"A Proof-of-Concept Demonstration of Dynamic Synthetic Environments in Distributed Simulation"
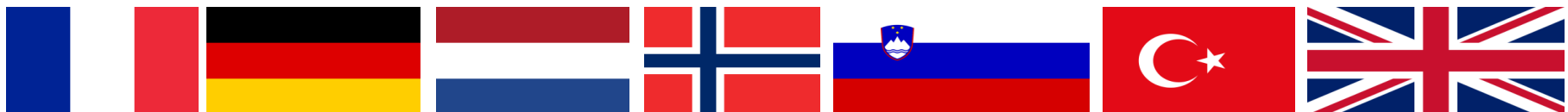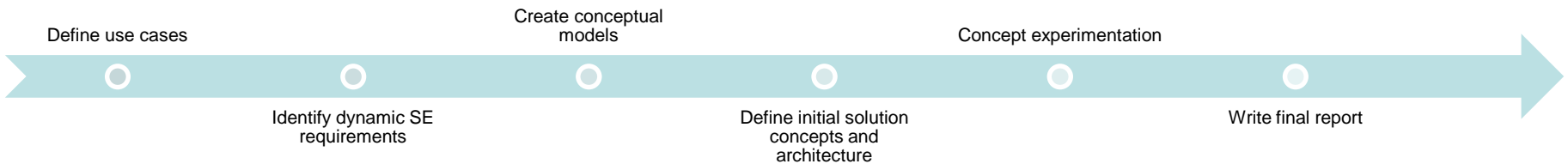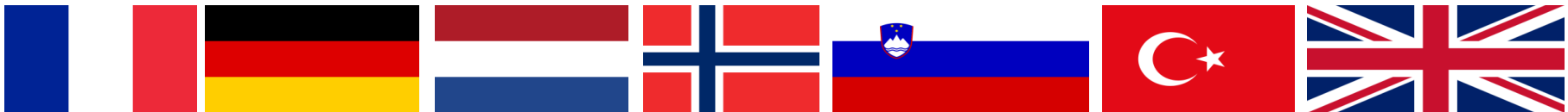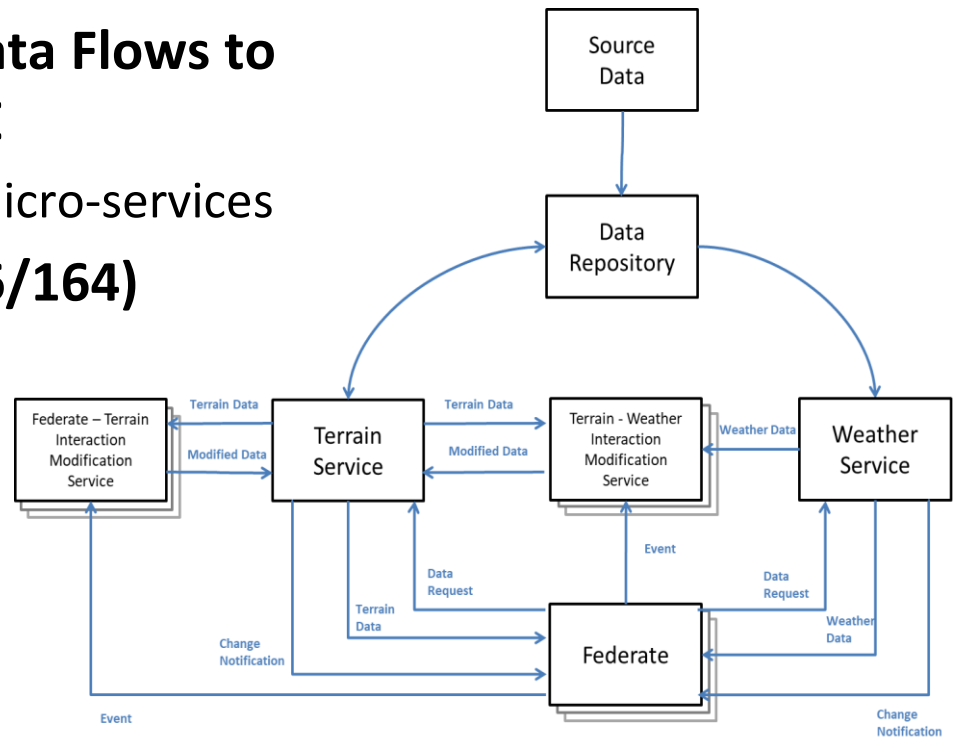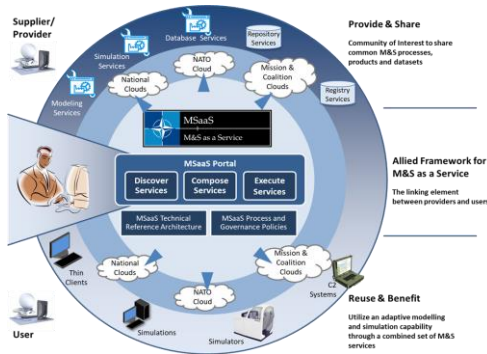
- **Architectures for Dynamic Synthetic Environments**
  - ➢ Evaluate M&S Technologies and Services
  - ➢ Investigate Methods and Best Practices
- **Inform Requirements for Standards based Interfaces**
  - ➢ e.g. HLA FOM for METOC information

Define use cases		Create conceptual models		Concept experimentation	
	Identify dynamic SE requirements		Define initial solution concepts and architecture		Write final report

MSG-156
Dynamic SE Conceptual Architecture

- **M&S Services, Interfaces and Data Flows to achieve a correlated dynamic SE**

  ➢ Terrain and Weather services/micro-services

- **MSaaS approach (Ref: MSG-136/164)**

MSG-156 Scenario / Concept Demonstration
Trafficability influenced by Weather

- Scenario that includes:
  - Trafficability affects by weather
  - Craters by mortar fire
  - Weather influences sensors
  - Destruction of a bridge