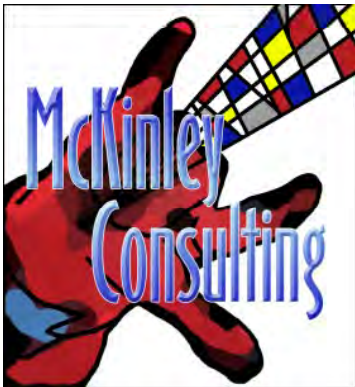


Host rock suitability WS

Yokohama: 7-8 Oct 2010

# Day #1 summary & synthesis

**Ian G. M<sup>c</sup>Kinley & Hiroyasu Takase**



Quintessa

# Clarification of workshop aims

- Help to support JAEA develop a programme to support implementer & regulator for **geological disposal in Japan**:
  - Volunteering approach
  - Potentially huge variation in site setting & geology
  - Concept catalogues rather than reference designs
  - Most regulations not yet defined
- Completely different boundary conditions to **all** established national programmes, but may be found more in the future - UK, Canada (US?)
- Very tight deadlines & very sensitive decisions to be made (by NUMO) and assessed (by regulator), so as much advance preparation as possible should be made
  - Take advantage, in particular of the JAEA URL programmes



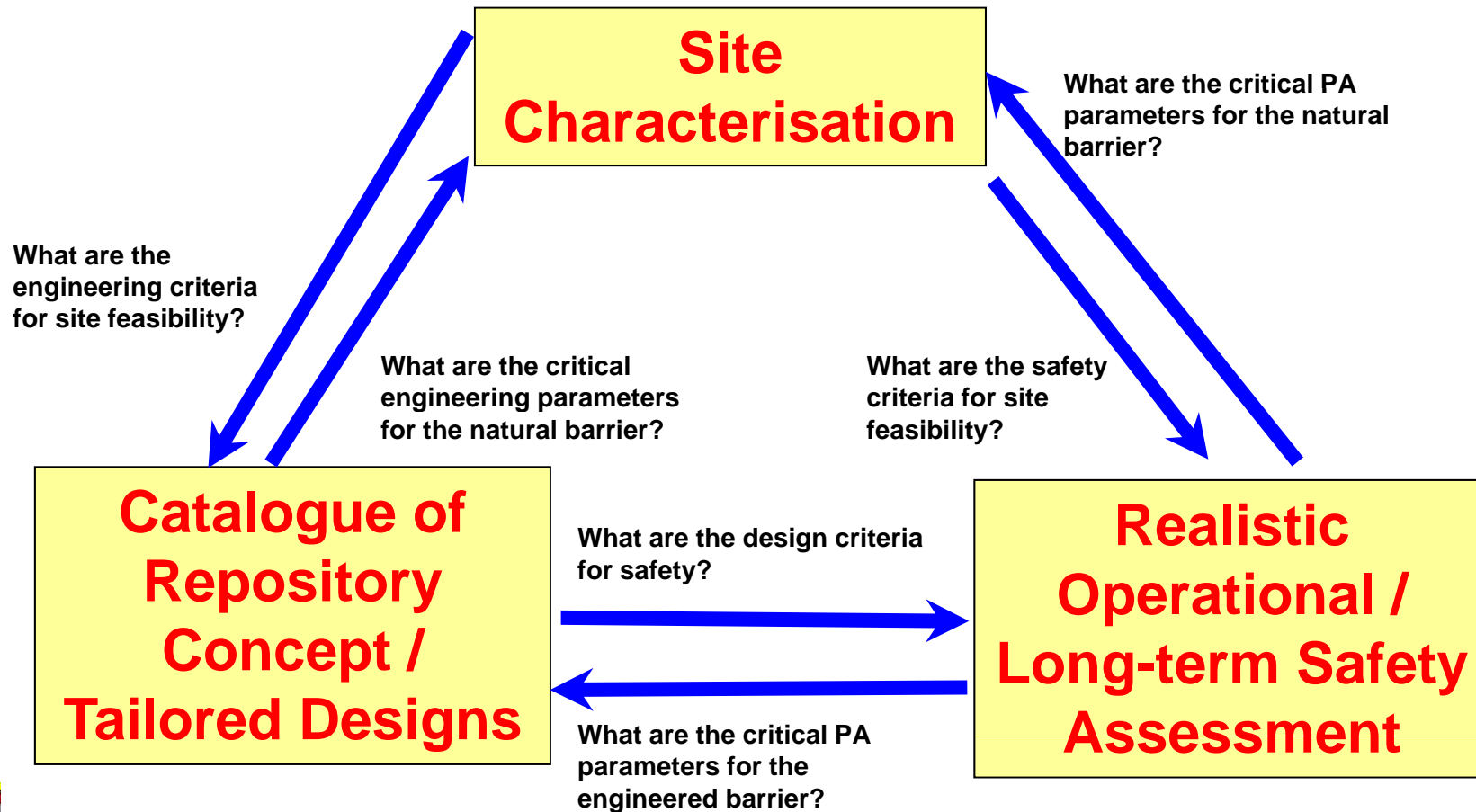
## Synthesis of Day #1 input to meet aims

