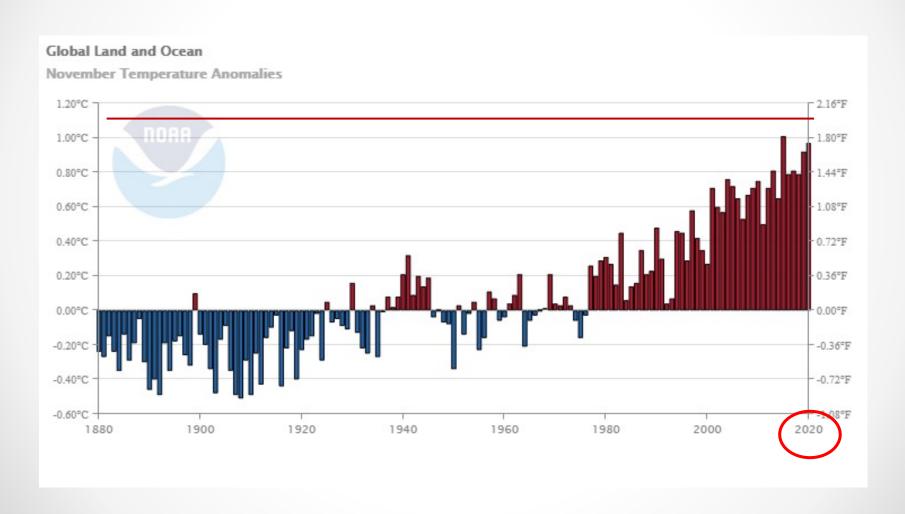
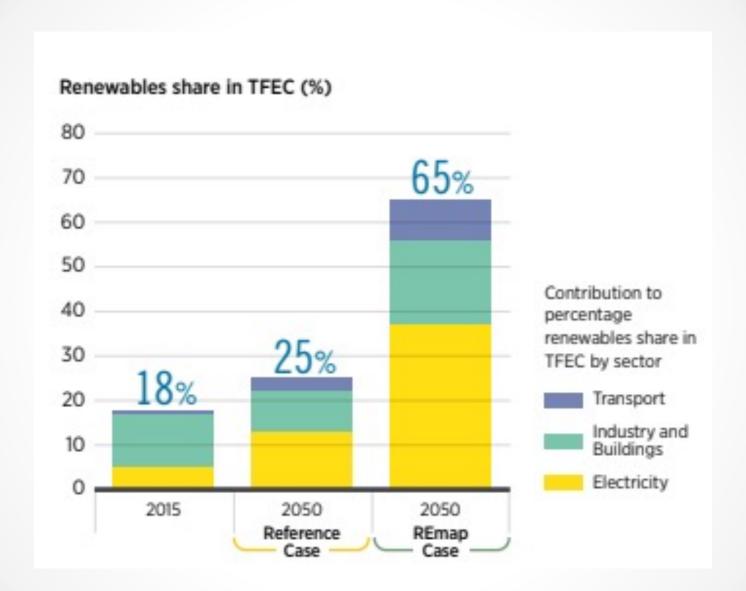
Énergie

