

Random Thoughts on Starting a GBiOS

Think big but start small, and grow

Vision => design concept (iterative) => implementation plan => core system => growth



Vision

- Broad enough that nobody can disagree
- Potential partners need to see a role for themselves in it

[co-] Develop a conceptual design that

- Potential partners see a role for themselves
- Includes a growth path
- Supports incremental growth (in funding, capabilities, partnerships....)
- Enables scalability
- Includes a business model

Design

- ❑ Design is a *process*
 - What does GBIOS need to do?
 - Create several options, iterate...
 - *Imagine* some implementation options
 - Outline the operational concept
- ❑ Include service-driven architecture concepts
 - Everything is a service (e.g., a piece of software)
 - Services are then just “plugins”

- ❑ Implementation
 - Implementation planning (iterative; consider who does what...)
 - Define phases for development (incremental capabilities around a core concept/system)

Other topics

- ❑ Key characteristics for growth and sustainability
 - Flexibility, adaptability, resilience
- ❑ Federated system (or hybrid) is probably appropriate
 - Partner components have a level of autonomy
- ❑ Partners: must have clearly defined roles
- ❑ Users: must be clearly identified
- ❑ Champions: needed (users, sponsors...)

- ❑ Questions to consider
 - How achieve interoperability?
 - Standards are challenging: how to address that?
 - Global vs national products—which is it?
 - What is role of national governments (and which agencies within)?