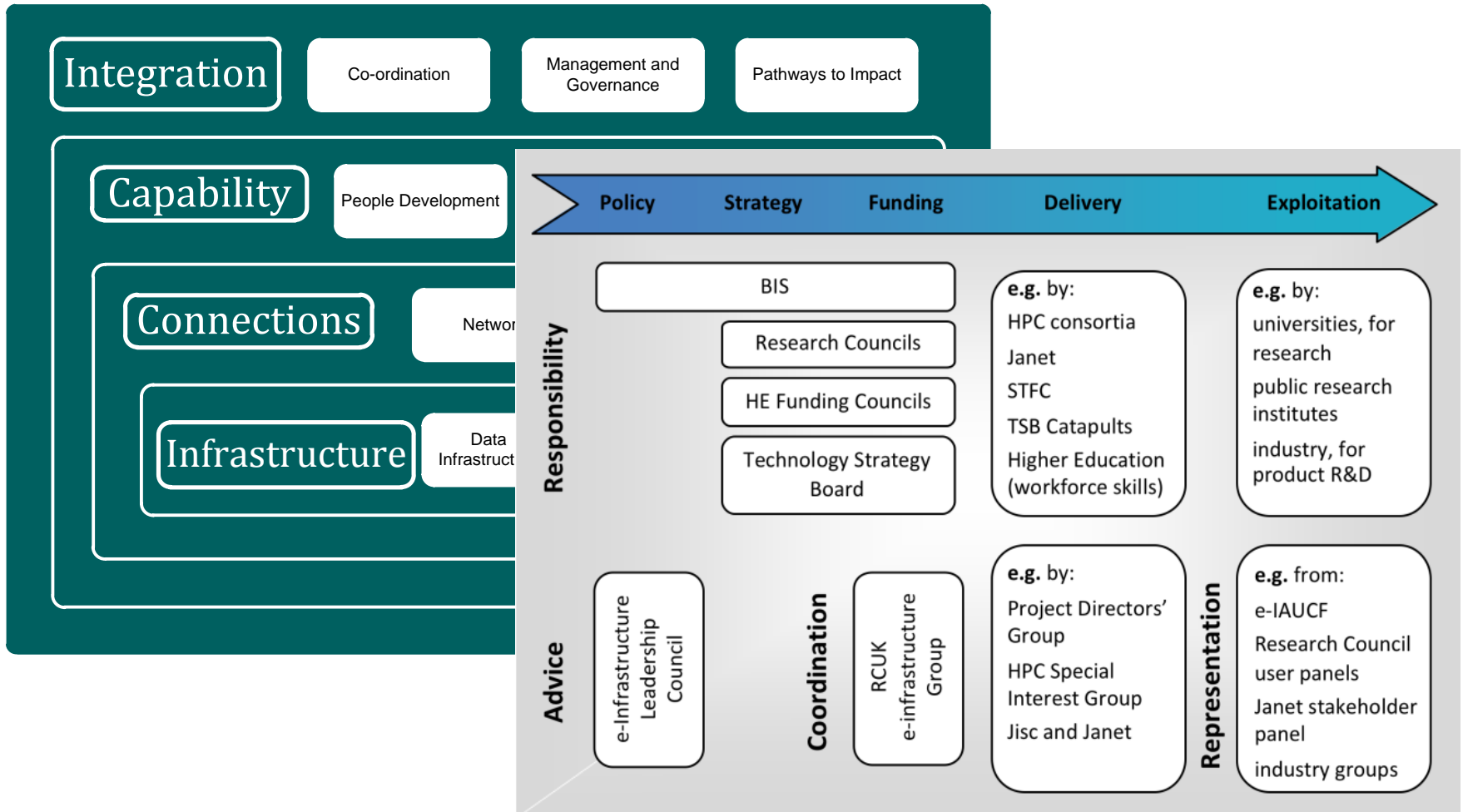


e-Infrastructure Commons

Bob Day
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What is e-infrastructure? UK examples ...



Do we know how to join up the components?

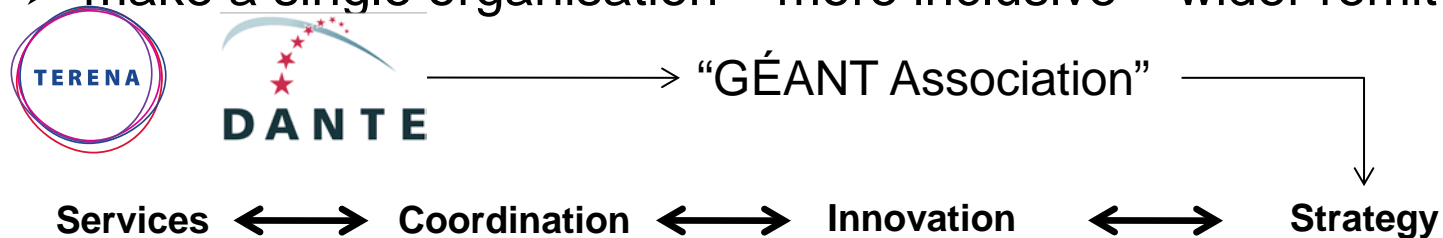


Restructuring European R&E network collaboration

- GÉANT Expert Group, ASPIRE study, e-IRG White Papers ...
 - need to integrate European-level e-infrastructure services
 - need to develop existing governance to enable this