Federico Carminati 27 mars 2021



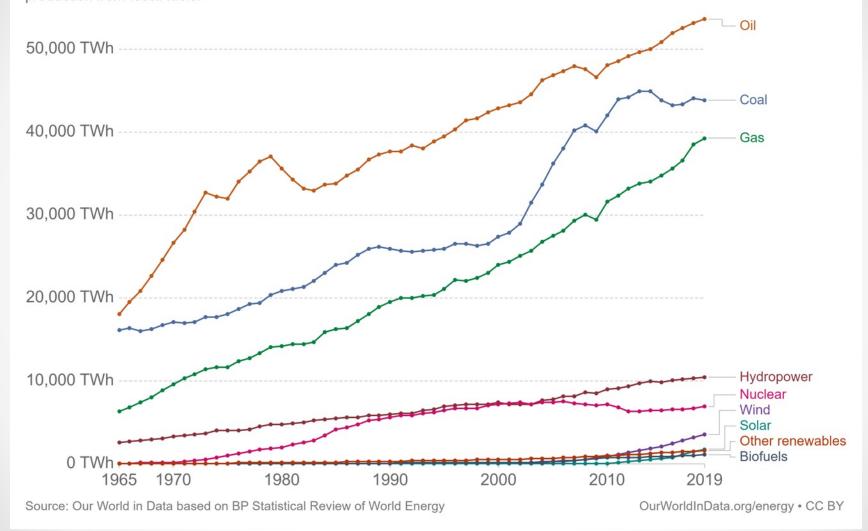


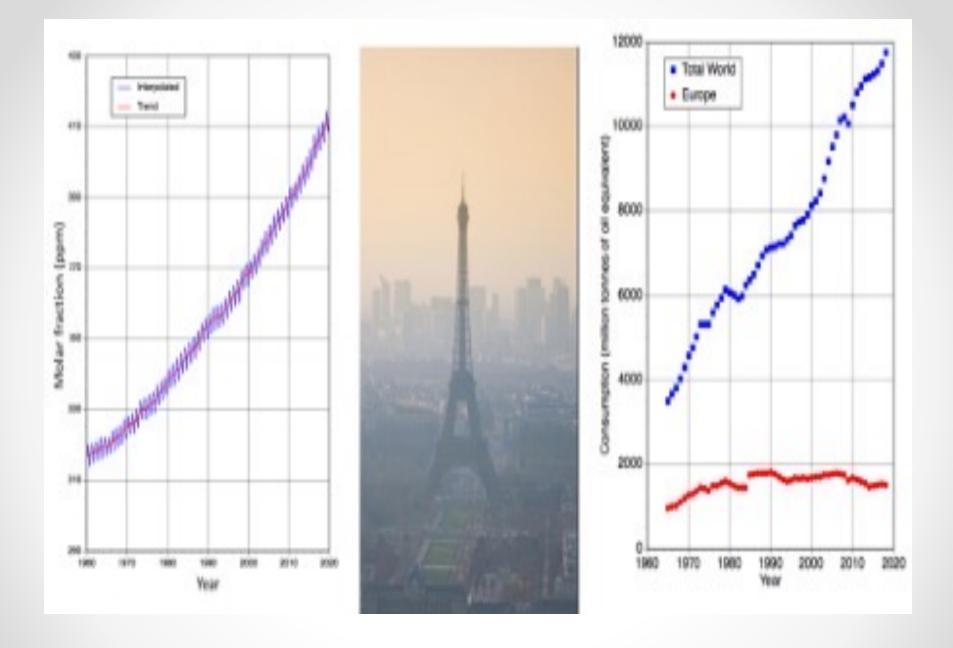


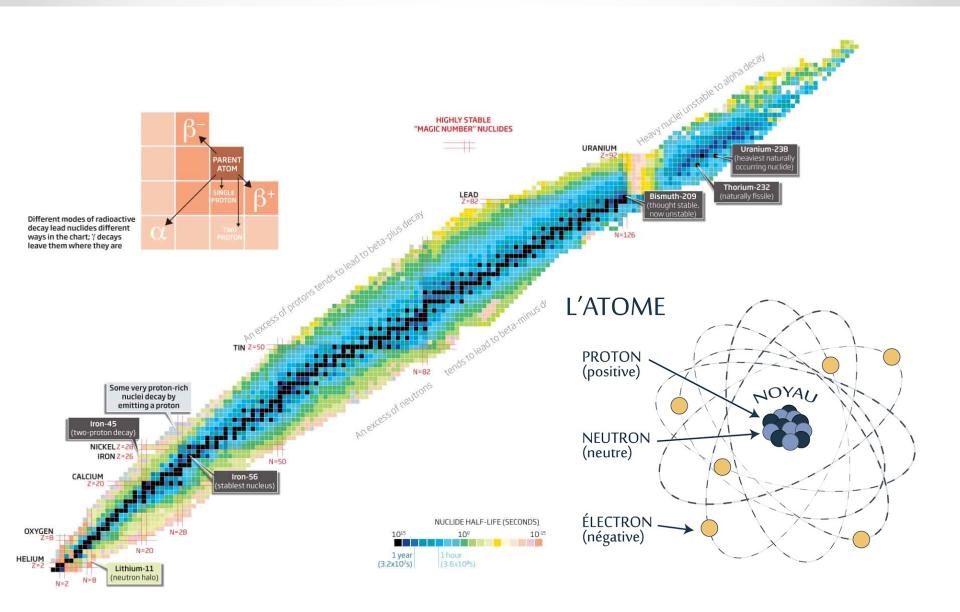
Primary energy consumption by source, World

