

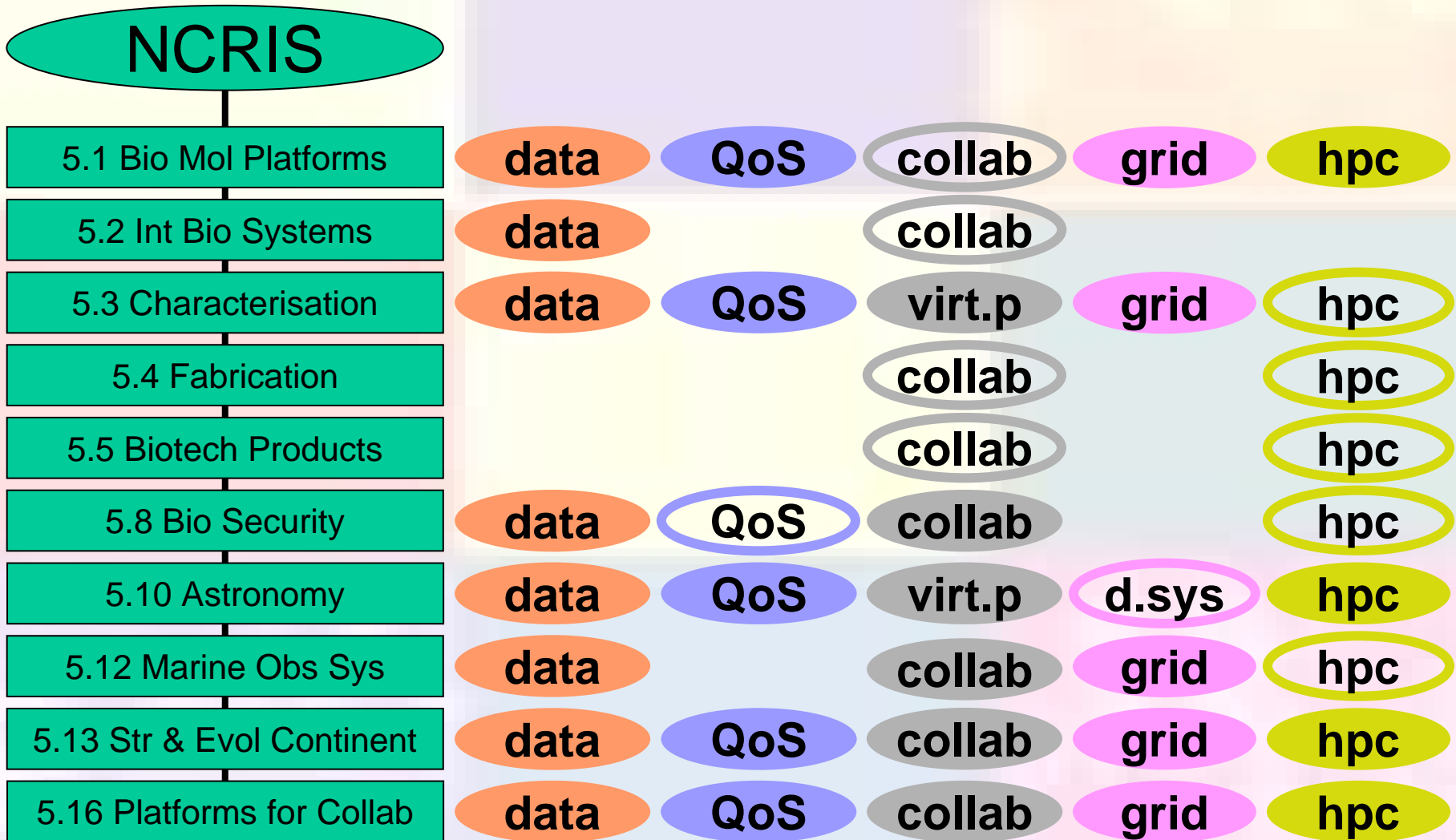
NCRIS
Platforms for Collaboration
Data workshop #2

Facilitator
Rhys Francis

Platforms for Collaboration

- Data access and discovery, storage and management
- Grid enabled technologies and infrastructures
- Technical expertise
- High performance computing
- High capacity communication networks

Lots of demand...



