

Small Group Session A: Benefitting from MBSE - Process vs Pragmatism

Topic - Context/Problem

- An organisation is taking advice on the benefits of MBSE, anticipating quick wins from design/product re-use, as this typically involves considerable time and effort in tailoring
- It has the resources for MBSE tools, consultancy and initial training
- It plans to define an MBSE framework and process tailored to its products
- It plans to dovetail ongoing skills development with project work
- Ability and commitment is high; many users are expected to develop good practice; some will achieve deep knowledge of models/application contexts
- However the framework and process might seem cumbersome; some users may work inconsistently and time/resource pressures may cause shortcuts

Core Goals of Discussion

- Awareness of the Systems Thinking attitudes/habits that need to be cultivated to establish ways of working to:
 - Make design/product re-use more effective
 - Put teams and users on a better footing with each project
 - Manage constant improvement of the framework, process and user training
 - Enable management to retain confidence in the value of MBSE

Key Questions

- Assuming the framework and process deliver the core benefits required, what attitudes/habits will be fundamental to constant improvement (tailoring, streamlining, pragmatism) while in use?
- Will (or how much will) the challenges (issues/risks) lie in:
 - Expectations vs culture?
 - Scale vs time/resource?
 - Training/coaching?
 - Other factors?