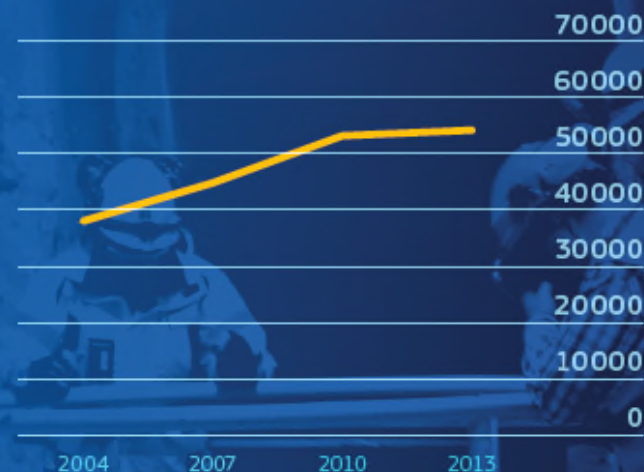
54300 tHM\*



All **spent fuel** is currently in storage (wet or dry)

There are no disposal facilities for spent fuel in operation worldwide and the first one in the EU is planned for 2022.

Most MS operating research reactors plan to return spent fuel to the supplier before 2020.

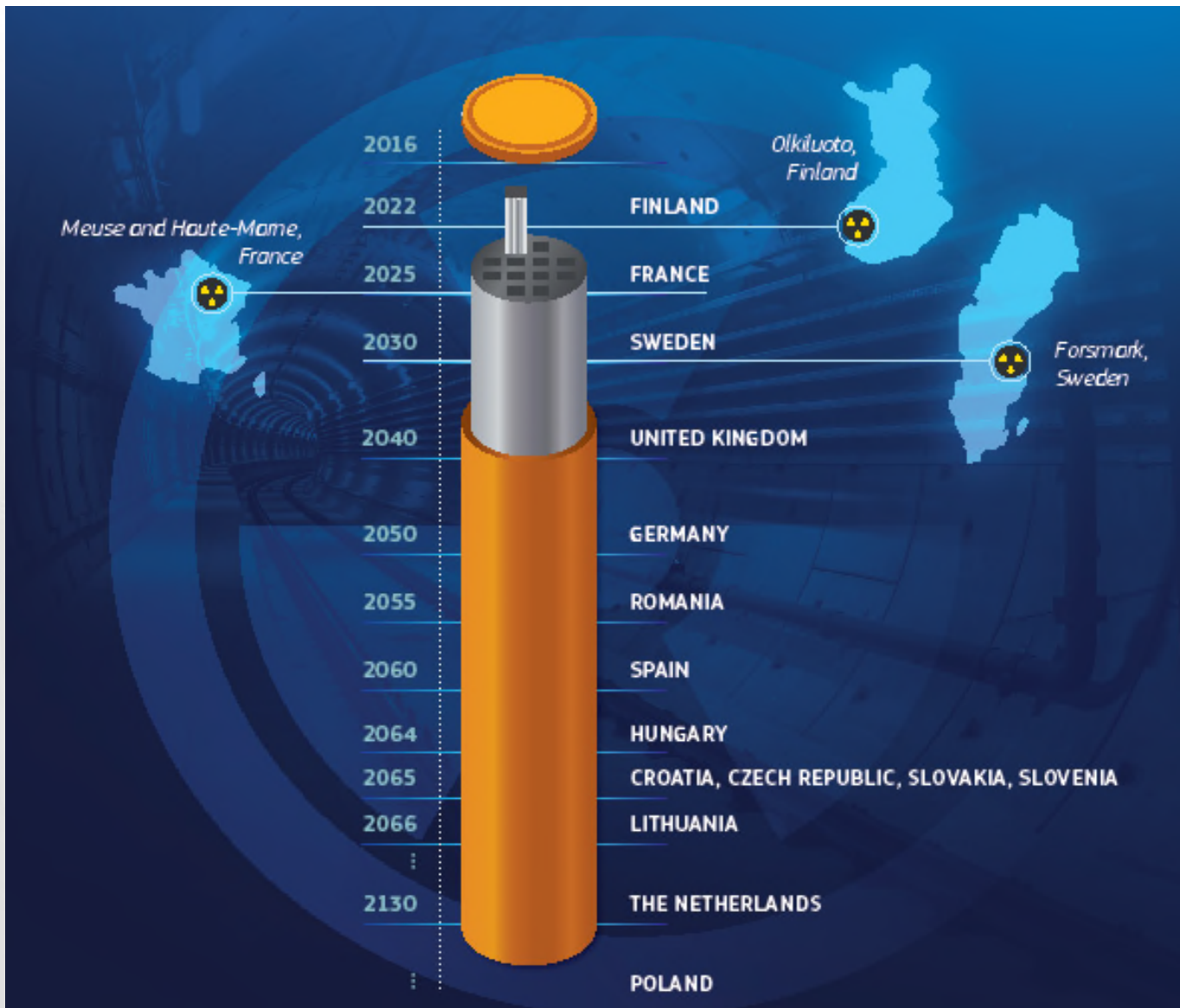


\*Volume of EU's radioactive waste in 2013



European  
Commission