5.16 initial thoughts

eResearch Infrastructure

- eResearch Consulting
- The eResearch Trust Federation
- The National Data Collections Service
- The National Grid
- The National (Computing) Facility
- The Australian Earth Systems Science Facility
- Australian R&E Network

Policy and reporting ↑

Funding and management

Funding and policies

eRI (7-10 staff)

Engineering Forum

Grid

ANDS

eRC

e-Research Support Centres

ANF

AESSF

AREN

eRTF



Service providers



Co-operative functions

Strawman Model

- eRI staff will provide leadership and manage functions
- The e-Research support centres most likely include the xPACs and may include others
- eRI is not funding the existence of these Centres, but is funding their participation in nationally co-ordinated functions: for compute access (grid) data access (ANDS) and national expertise building and user support (eRC)
- The functions will be jointly funded by eRI and participants and composed of projects and teams co-ordinated by eRI
- xPACs, ANF, AESSF and AREN may be involved in all three functions

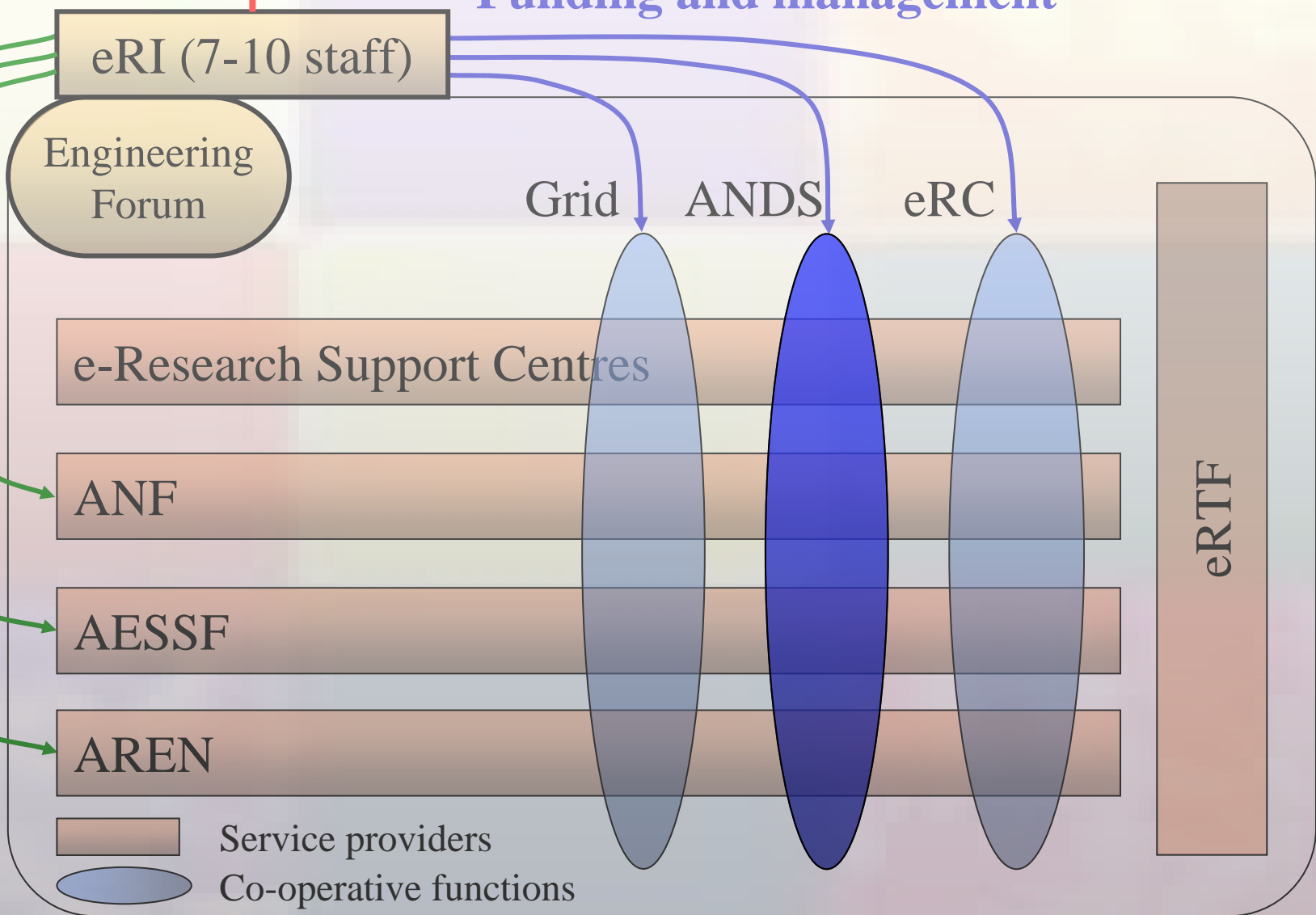
Strawman Model

- Specialist centres may be involved in only some functions (eg. repositories in research institutions in ANDS, Centres with key expertise in eRC)
- The engineering forum will include representatives of eRI and all the service providers, in minority, with a majority membership from user groups
- eRI will contract with service providers and, while being sensitive to the stability needs of providers, will seek to retain the ability to modify the functions, participants and funding, where required, over time

Policy and reporting ↑

Funding and management

Funding and policies



National Data Service

Considerations of PMSEIC

- A national strategic approach is needed with some level of formality
- The solution will be a federated network of digital repositories
- Open access is desirable
- Issues such as: incentives, cultural issues, privacy, skill development need work

