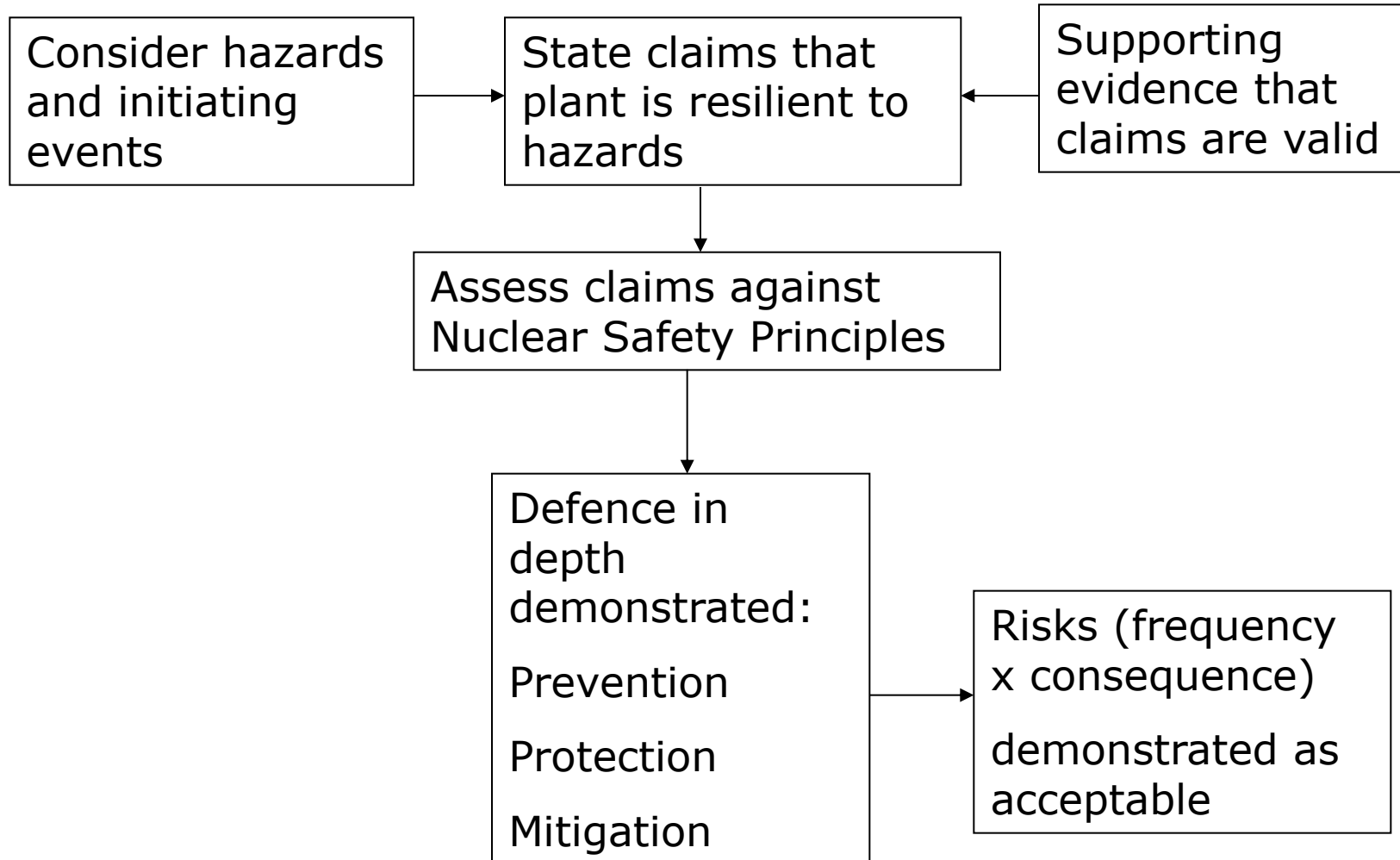




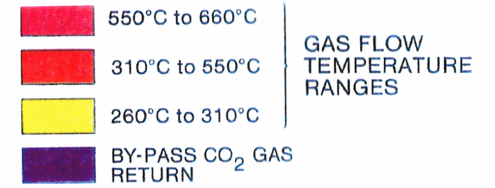
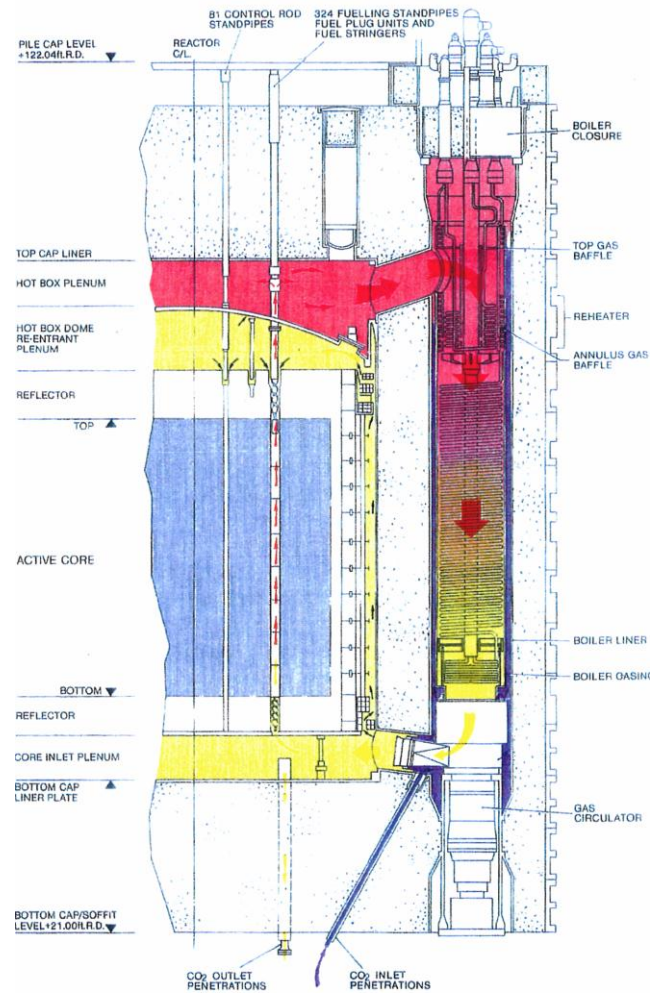
Nuclear Energy

Chris Sigournay, EDF Energy

Safety case model

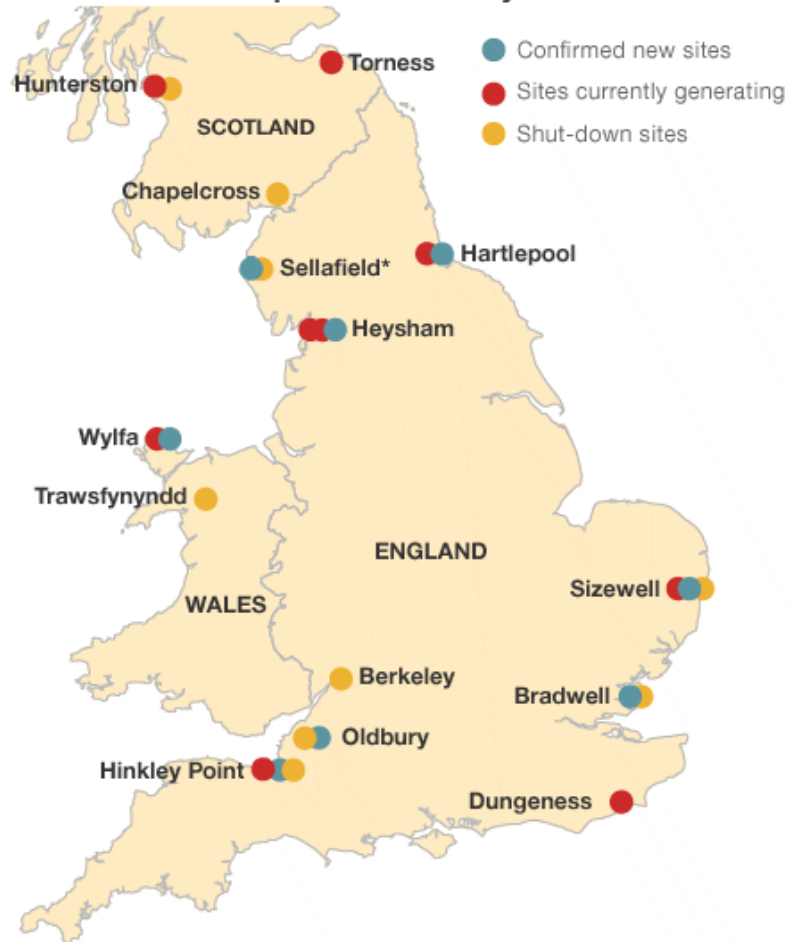


Hot Box Dome



UK sites

Sites for new nuclear power stations by 2025



*Shut-down site known as Calder Hall

SOURCE: DECC



Changes affecting electricity generation

- 3GW of fossil plants offline at the end of 2015
- 40% of current generation is coal
- Increasing prices (carbon trading, resource competition)
- Grid to be zero carbon by 2050
- Forecast 50% increase in demand
- Government predicts 22-38GW nuclear capacity requirement by 2030 (2013 figure: 9GW)
- Costs of not going nuclear estimated at £9bn/yr (about £150 per person)