# PROGRAMMI NAZIONALI



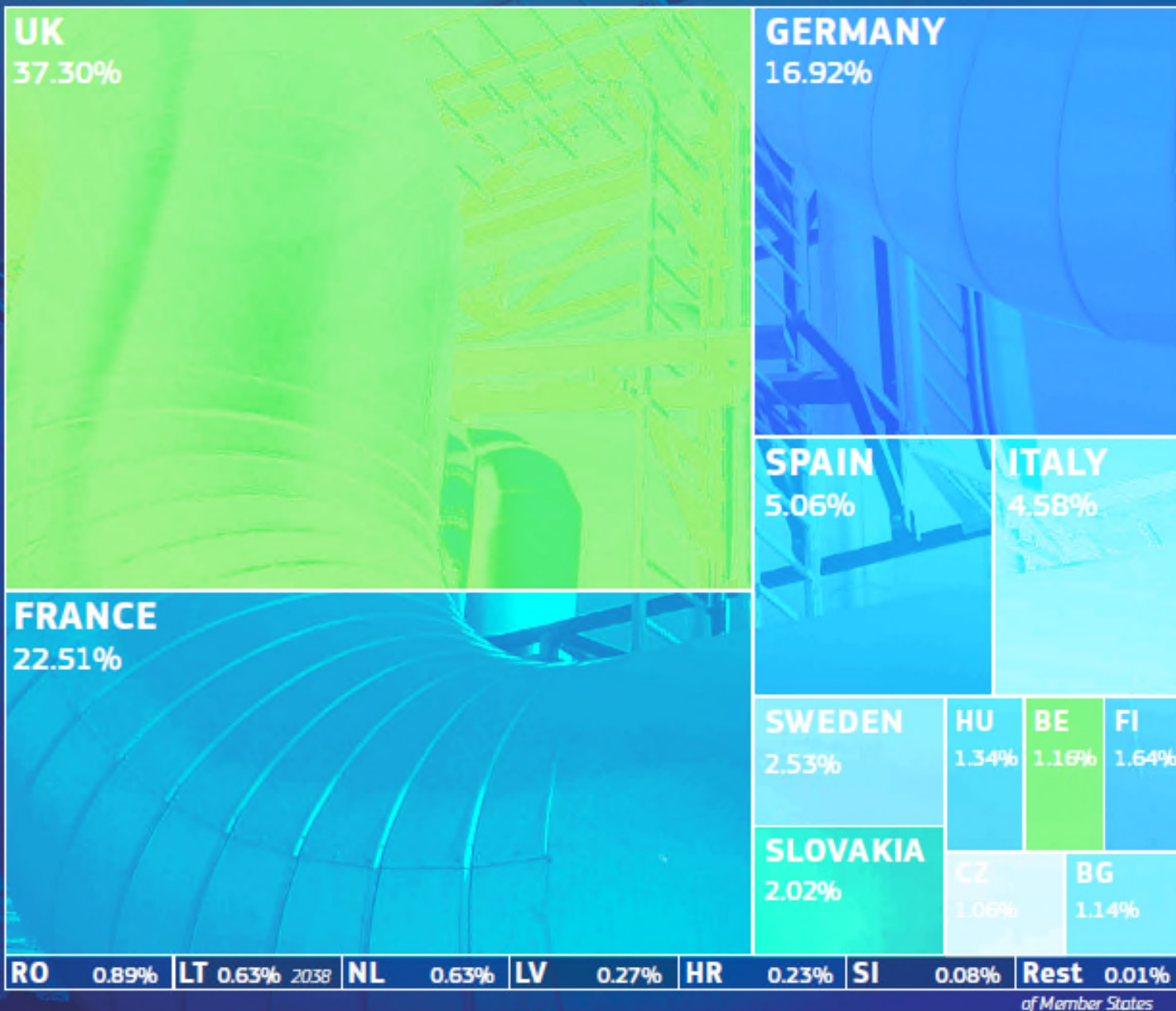
**15 Paesi Membri UE hanno pianificato di realizzare installazioni sotterranee di smaltimento per i rifiuti ad attività intermedia e alta, e per il combustibile nucleare irraggiato**



# ~ EUR 400 billion

ESTIMATED FOR RADIOACTIVE WASTE AND SPENT FUEL MANAGEMENT PROGRAMMES ACROSS THE EU

STIME DEI COSTI





European  
Commission

**GRAZIE**

<https://ec.europa.eu/energy/en/home>