NH&MRC/AVCC: Australian code for the responsible conduct of research

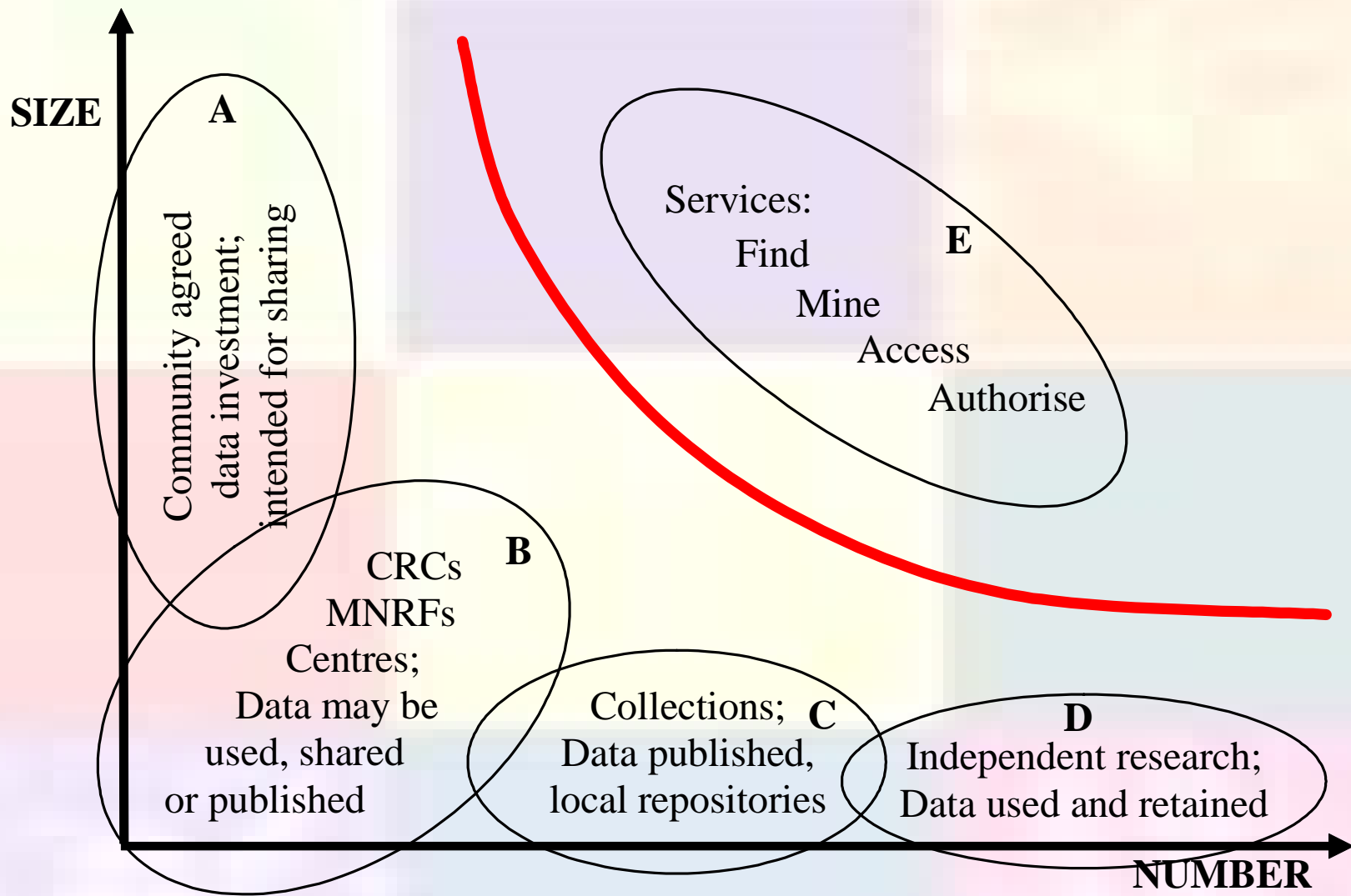
Researchers should:

- Determine what data to keep, considering research community practice and any project or legal requirements
- Ensure research data is retained (for at least 5 years from publication of results) using institutionally provided mechanisms
- Ensure at the end of employment (for whatever reason) data retention passes to the institution
- Maintain confidentiality where it exists

NH&MRC/AVCC: Australian code for the responsible conduct of research

Institutions should:

- Develop and implement a policy on data ownership
- Provide guidelines to researchers on ownership, what to keep and researcher responsibilities
- Maintain durable records on what research data has been held and ensure that research data is under the control of the institution where the work was performed
- Provide secure systems for holding data and for granting access to that data



