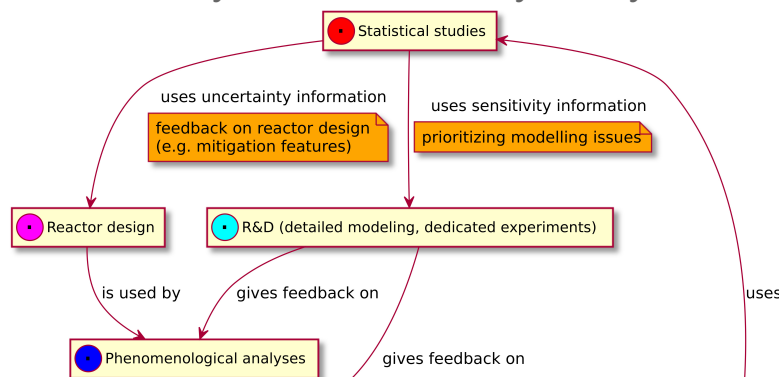


# SOFTWARE PLATFORM PROCOR FOR CORIUM PROPAGATION

## PROCOR methodology for corium propagation analyses in LWRs:

### ■ Sensitivity/uncertainty-driven work cycle:

- phenomenological analysis: (semi-)analytical analysis associated to different possible corium propagation scenarios → order of magnitudes/characteristic times  
→ guidelines for the models assembly and parameterization in the transient code
- model development/simplification/reduction
- sensitivity and uncertainty analyses with a dedicated transient lumped parameter code



### ■ Main motivations:

- supplement integral source-term codes for detailed statistical studies
- statistical studies carried out with stationary model of corium pool configurations (“bounding cases”) may be insufficient (e.g. transient focusing effect)

- **Input data:** core degradation calculations from an integral code