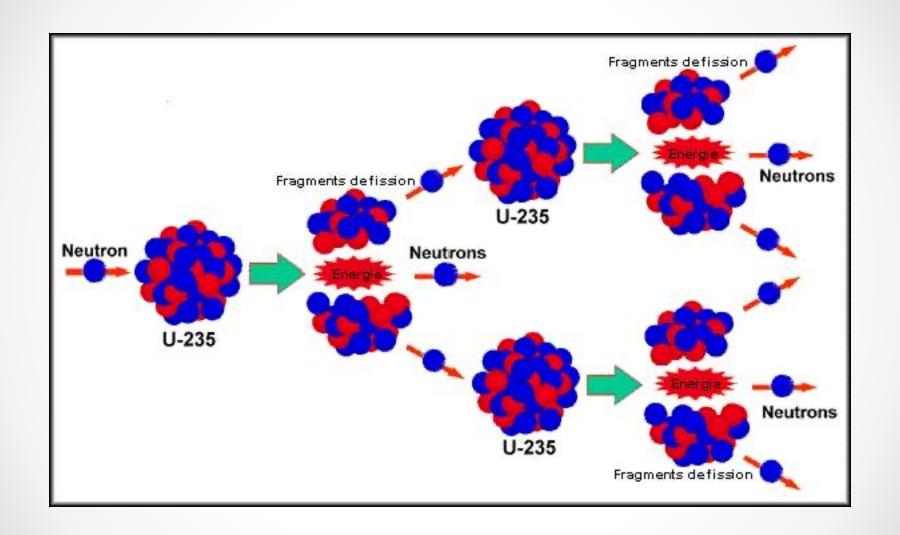


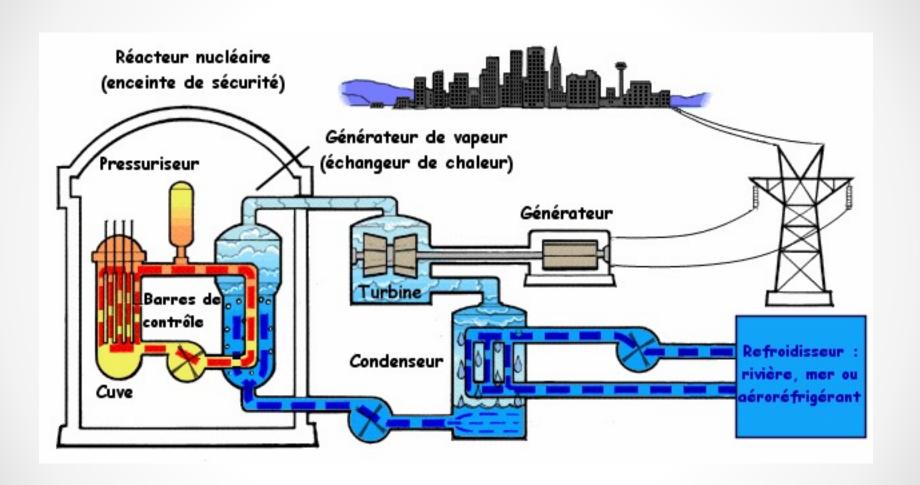
Primary energy is shown based on the 'substitution' method which takes account of inefficiencies in energy production from fossil fuels.

