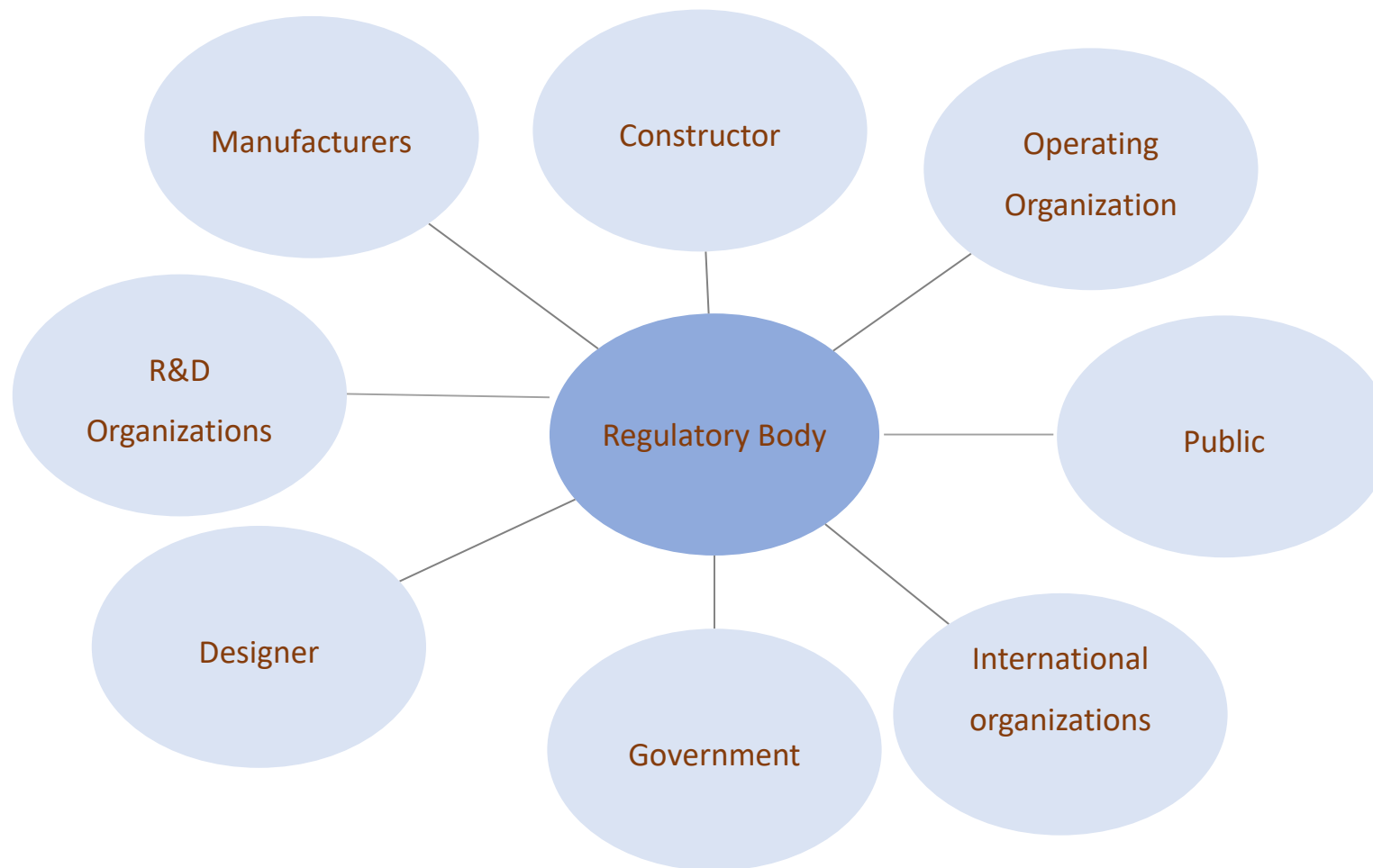
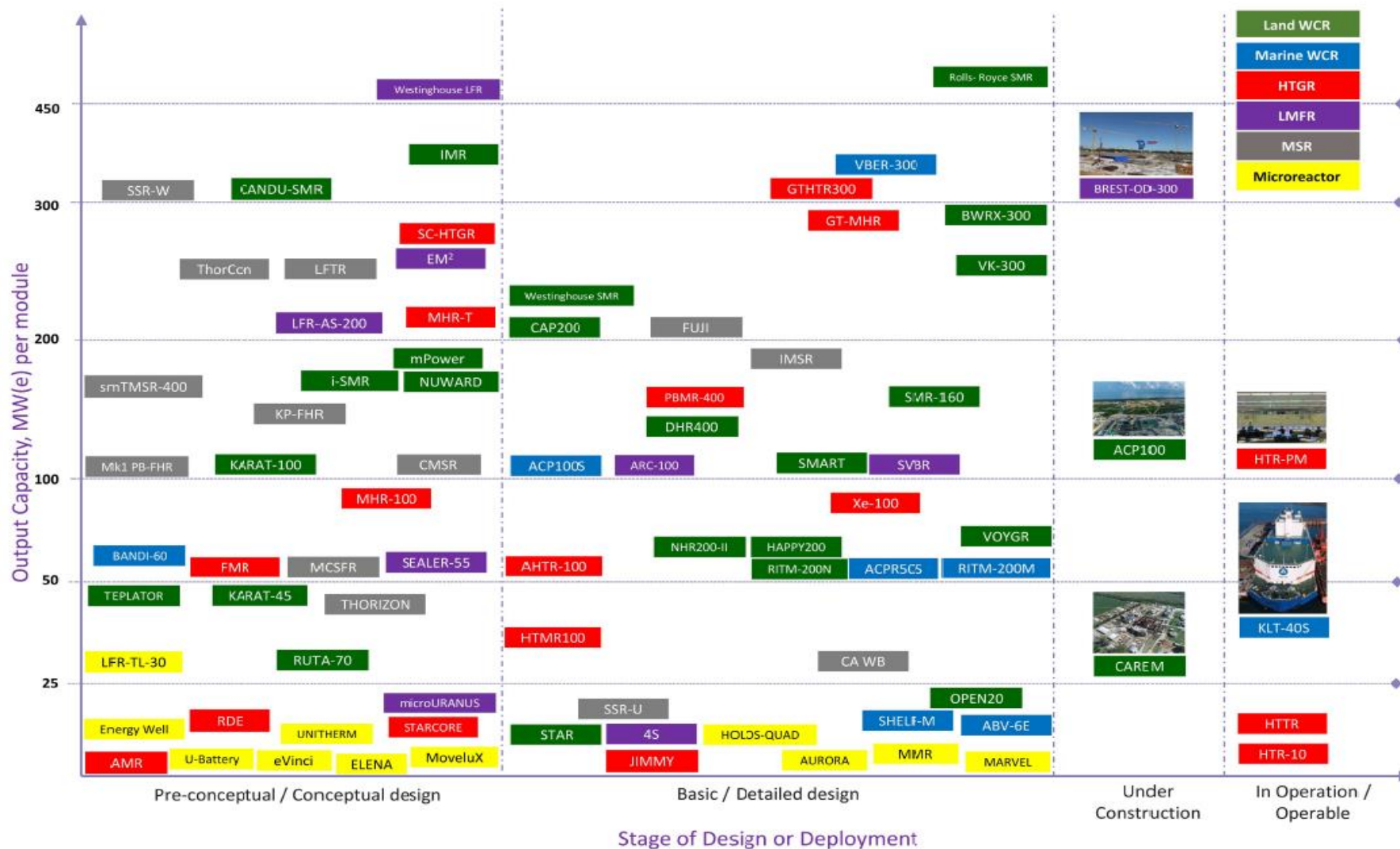


# Success of SMR Deployment



# SMR readiness

(Source: IAEA ARIS, 2022)



# Key Challenges of SMR Safety Regulation

National regulations that are applicable to water-cooled and non-water-cooled SMRs

IAEA Safety Standards and SMR Nuclear Harmonization and Standardization Initiative (NHSI)

1. Siting - **SSR-1**
2. Design safety regulation - **SSR-2/1**
  - a) Safety principles and concepts
  - b) Management of safety design
  - c) General safety requirements
  - d) Interfaces of safety, security and safeguards
  - e) Specific safety requirements for SSCs
3. Commissioning and operation - operating experience - **SSR-2/2**
4. Waste management and decommissioning - **GSR Part 5 and Part 6**