- **Extremely difficult due to extremely poorly defined boundary conditions for the Japanese project (unique to date)**



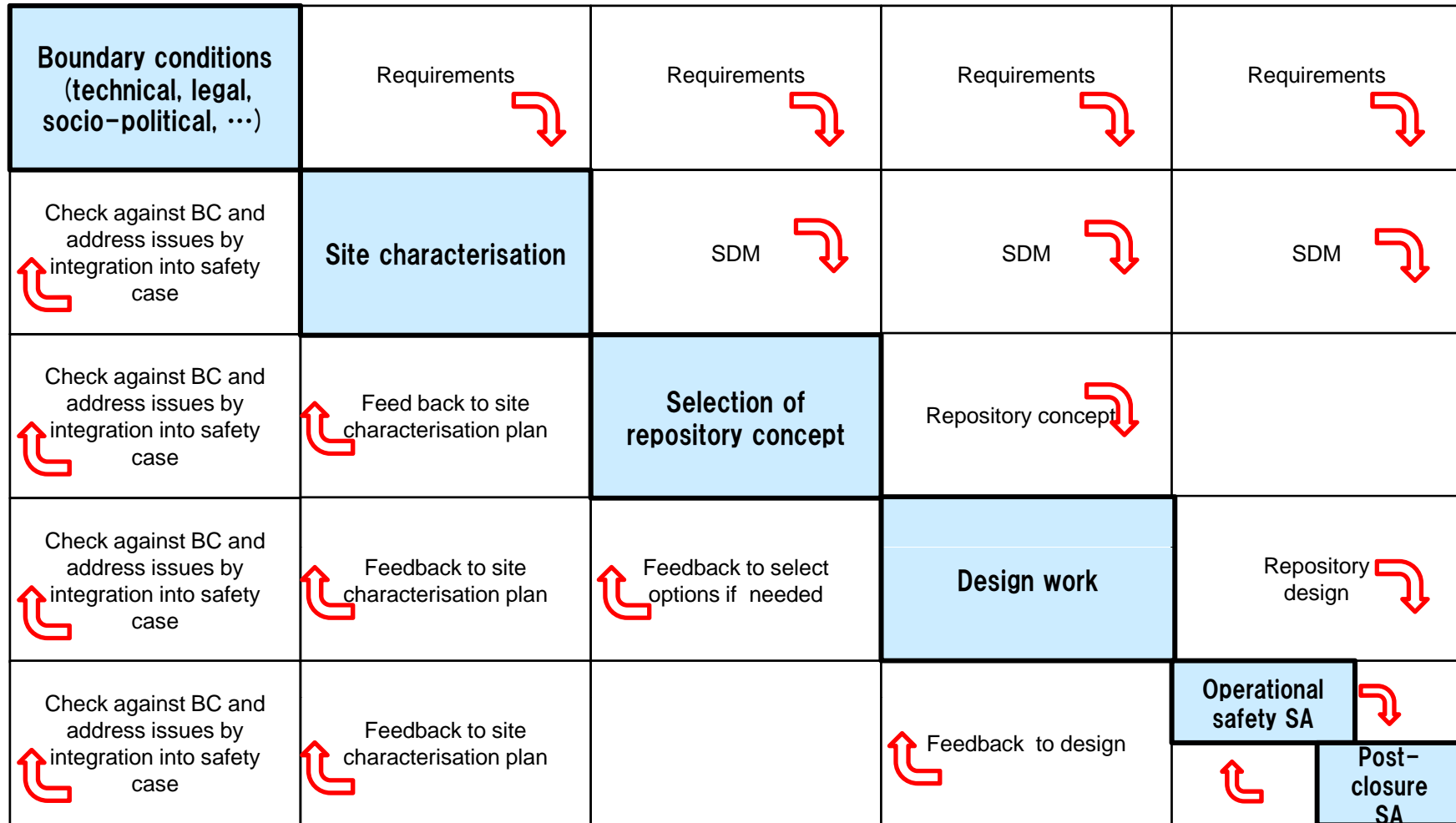
# Coupling site characterisation / repository design / safety assessment:

