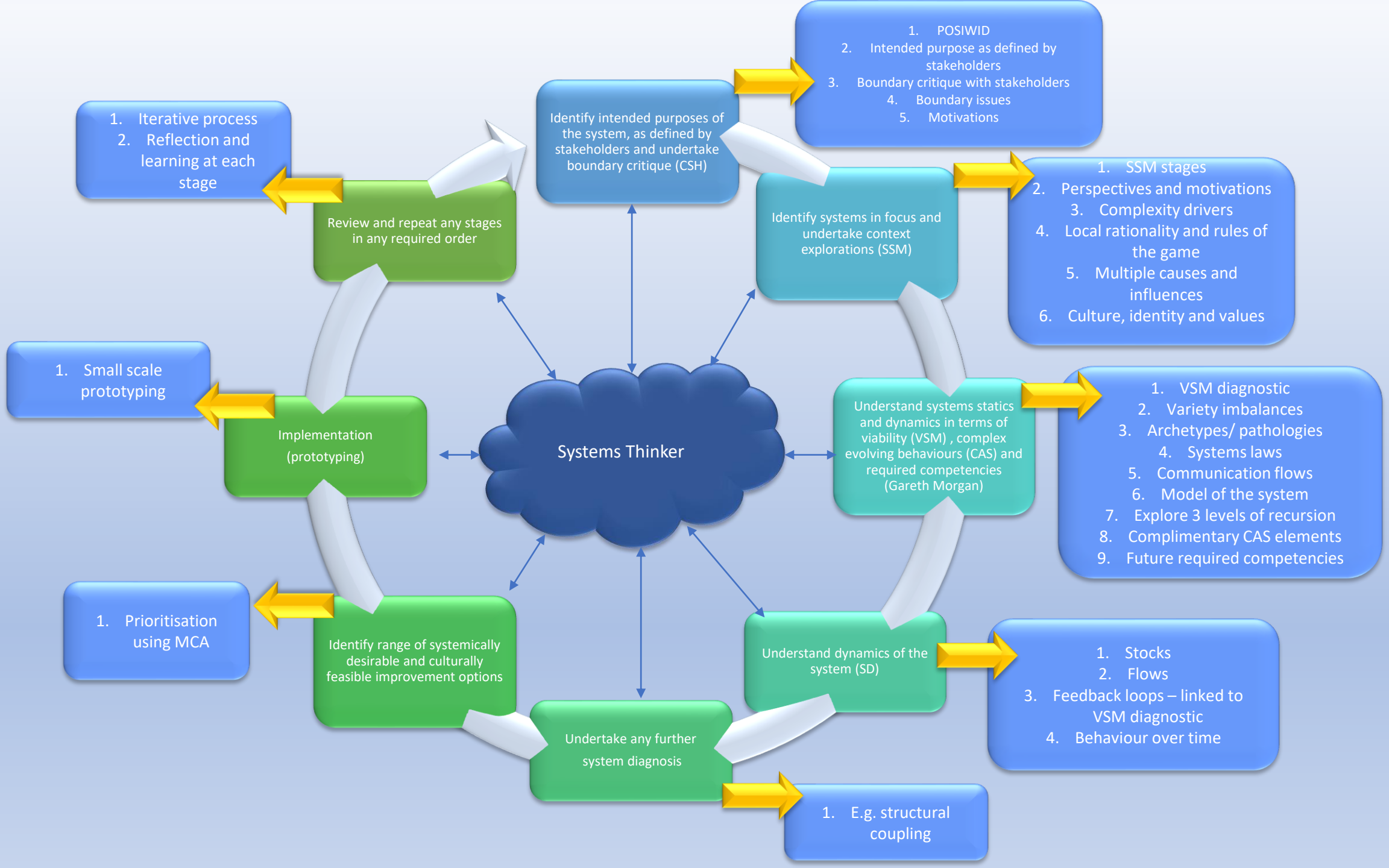
Systems Thinker
Identify intended purposes of the system, as defined by stakeholders and undertake boundary critique (CSH)
1. POSIWID
2. Intended purpose as defined by stakeholders
3. Boundary critique with stakeholders
4. Boundary issues
5. Motivations
Identify systems in focus and undertake context explorations (SSM)
1. SSM stages
2. Perspectives and motivations
3. Complexity drivers
4. Local rationality and rules of the game
5. Multiple causes and influences
6. Culture, identity and values
Understand systems statics and dynamics in terms of viability (VSM) , complex evolving behaviours (CAS) and required competencies (Gareth Morgan)
1. VSM diagnostic
2. Variety imbalances
3. Archetypes/ pathologies
4. Systems laws
5. Communication flows
6. Model of the system
7. Explore 3 levels of recursion
8. Complimentary CAS elements
9. Future required competencies
Understand dynamics of the system (SD)
1. Stocks
2. Flows
3. Feedback loops – linked to VSM diagnostic
4. Behaviour over time
Undertake any further system diagnosis
1. E.g. structural coupling
Identify range of systemically desirable and culturally feasible improvement options
1. Prioritisation using MCA
Implementation (prototyping)
1. Small scale prototyping
Review and repeat any stages in any required order
1. Iterative process
2. Reflection and learning at each stage