- NRENs' collective response

- make a single organisation – more inclusive – wider remit



... for & by members
(GÉANT etc ...)

... of major projects
(Horizon 2020 ...)

... amongst members
(building European skills)

... consensus building
(responsive to policy)

- It's a lot of hard and costly work ...
- Benefits have to be worth the investment ...
 - bringing services and collaborative innovation together
 - greater strategic capability
 - better governance of GÉANT
 - inclusive of other e-infrastructure providers
- Opportunity to realise an e-infrastructure commons vision
 - ... but how should we govern this?
 - ... what do we need to govern?



Some governance challenges ... the roles of ...

janet

- users in e-infrastructure governance
- private providers in delivery of services
- governments in ensuring persistent
services
- us all in governing data and information



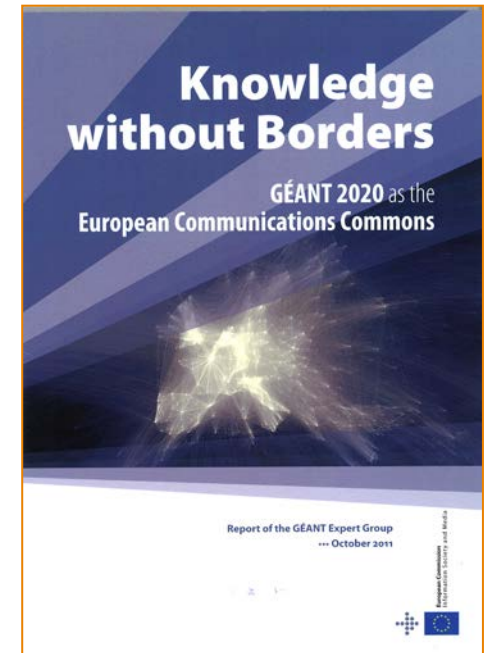
- Everyone can agree on “consultation”
- Most people can agree on “a seat at the table”
- Caveats
 - national subsidiarity
 - range of purpose and use of e-infrastructure components



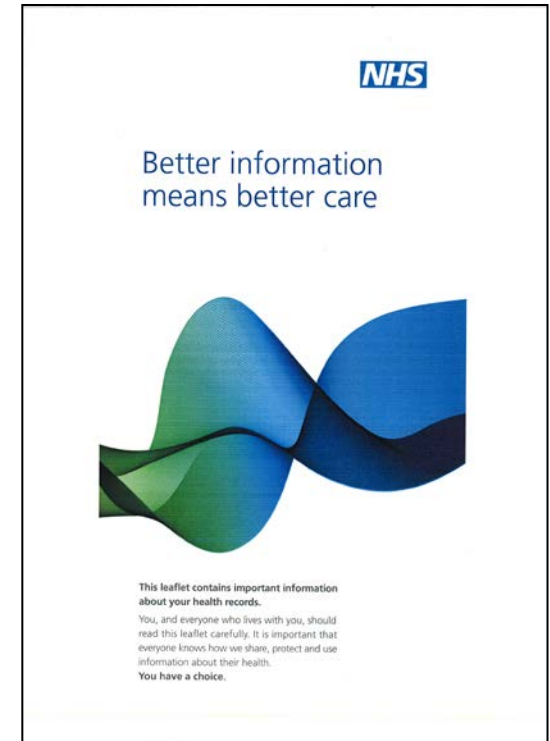
- An essential part of the e-infrastructure ecosystem
 - shift from system integration to brokerage
- Clarity essential on the role of publicly funded players
 - market manager rather than provider in a commercial market
 - correct implementation within regulatory frameworks



- e-Infrastructure needs 10-year planning
 - responsibility on us to persuade national governments and the European Commission
 - it's infrastructure, not a project!
- Downside risks?
 - reduced ability to drive down costs
 - fragmentation across Europe
 - inability to deliver global reach



- An object lesson ...
- Two principles:
 - data will be managed securely
 - information will be used to benefit society
- Implementation
 - e-infrastructure providers
 - higher formal assurance regimes
 - development of existing federated “cyber” security and AAI
 - Governments
 - regulatory frameworks and their implementation to increase public trust



Thank you – Questions?