



Phase II of IGU's Sustainable Urban System Design Project

World Gas Conference

June 7th 2006



Professor Itoh Stephan Graham Garry Neale



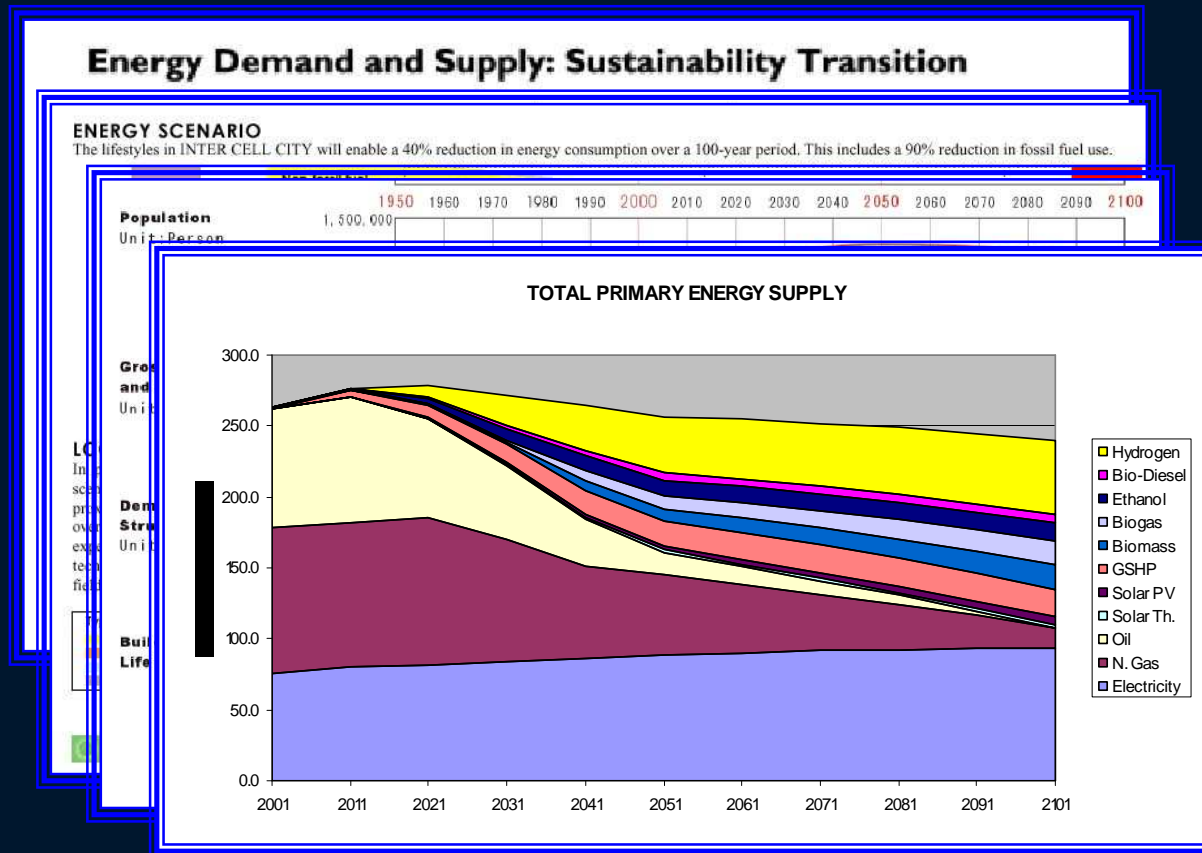
Haikyung Shin Cassio Taniguichi Ernst Von Weiszacher

“Energy is inseparably linked with cities and their people.”

