Emerging National Services:
shared stewardship of research data

RDC-UA VPR Workshop

November 17, 2015

Chuck Humphrey, Director

Canadian Research Data Milestones

2015
2014

CARL ARC / Portage Network

2011
2010

CARL RDMI Application

Shift from a National Institution to National Infrastructure

2007
2006

Canadian Digital Information Strategy

2005
2004

National Consultation on Access to Scientific Research Data

2002
2001

National Data Archive Consultation

Digital Research Infrastructure and Research Data Management Infrastructure

2015
2014 — RDC-CARL Federated Pilots

2014 — Digital Infrastructure Summit

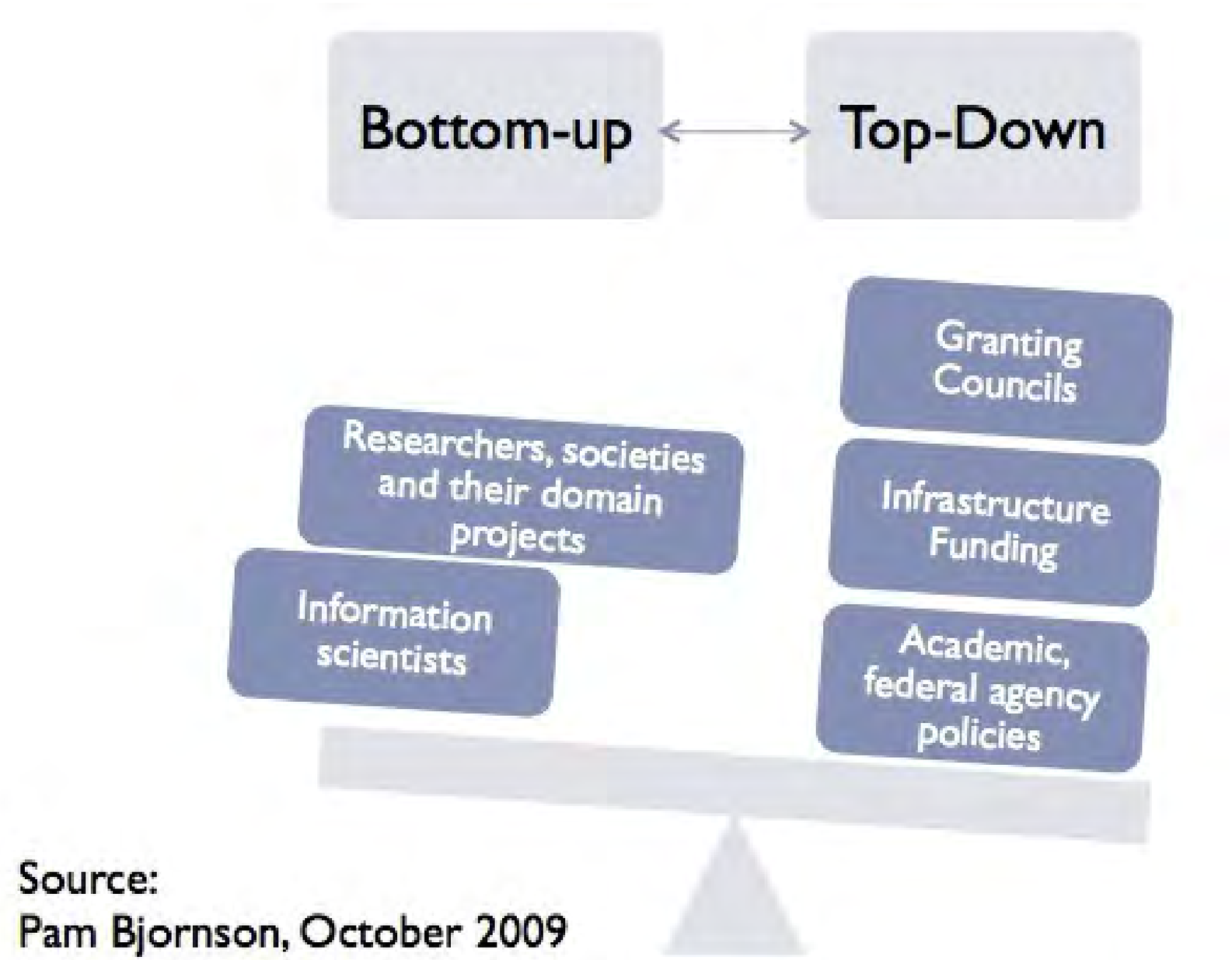
Leadership Council for DI

2012 — Digital Infrastructure Summit

Research Data Canada

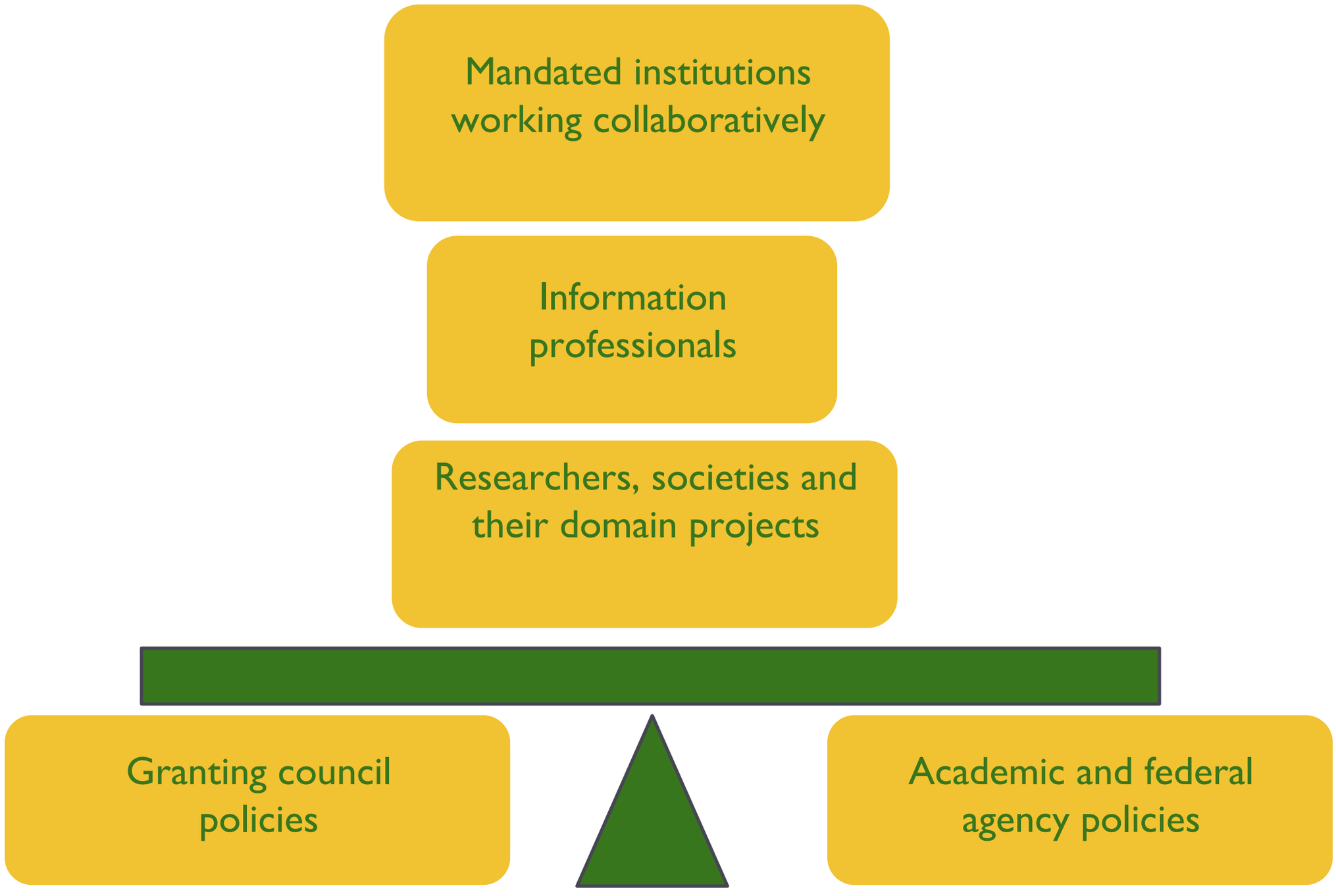
2011 — National Data Summit

Tipping the balance toward action



