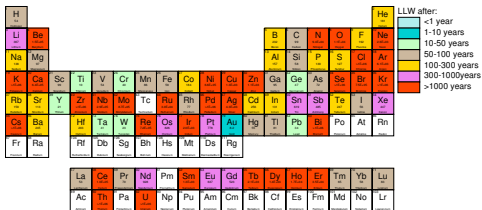
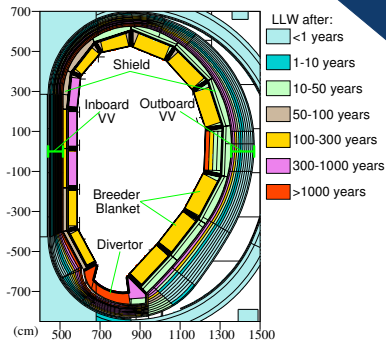


# Waste implications from minor impurities in European DEMO materials

- Predictions via neutron-transport and inventory simulations
- Waste criteria based on global activity limits for UK low-level waste (LLW)
- reveal potential issues surrounding nitrogen in Eurofer ( $^{14}\text{C}$  production), actinide impurities in beryllium, and cobalt impurities in manufactured tungsten



- long-lived activity in blanket, divertor and some vacuum vessel regions caused by minor impurities
- scoping of pure elements highlights those that cause problems for waste as impurities