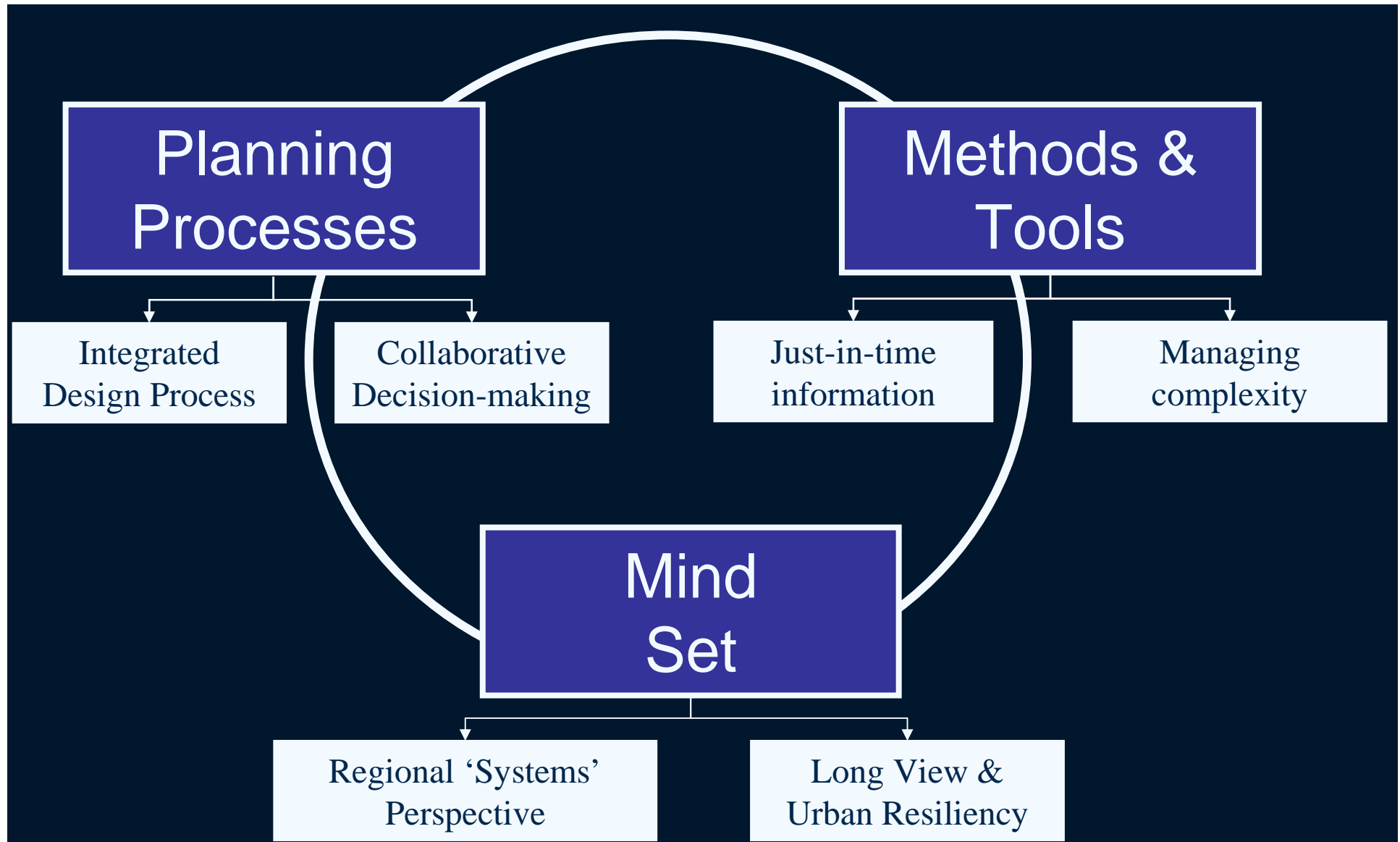
Energy use, based on future energy scenarios, deeply affects the cities of the future, particularly in terms of addressing global environmental issues. Without addressing these connections, efforts at urban management and planning are destined to end up in failures. Conversely, the structure of future cities, and the dynamics of people’s lifestyles, have serious implications on the energy systems.