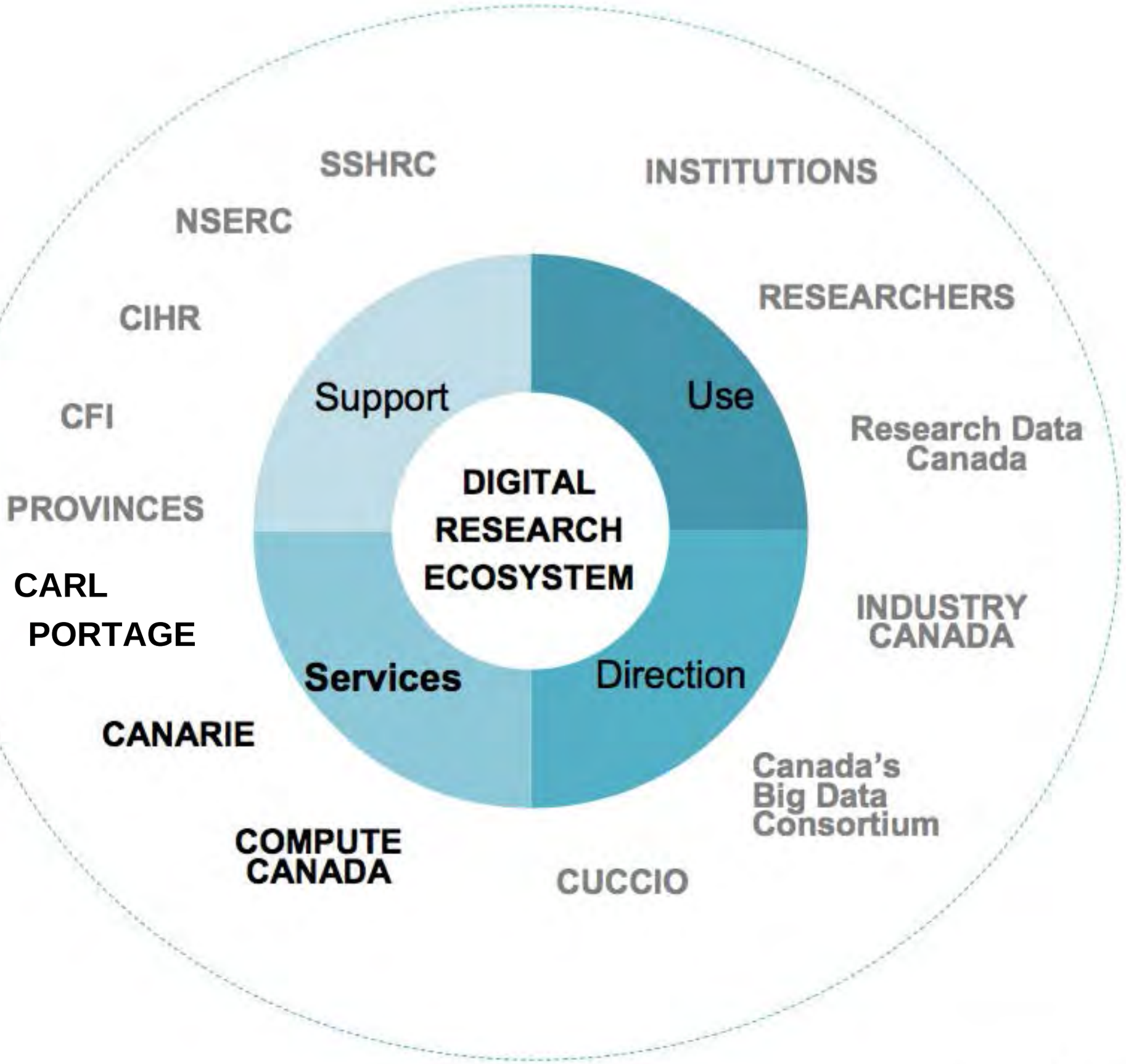
Source:
Pam Bjornson, October 2009

Bottom-up approach



“By what authority …”

- Build trust among the communities being served.
- Demonstrate competencies in delivering services.
- Develop a positive reputation around trust and competencies.
- Operate from a data culture that incorporates norms of best practice and in which rewards are only part of the reason for engaging.