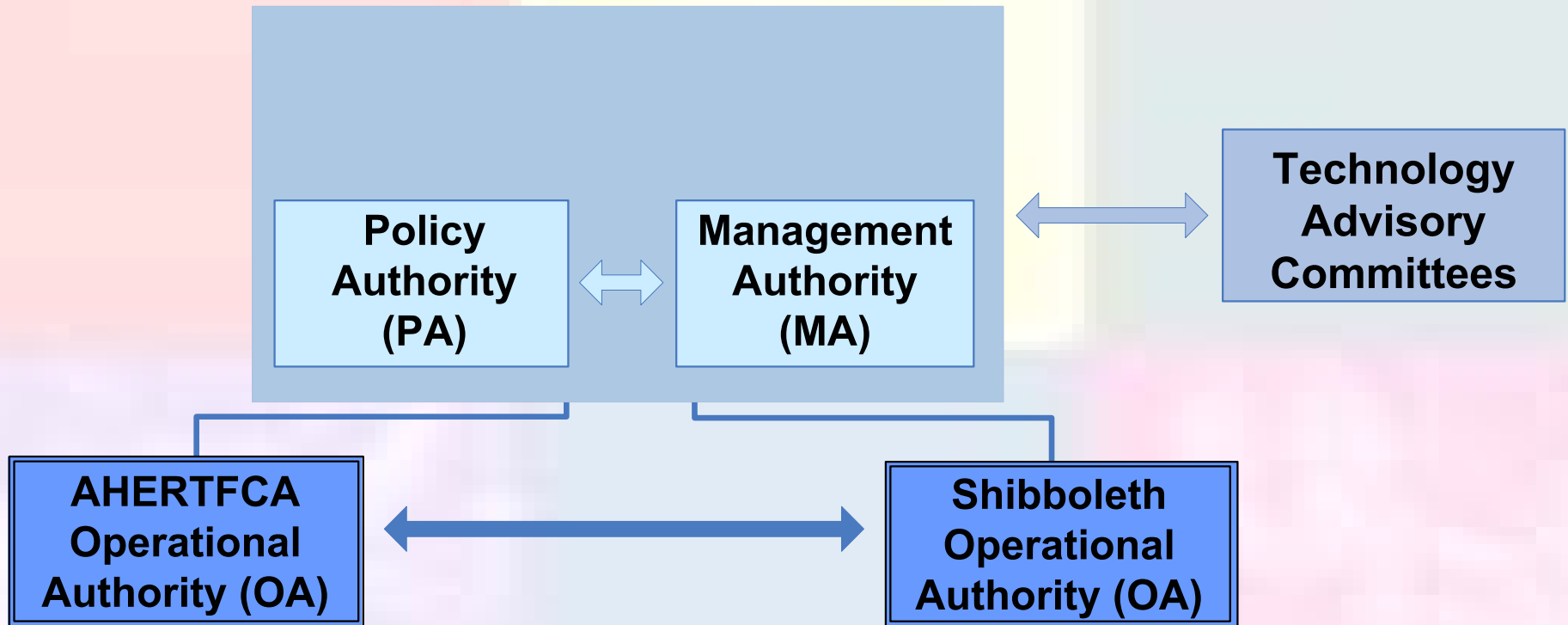
F Services: stores, repositories, tools, expertise