The Phase I Surprises

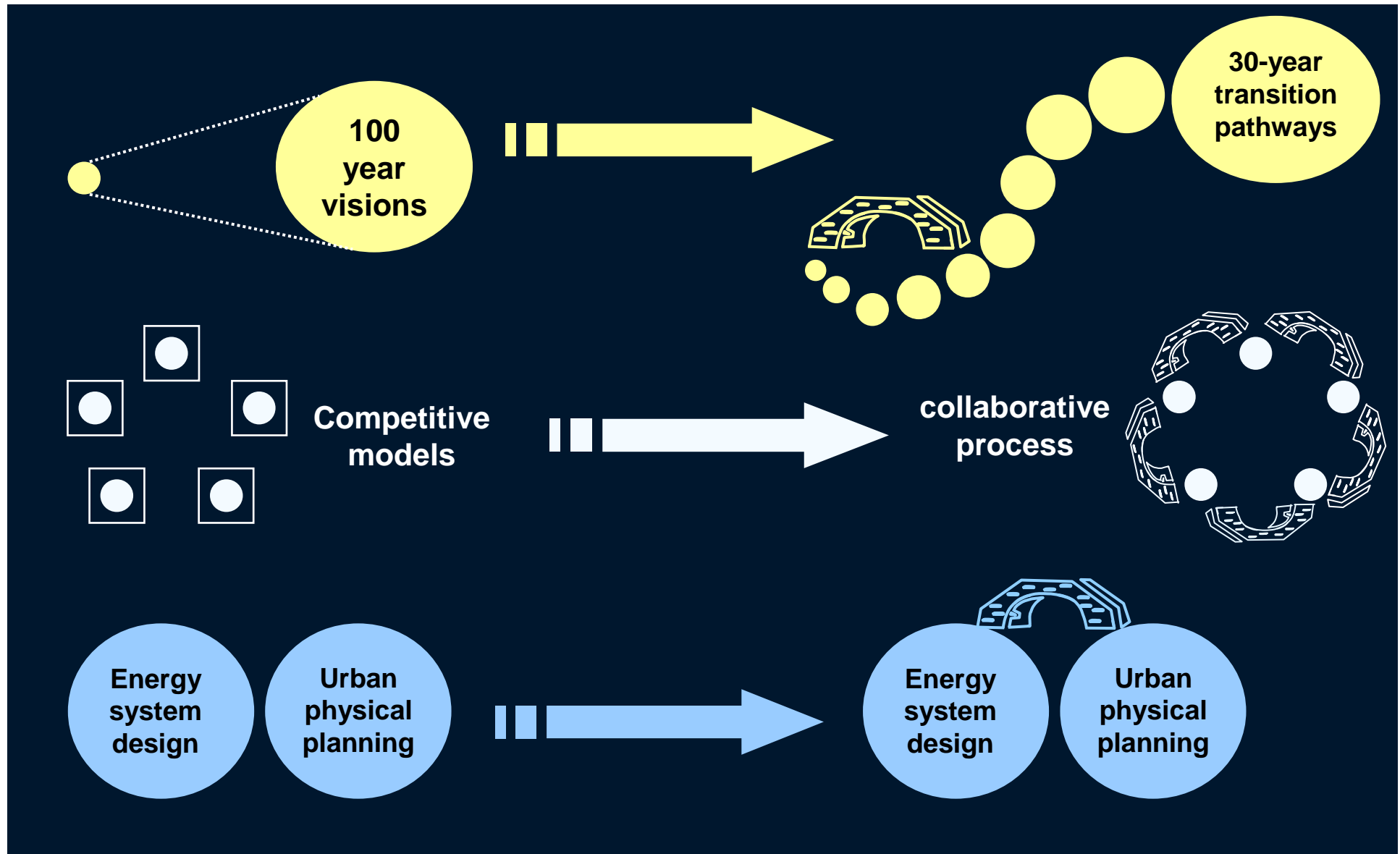
India
Japan
China
Canada