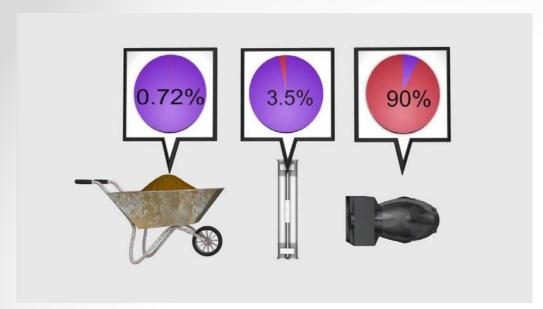


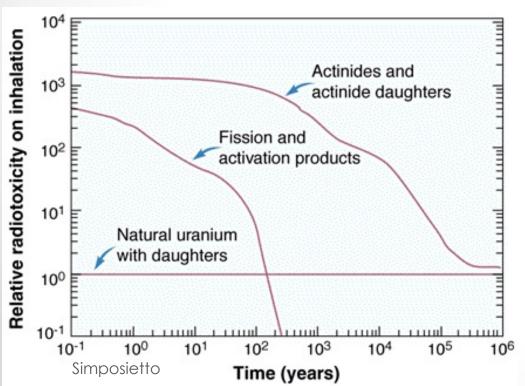


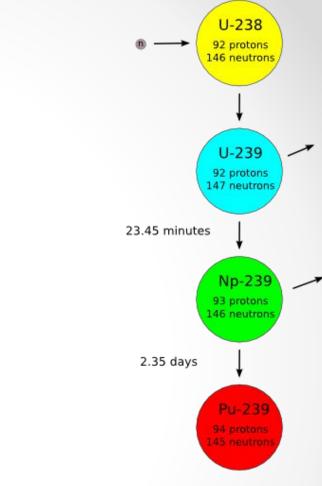


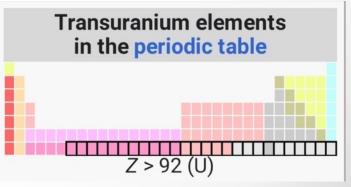




















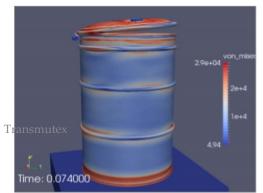
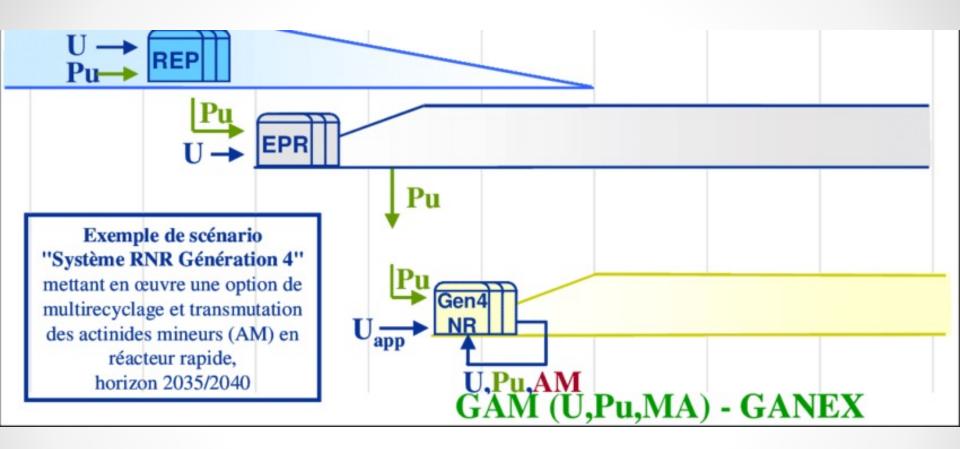




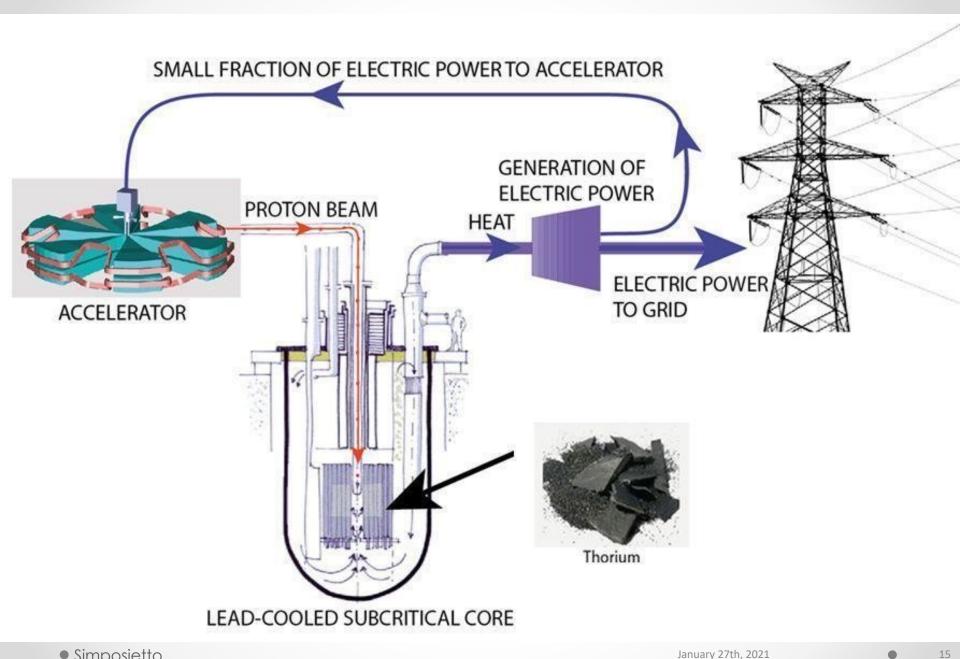
Figure 4-5. Analysis results for case with original estimate of properties and "slow" loading (left) hatehes any 27th, 2021 • 11 observed damage seen in post-event photograph of Drum 68660 showing discoloration and lid displacement (right).