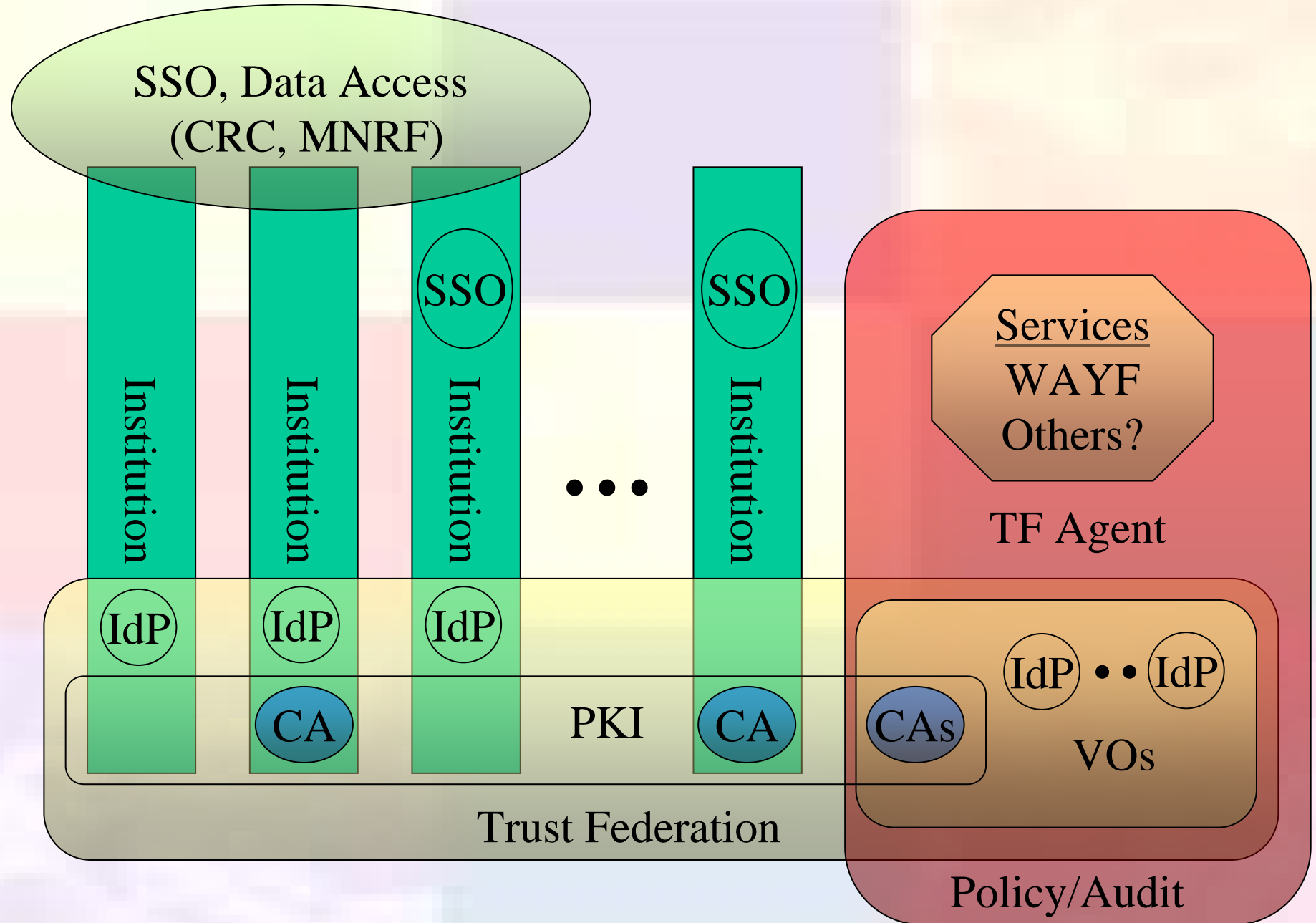
Possible data investments

- Support for the on-going retention of important data sets (A,B)
- Support for collections by providing an enduring retention and access service (C,D)
- Services that assist (all)
 - locating and linking data
 - moving and replicating data
 - data mining

Current planning - AAA

AHERTF's Governance Structure





Information Providers:

- [ArtSTOR](#)
- [CSA](#)
- [Digitalbrain PLC](#)
- [EBSCO Publishing](#)
- [Elsevier ScienceDirect](#)
- [ExLibris - SFX](#)
- [ILIAS](#)
- [JSTOR](#)
- [NSDL](#)
- [OCLC](#)
- [Ovid Technologies Inc.](#)
- [Proquest Information and Learning](#)
- [Serials Solutions](#)
- [Thomson Gale](#)
- [Useful Utilities - EZproxy](#)

Learning Management Systems

- [Blackboard](#)
- [Moodle](#)
- [OLAT](#)
- [WebAssign](#)
- [WebCT](#)

Other Systems:

- [Bodington.org](#)
- [Condor](#)
- [Confluence Wiki](#)
- [Darwin Streaming Server](#)
- [DSpace](#)
- [eAcademy](#)
- [Fedora](#)
- [GridSphere](#)
- [GridShib](#)
- [Higher Markets](#)
- [Horde](#)
- [Hupnet](#)
- [LionShare](#)
- [Media Wiki](#)
- [MyProxy](#)
- [Napster](#)
- [PHEAA](#)
- [Sharepoint® from Microsoft](#)
- [SYMPA](#)
- [Symplicity](#)
- [TurnItIn](#)