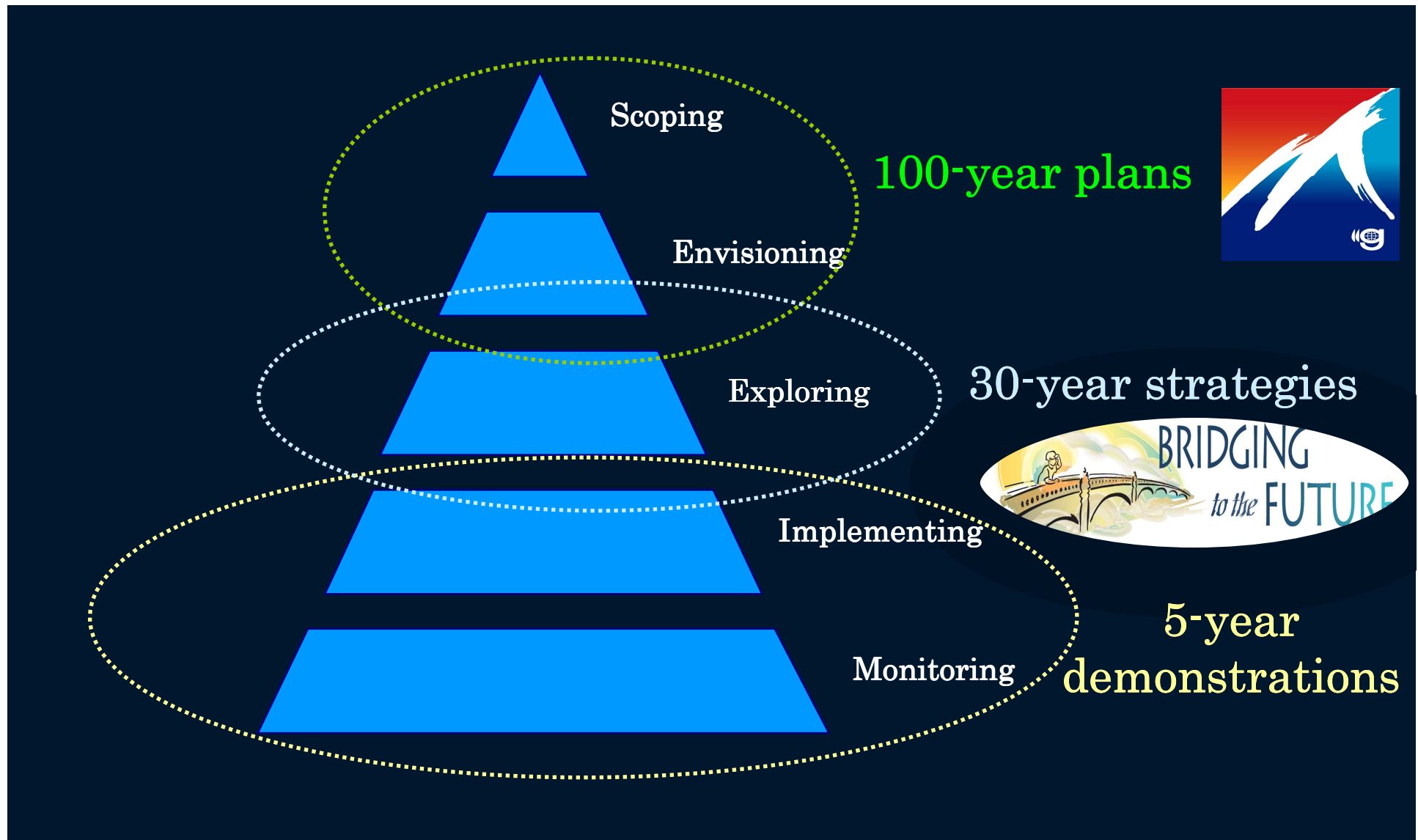
A New Approach

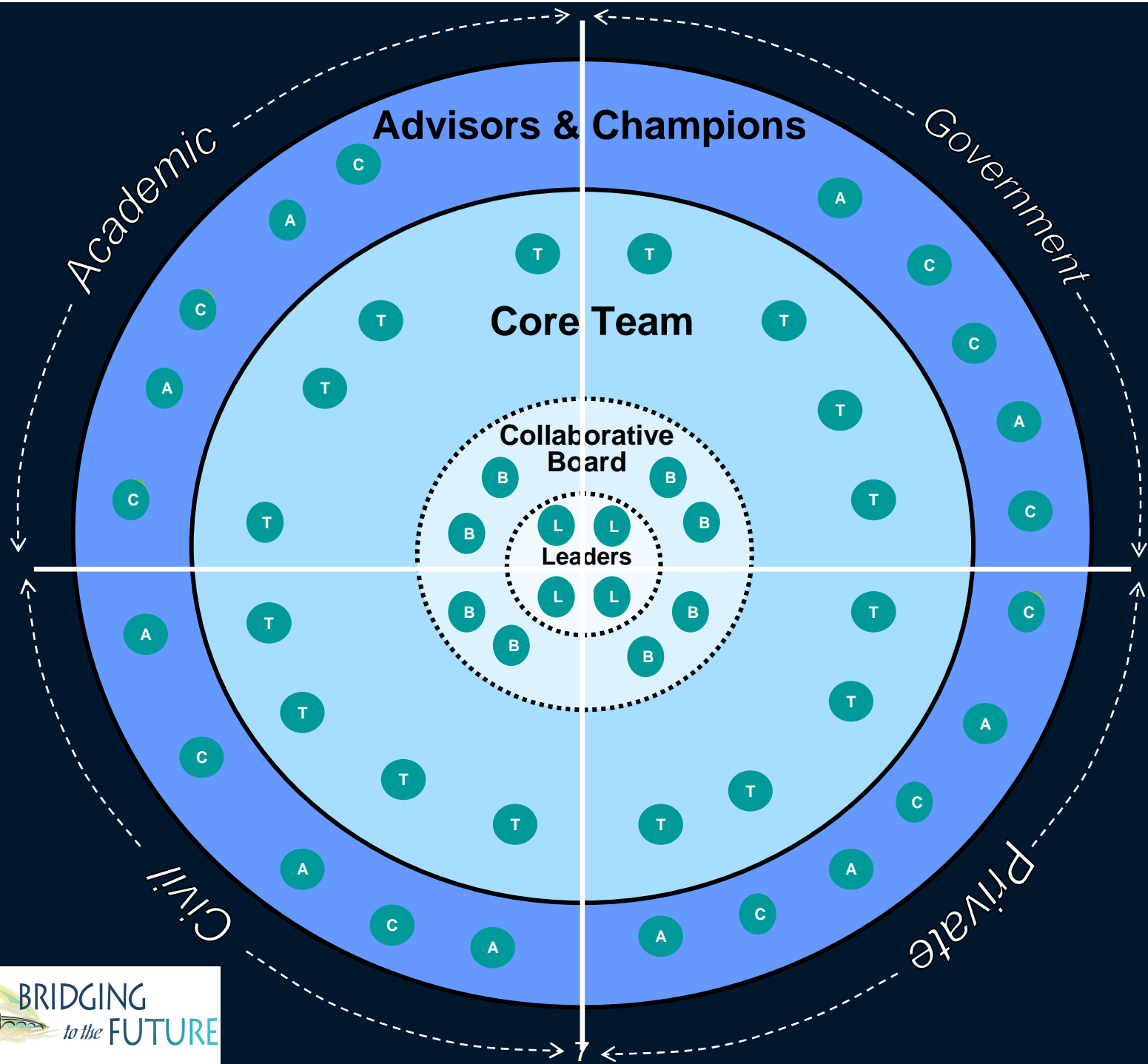


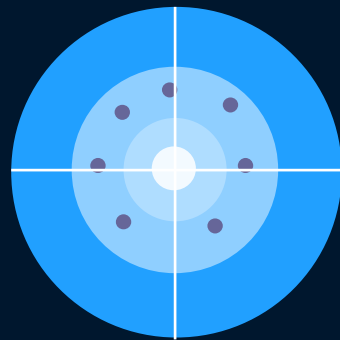
