



NITEC:∞

NCI Agency Industry Conference and AFCEA TechNet International

Being Smarter about Disruptive Innovation

Institutionalising the Approach

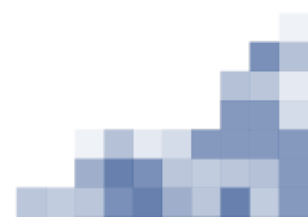




Ingredients for success

- The DCIS Cube experience:
 - Shows that the **coalition use case** allowed a clear formulation of a compact problem* and solution direction at architecture level;
 - Coalition knowledge helped frame the problem better (but the application field is much broader);
 - Solving this together would also generate benefits for the Nations through their industries;
 - There is an element of “self-propelling” business case;
 - It could be done quite quickly;
 - It was challenging, collaborative and fun!

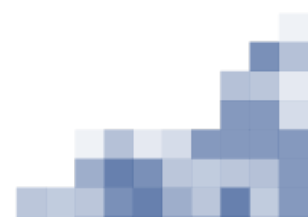
**“A well-posed problem is 80% of the solution”*





What we are looking for...

1. To identify candidate problems and opportunities that are amenable to a rapid, collaborative treatment – and which have mutual benefits;
2. To form ad hoc coalitions of interested parties from industry and government to analyse and develop solutions and approaches;
3. To give these coalitions form as temporary, short duration Working Groups;
4. To seek sponsors (nations and / or industrial parties) for early adoption and experimentation (where appropriate);
5. To facilitate collaborative development of standards, building blocks and patterns;
6. To publish, publicise and disseminate the work, progress and deliverables.

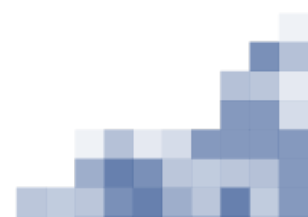




Never waste a good idea...

“The smart engineer is a lazy engineer...”

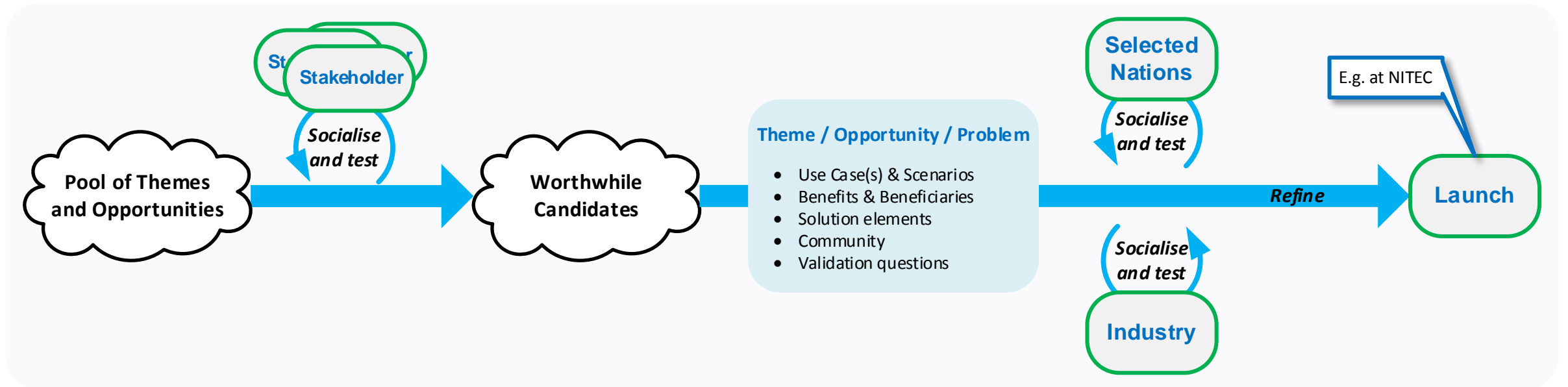
- *The idea of volunteer groups getting together to crack problems to improve something they are all interested in is not new.*
- *The Internet Engineering Task Force (IETF) offers us a nice and successful pattern for how coalitions of the willing organise to solve problems.*
- *So we are imagining a Coalition Engineering Task Force (CETF).*