Simposietto

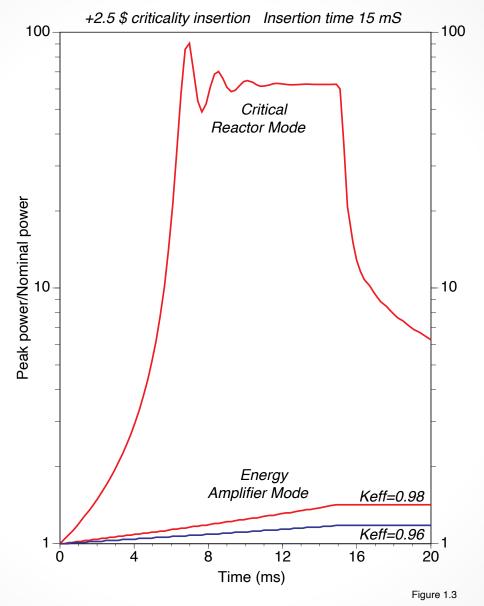




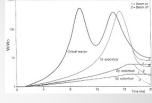


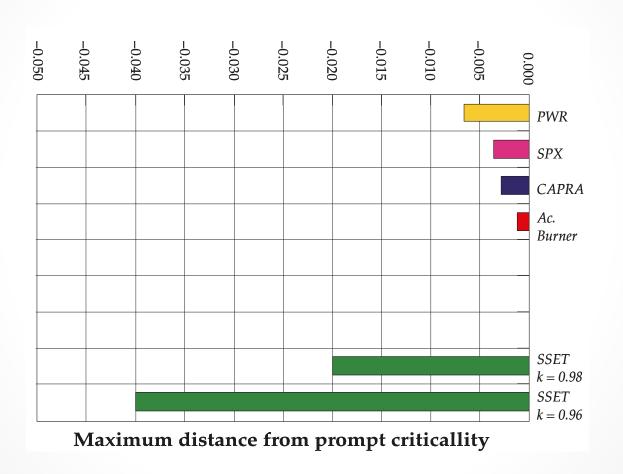


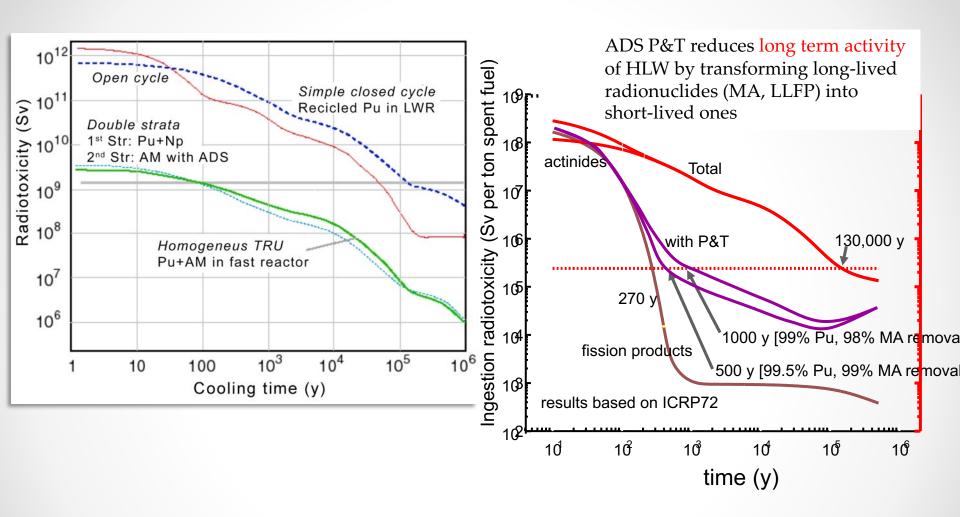


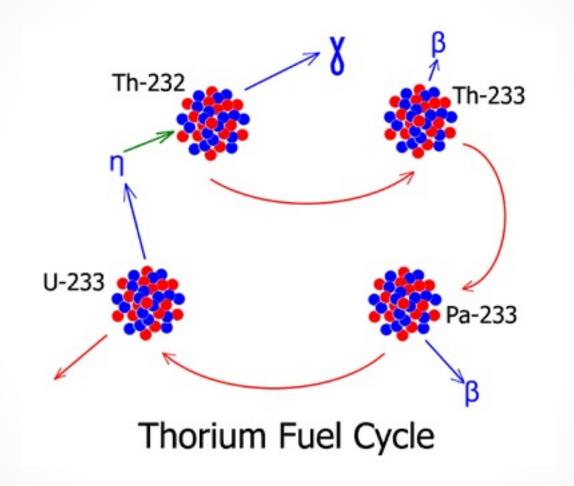


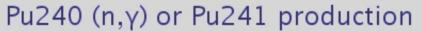
