Disposal programme The Netherlands

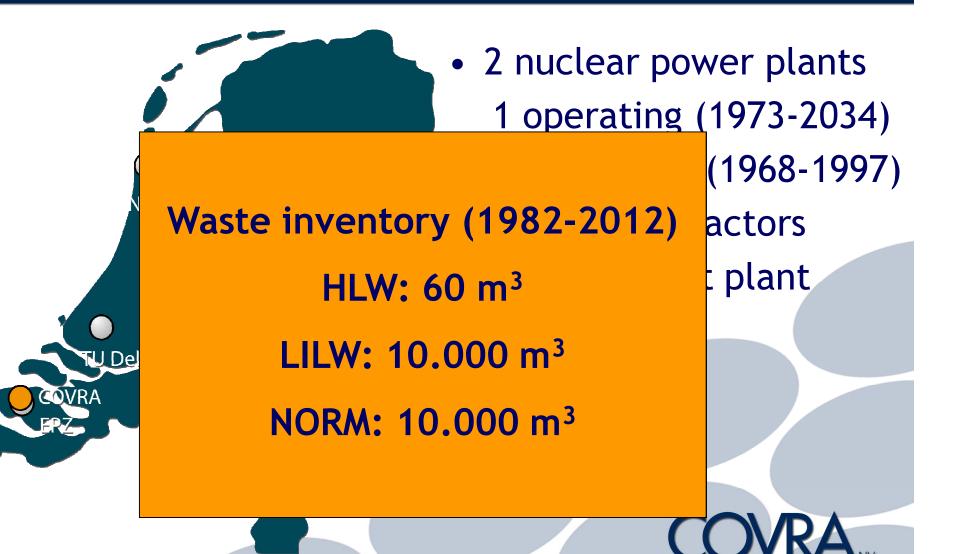
Hans Codée COVRANV

WM'12 Phoenix, USA 28 February 2012

THE NETHERLANDS



WASTE PRODUCERS IN THE NETHERLANDS



3



SOLUTIONS FOR THE NETHERLANDS



- small amount of waste
- high ground water table
- high population density
- high environmental awareness
- advanced spatial planning
 no shallow disposal, only deep disposal



DISPOSAL SOLUTIONS



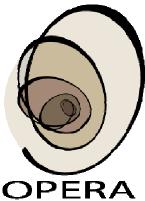
POLICY THE NETHERLANDS

- at least 100 years storage, in buildings
- deep disposal HLW+LILW after 100 years
- look for cooperation
- double track policy
- research programme: OPERA



OPERA

OnderzoeksProgramma Eindberging Radioactief Afval



- five year programme: "possibility of safe, long-term disposal in the Netherlands"
- focus: Boom clay (and rocksalt)



OPERA

ResearchProgramme Disposal Radioactive Waste

- Goals:
 - 1. Evaluation previous studies
 - 2. Initial, conditional Safety Case
 - 3. Societal aspects