Slide courtesy Dugan O'Neil, Compute Canada

portage

SHARED STEWARDSHIP OF RESEARCH DATA

SERVICES PARTAGÉS POUR LES DONNÉES DE RECHERCHE

The Portage by Winslow Homer, 1897

Two interlinked mandates:

- A library-based network of expertise on research data management, and
- National platforms for planning, preserving, and discovering research data

Building on Regional Library Strengths

OCUL Ontario Council of University Libraries

BCI
BUREAU DE COOPÉRATION INTERUNIVERSITAIRE

COPPUL | Council of Prairie and Pacific University Libraries

CAUL CBUA

Council of Atlantic University Libraries

Conseil des bibliothèques universitaires de l'Atlantique

With RDM stakeholders

CARL ABRC

THE LEADERSHIP COUNCIL
LE CONSEIL DU LEADERSHIP

compute canada | calcul canada

CAREB ACCER

Canada

DCC

canarie

portage

RDC DRC
Research Data Canada – Données de Recherche Canada

casrai

Network of expertise

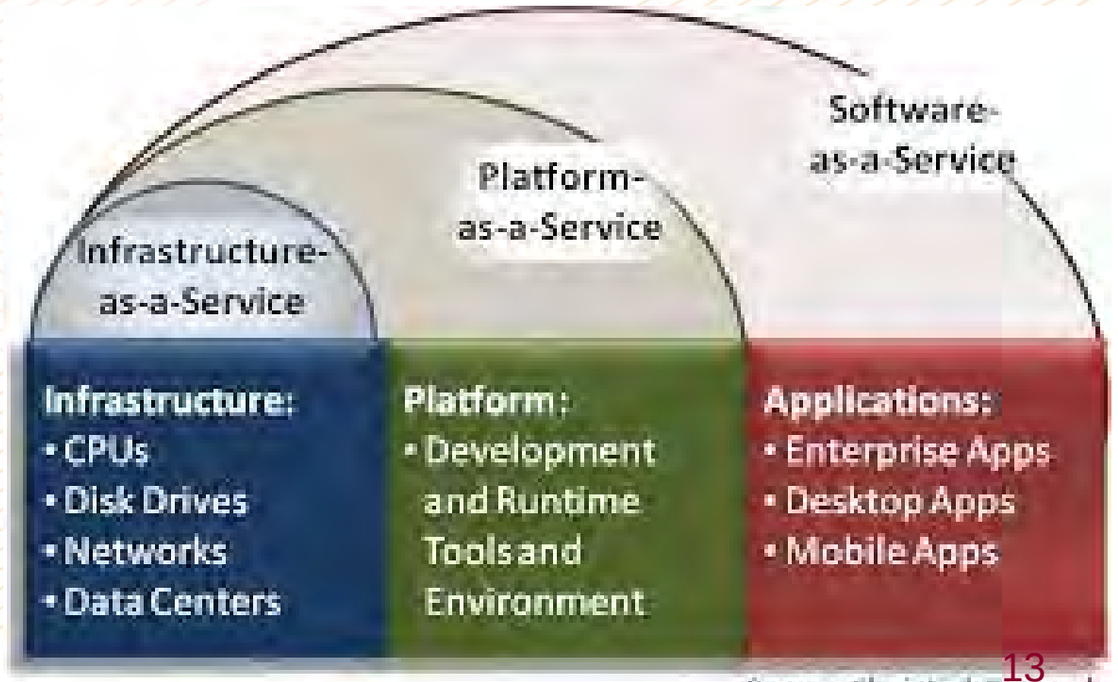
Capitalize on expertise and services within Canadian academic libraries in specific areas of research data management:

- data management planning
- privacy, security, and confidentiality
- data curation
- data preservation
- data dissemination and access
- data discovery
- skills and training

National platform services

Develop and support national platform services for data planning, preservation and discovery

- Operations
  - Data management planning tool
  - Ingest and repository services
  - Preservation services to maintain data long-term
  - Aggregated discovery tool
  - Metadata guidelines and procedures
- Service model
  - Collaborative development with constellation of partners
  - Local, regional and national configurations
  - Institutions lacking local mechanisms will have access to services via other participants acting as host sites



Source: ChainLink Research

First service launch, October 2015

portage

plans de gestion des données

DMP ASSISTANT PGD

data management plans

http://portagenetwork.ca
http://reseauportage.ca

portage

Shared stewardship of research data

Version française

Home About Help

DMP Assistant is a bilingual tool for preparing data management plans (DMPs). The tool follows best practices in data stewardship and walks researchers step-by-step through key questions about data management.

Sign in +

If you have an existing account with DMP Assistant or previous

+

ngle sign-in authentication. For
unt. You will have the option to
s ID when that feature

Step 1

Sign up with DMP Assistant

Step 2

Sign in and select a template under Organizations.
The Portage template is the default.