Three Remaining Challenges



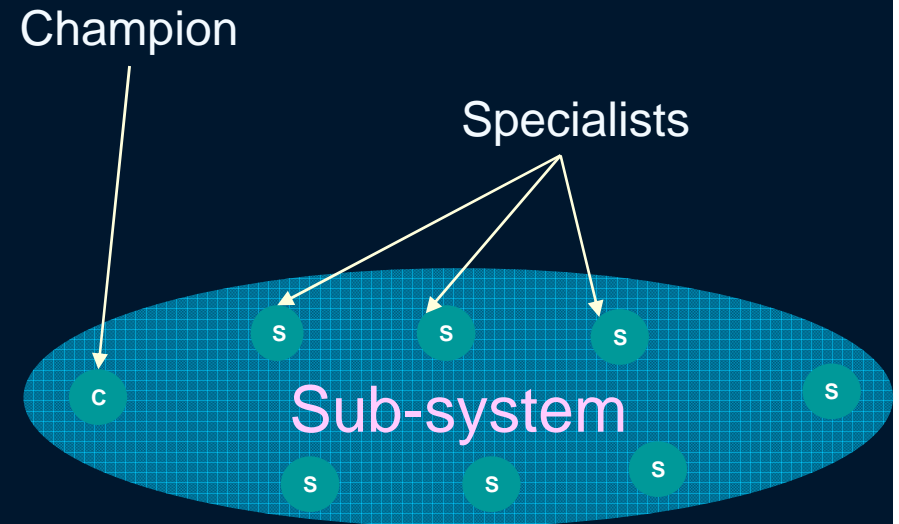
The IGU Solution:

