

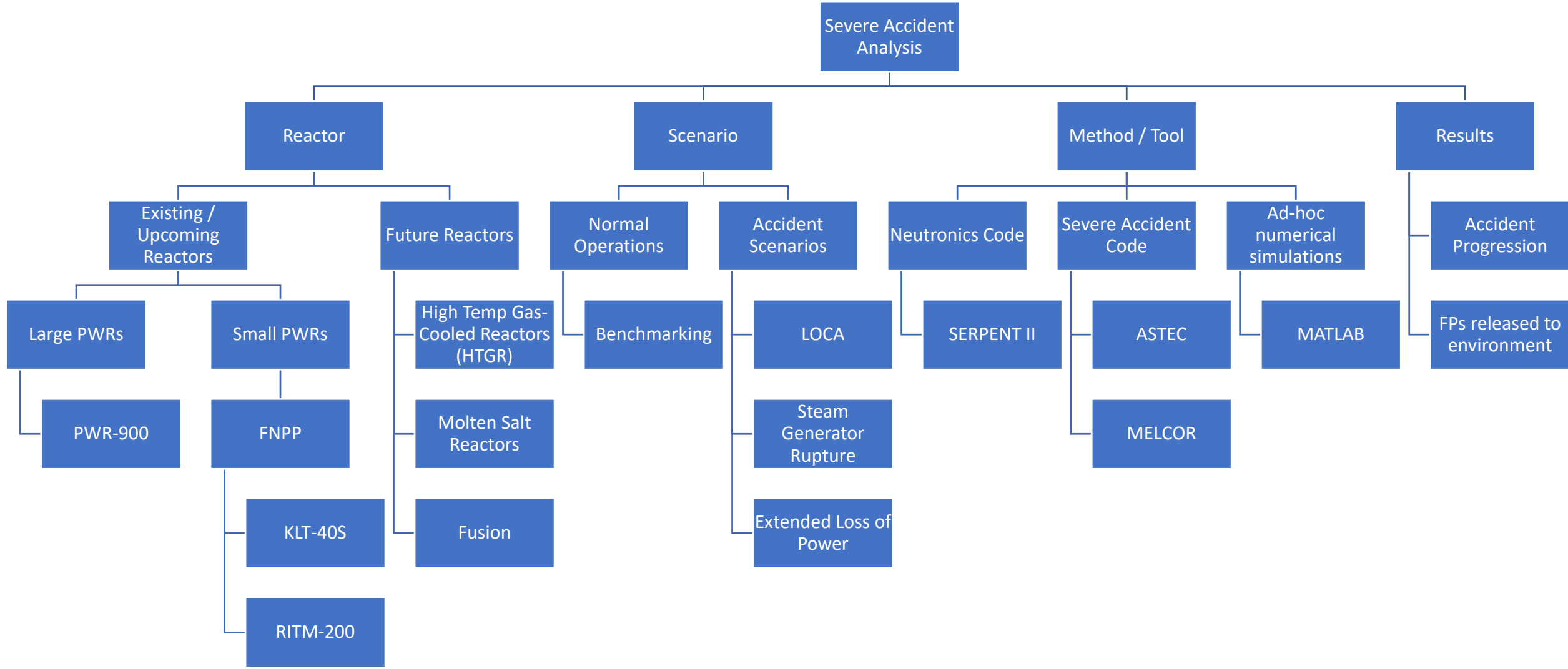


Severe Accident Analysis

ASEAN NPSR 4th Annual Meeting

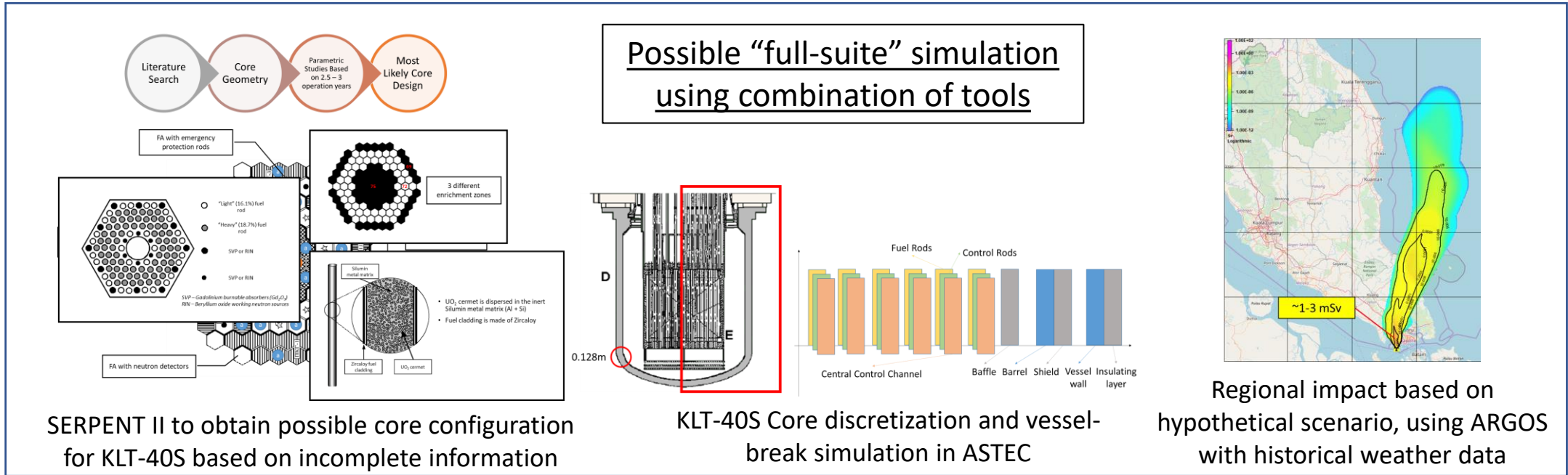
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Current Research Interests



Examples of past / current research

- SERPENT II input card for possible KLT-40S core configuration
- ASTEC input deck for PWR-900-like reactor
- ASTEC input deck for KLT-40S-like reactor
- MELCOR input deck for HTGR (ongoing)



Common issues faced / Some possible areas of collaboration

- Lack of technical specifications of reactor
- Benchmarking / verifying simulation results
 - New reactors have limited operational data available
 - Severe accident simulation results difficult to verify
- Some ideas:
 - Compare between simulations
 - E.g. PWR-900 input deck in ASTEC vs MELCOR
 - Benchmark problem between member states
 - Model and simulate a research reactor belonging to a member state

Possible modes of collaboration

- Online Workshop
- Joint Studies
- Research Projects for students
- Field Trips (post-COVID)