C. Rubbia et al., CERN/AT/95-53 9

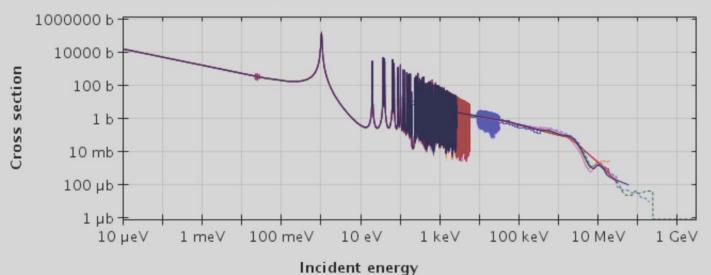




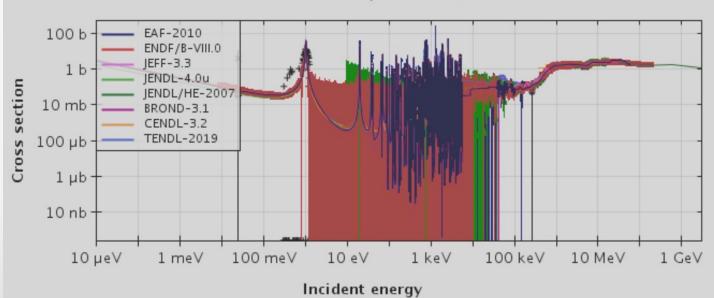




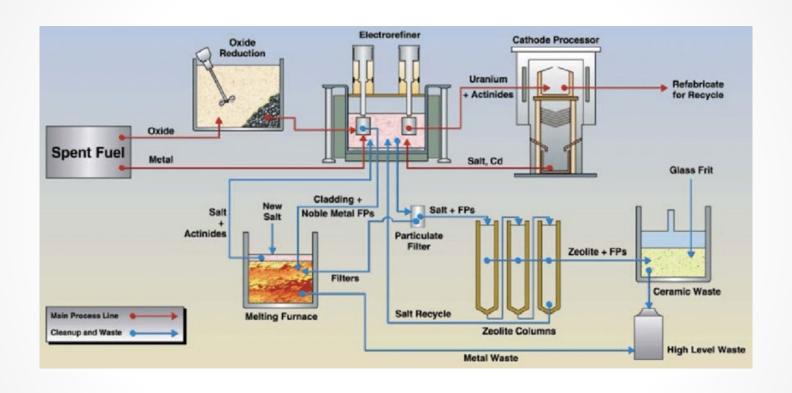


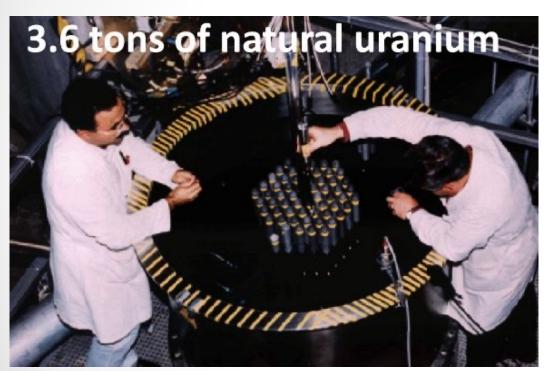


Pu240 (n, fission)

