Candidate CETF Goal and Mission

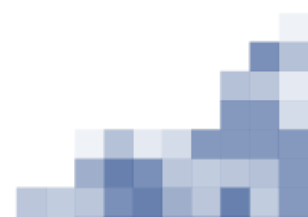
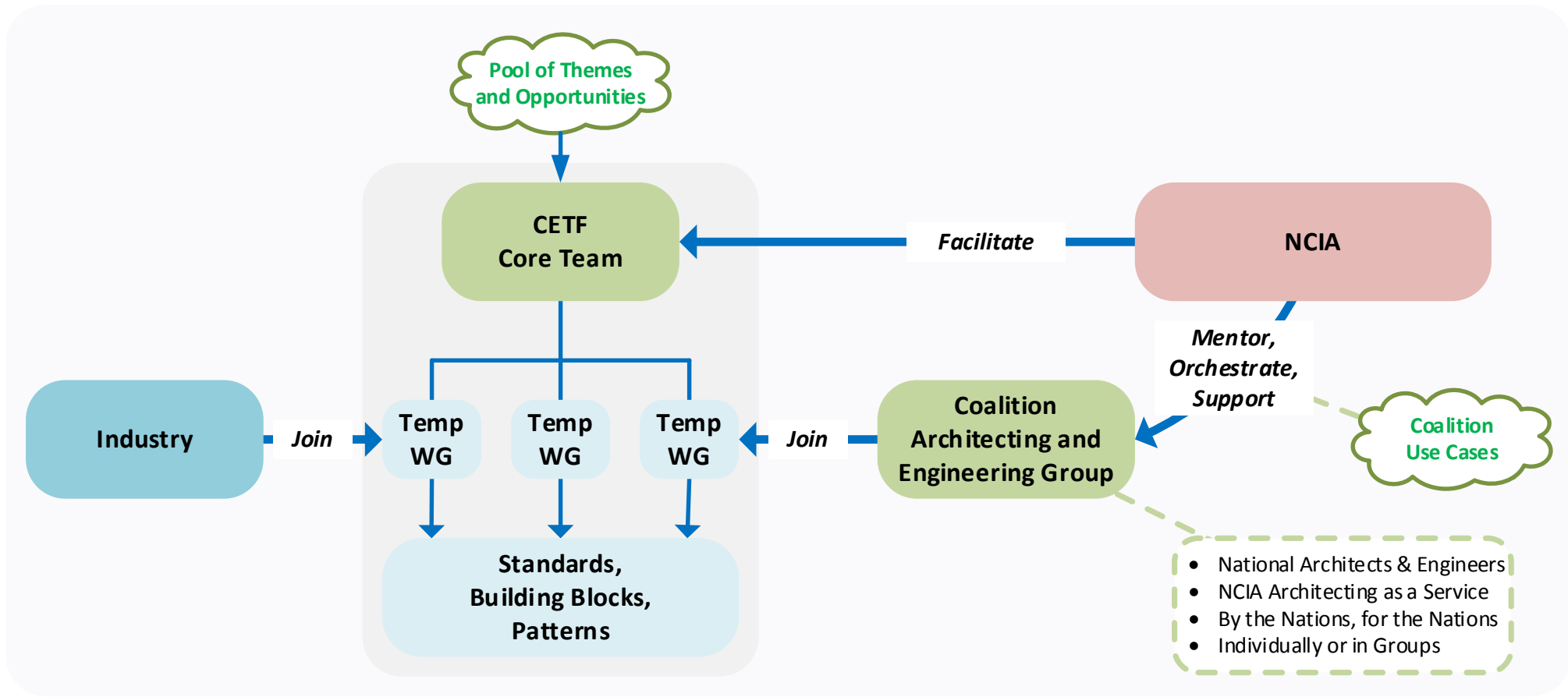
- **Goal:** make the Coalition work ever better in the areas of accessibility, availability, interoperability and coalition readiness of its C4ISR capability.
- **Mission:** make the Coalition work better together by producing high quality, relevant open standards, architectures and patterns:
 - That influence and shape the way NATO, Industry and Nations design, use, acquire, consume and manage connected capabilities;
 - That facilitate modern, affordable, effective, rapidly adoptable and scalable interoperability solutions and improvements within the Coalition;
 - With a focus on easing adoption of high technology readiness solutions rather than on development.
- **Caveats:**
 - There are plenty of existing research forums... We are interested in solving the problems that stop our community from adopting what's out there and ready.

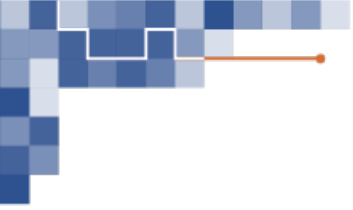
Selecting problems





The possible bigger picture





Discussion!