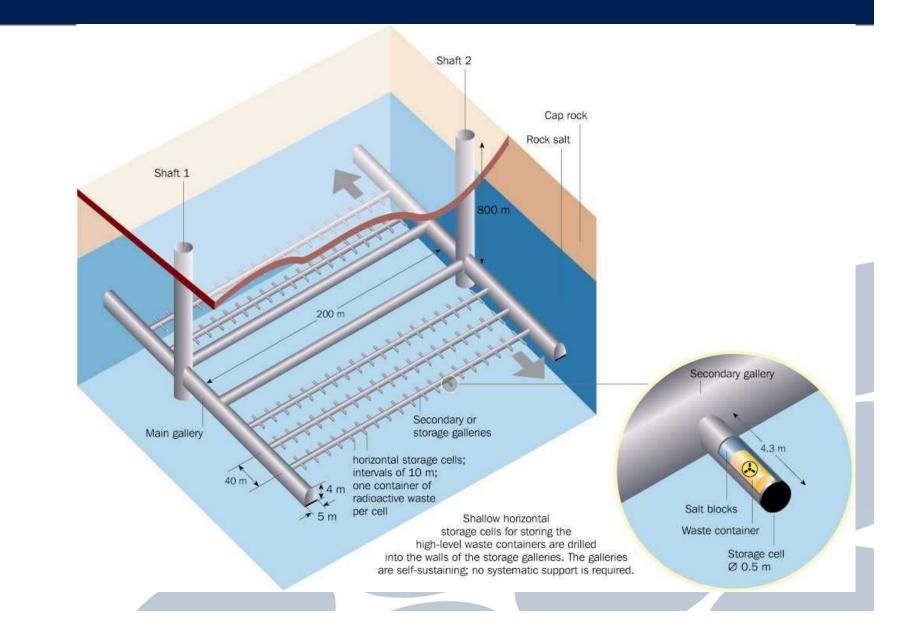


FEASIBILITY STUDIES

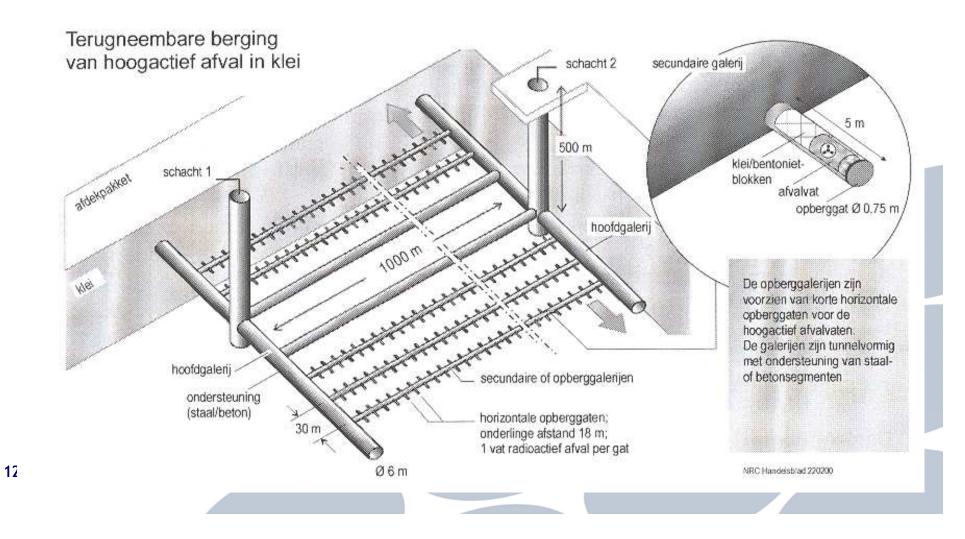
- Research since 1970
- 1982
 - Disposal,
 - National International
- OPLA (rocksalt)
 - 1984 1989
 - 1989 -1993
- 1993 retrievability
- CORA (rocksalt, clay, retrievability)



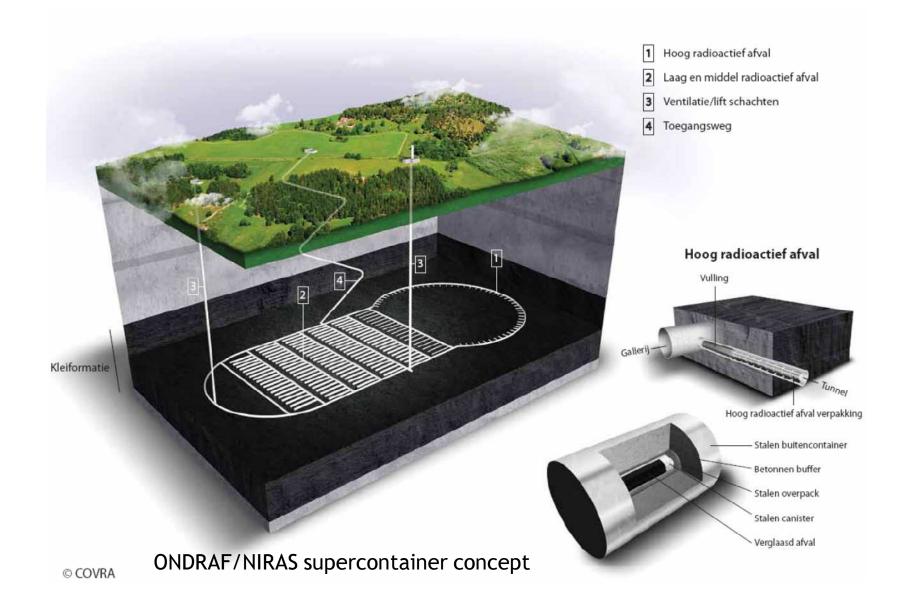
DISPOSAL CONCEPT - rocksalt



DISPOSAL CONCEPT - clay

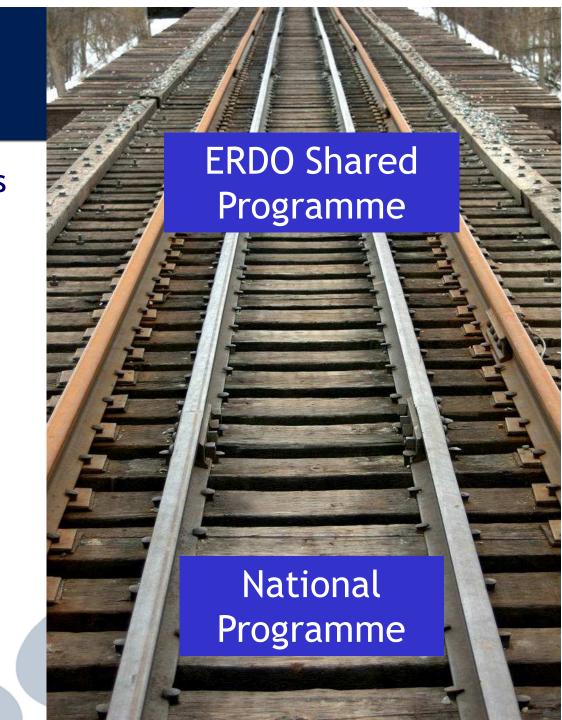


DISPOSAL CONCEPT - OPERA



ERDO: 'Dual Track'

- participating countries must have a national programme to seek a national solution
- shared staff, teams, facilities, projects... reduces costs
- membership of ERDO provides prospect of a shared solution
- National and shared 'tracks' run together, nested within each other



NORTH SEA DISPOSAL in SALT?



Active for the future www.COVRA.nl