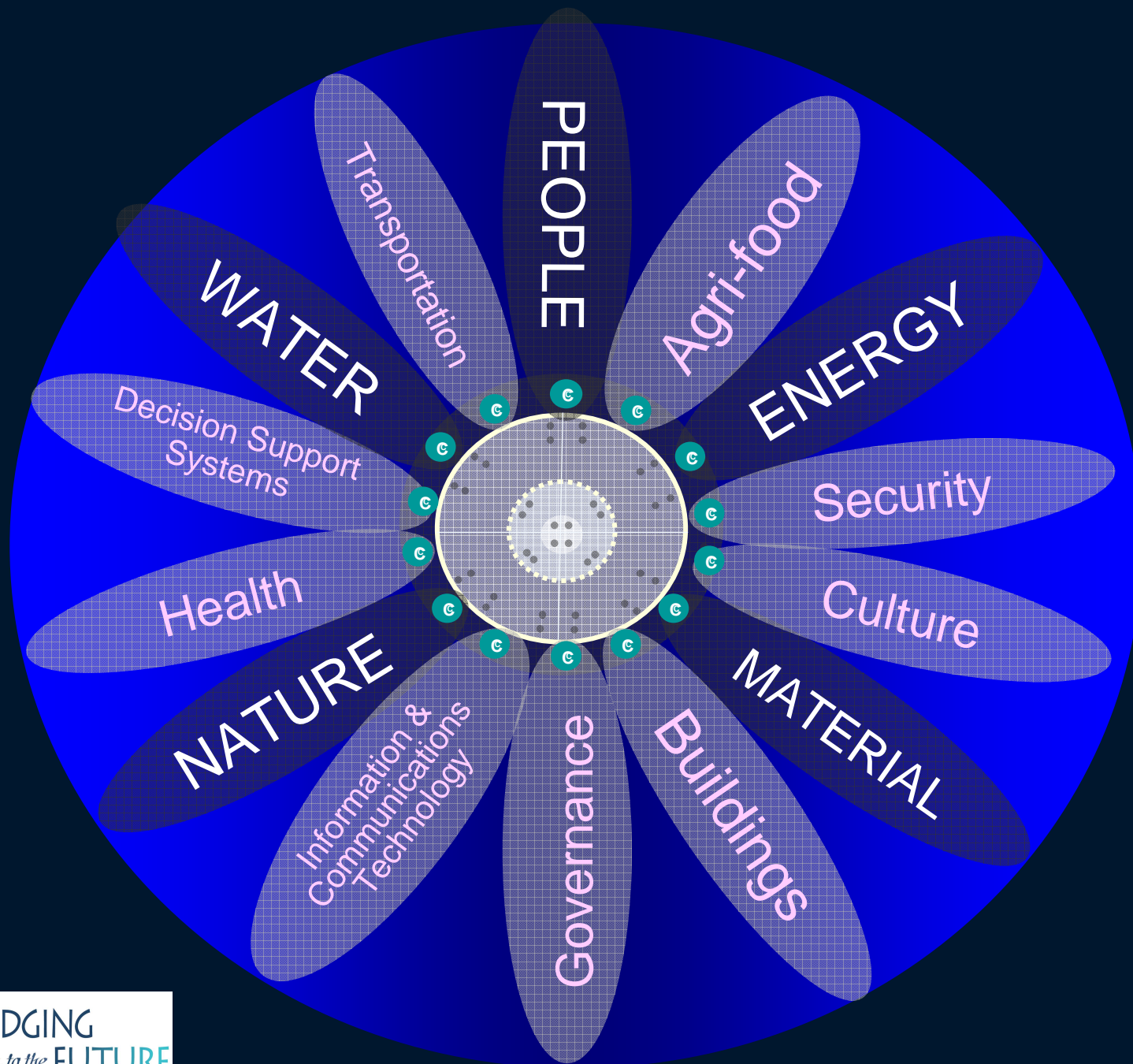


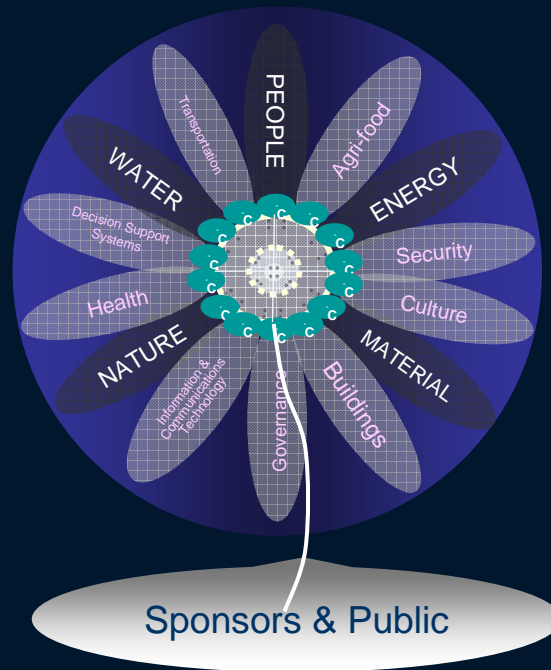




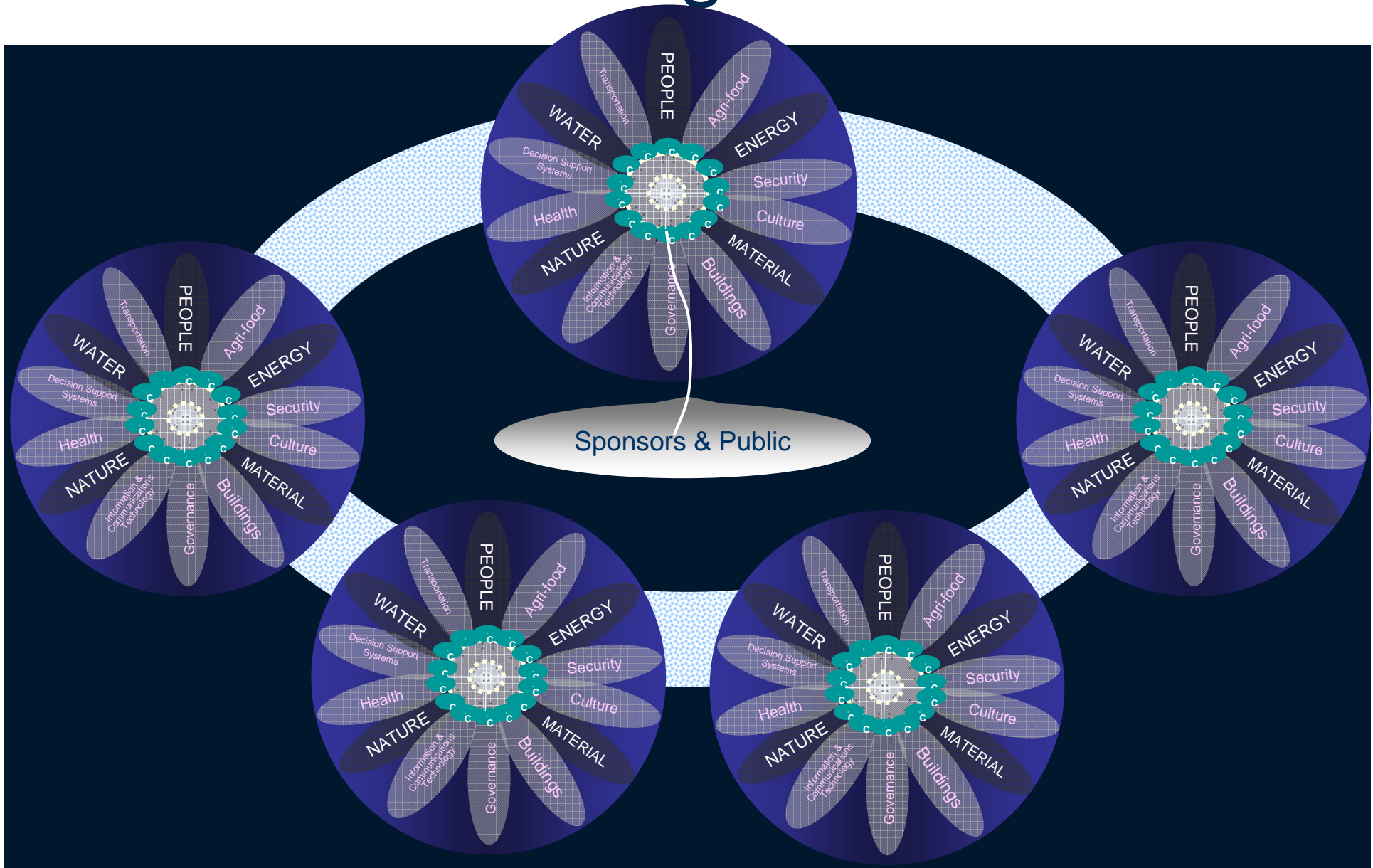
Collaborative
Team





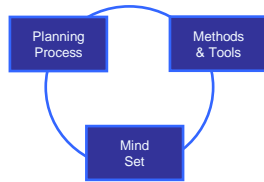


A Learning Network



A Learning Network





A New Mindset

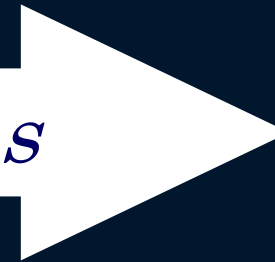
Ecological Impacts

Pace of Change

Global scale



Impacts of Decisions