Target Shielding

Main EMP Flowmeter

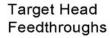
Bypass EMP Flowmeter

Upper Target Enclosure

Main Guide Tube

Bypass Flow Guide Tube

> LBE Leak Detector



Expansion Tank

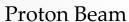
12 Pin Heat Exchanger

Central Rod Heaters and Neutron Detectors

T91 Lower Liquid Metal Container

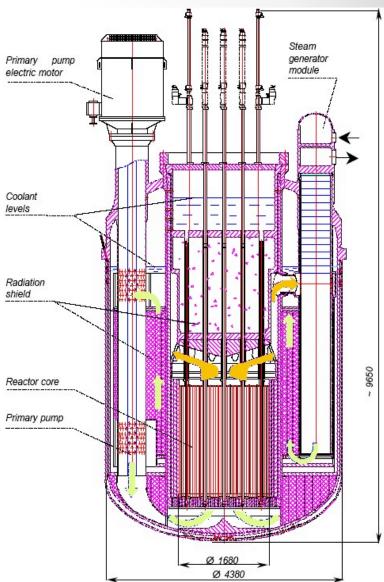
Lower Target Enclosure



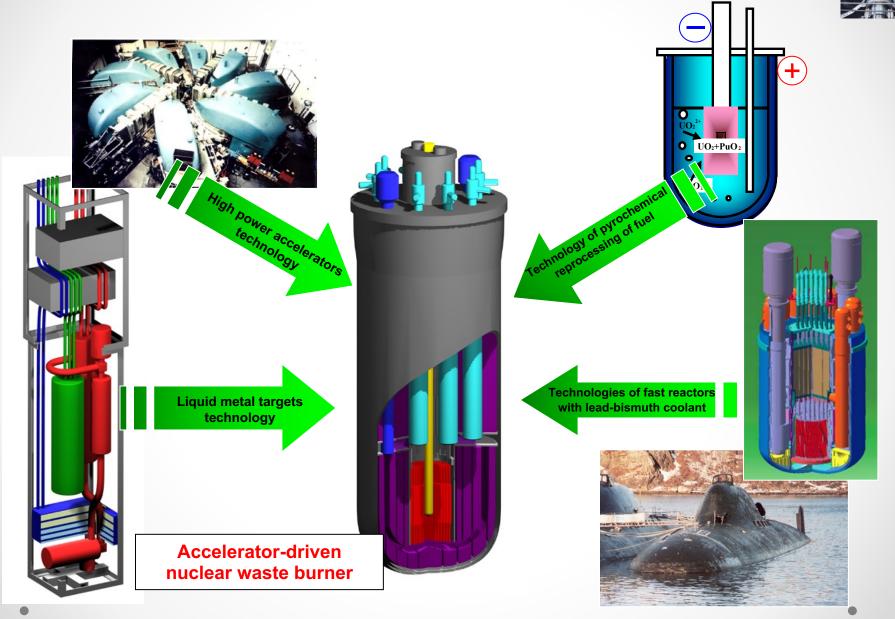


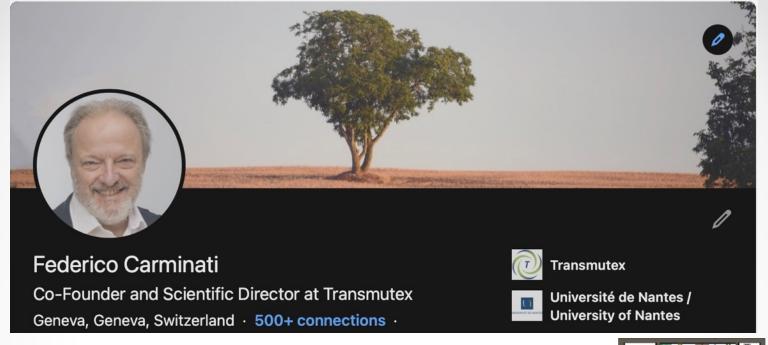






Using existing technologies







High-Power Cyclotron: PSI - CH, INFN - Italy

Waste pyro-processing: Argonne National Laboratory -USA







Spallation Target: PSI – CH



Lead-Bismuth fast reactor SVBR 100 from AKME -Russia





... à suivre et merci pour votre attention...