Easy to say in principle, extremely difficult to implement in practice



# General framework for linkage of SC/RD/SA

## ...how are these curly arrows implemented



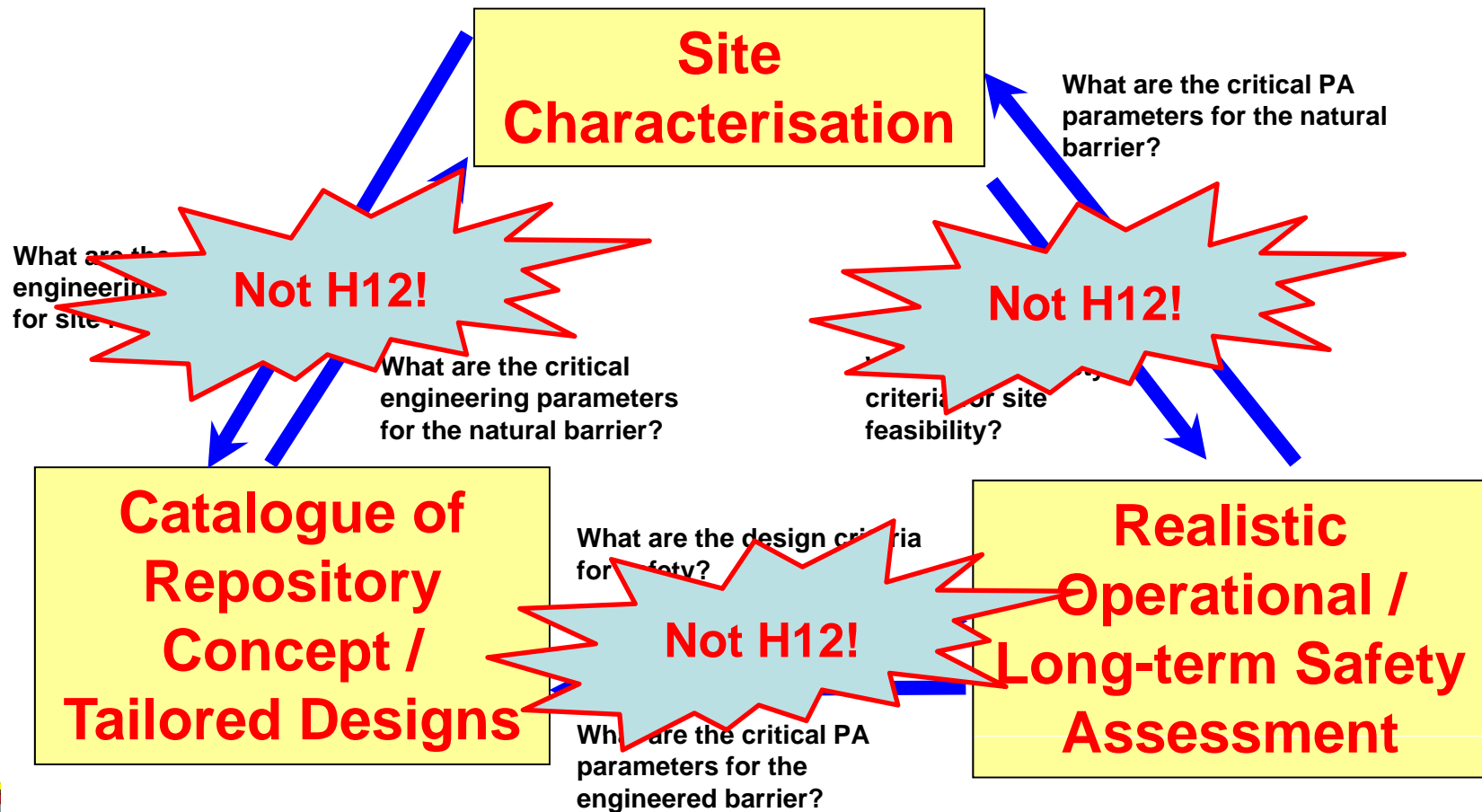
## Synthesis of Day #1 input to meet aims

- **Extremely difficult due to extremely poorly defined boundary conditions for the Japanese project (unique to date)**
  - **...hence I was very quiet yesterday (as many people pointed out!)**
- **Attempt to take over principles rather than direct examples**
  - **Try to note how fundamental ideas behind Swiss & Swedish (/Finnish) suitability assessment plans would be applied to Japanese volunteers, with consideration of MIU/HOR experience to date**



# Coupling site characterisation / repository design / safety assessment:

Easy to say in principle, extremely difficult to implement in practice



## Synthesis of Day #1 input to meet aims

- **Extremely difficult due to extremely poorly defined boundary conditions for the Japanese project (unique to date)**
  - **...hence I was very quiet yesterday (as many people pointed out!)**
- **Attempt to take over principles rather than direct examples**
  - **Try to note how fundamental ideas behind Swiss & Swedish (/Finnish) suitability assessment plans would be applied to Japanese volunteers, with consideration of MIU/HOR experience to date**
- **Resulted in extensively revised version of the Argumentation Model shown by Miyahara-san yesterday**