short



long



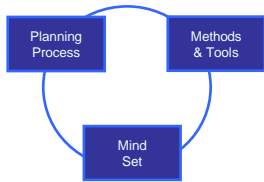
Planning Horizons



Demand-side Economics

Promissory Politics

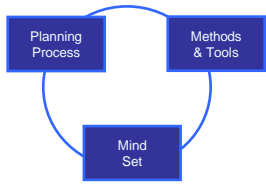
Deregulation



New Planning Process



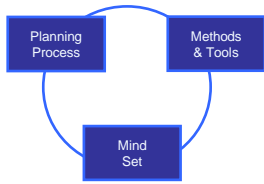
Goa Charette October 2004



New Planning Process



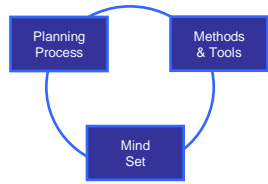
Groningen Charette May 2005



New Planning Process



Shanghai Charette April 2006



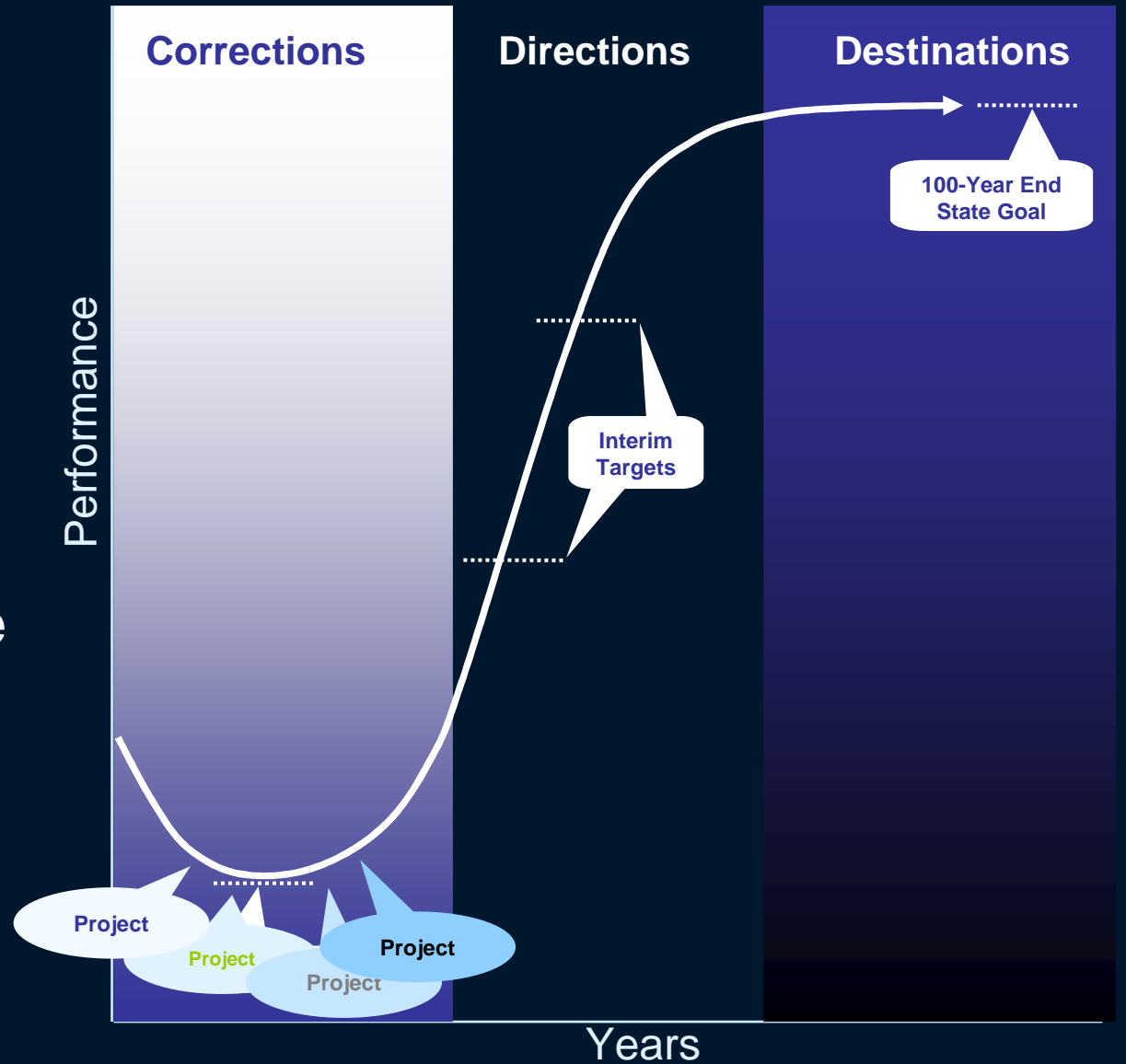
New Methods and Tools

1. Models that are

- Shared
- Scalable
- Comparable

2. Catalyst Projects that are

- Educational
- Inspirational
- Influential

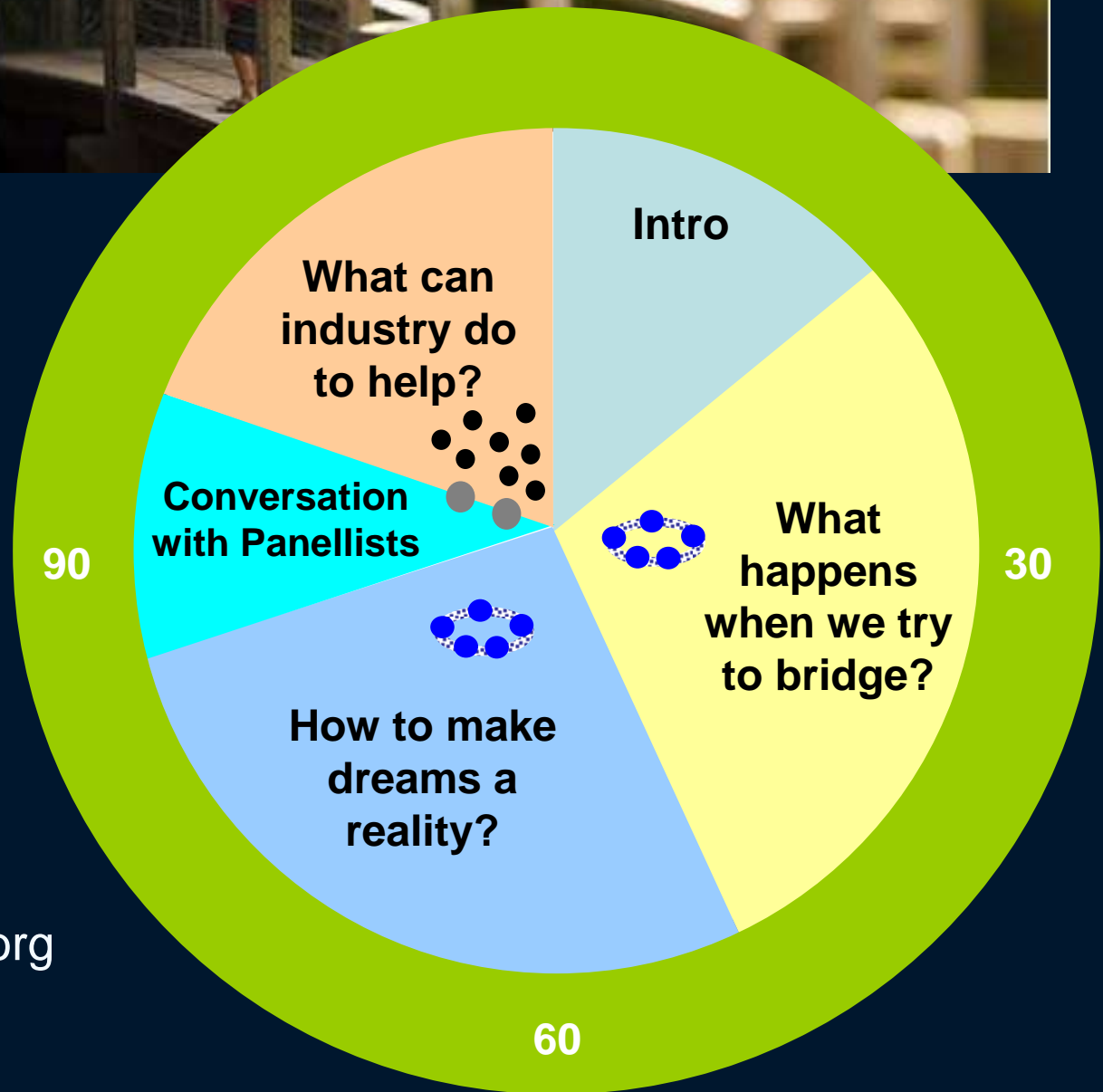


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