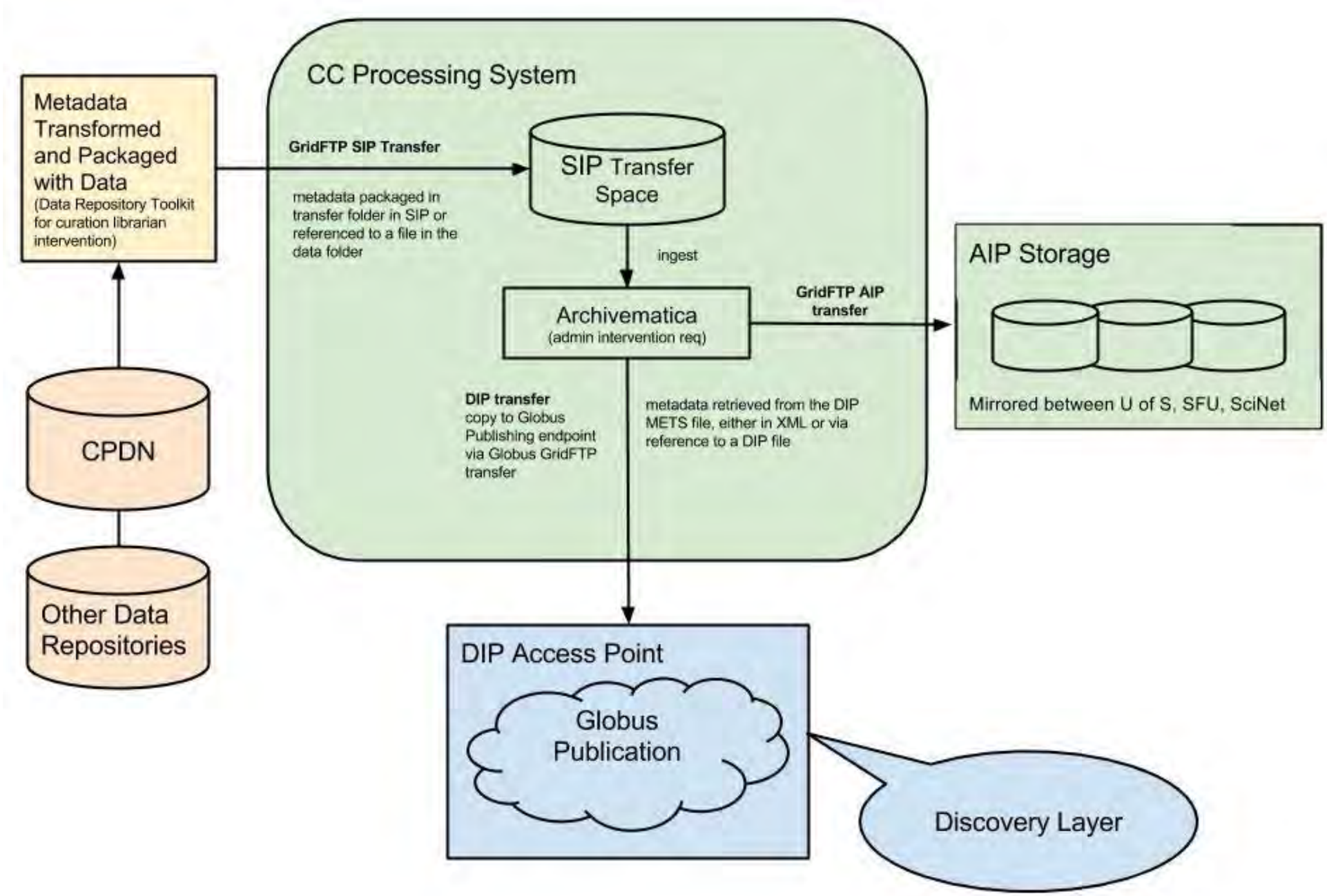
Step 3

Answer the questions that are relevant to your work.
Guidance and examples are provided.

Step 4

Revisit the tool throughout your research
to review or revise your answers.

National Preservation Pipeline Service with Compute Canada (in progress)



Portage next steps

- Steering Committee of stakeholders will be launched in January 2016 to provide advice on a governance model for Portage.
- Additional Expert Groups will be formed to address the RDM areas previously listed.
- We will seek partners in developing RDM national platform services.
- We will continue to consult with stakeholders to find areas in which to collaborate.

Discussion topics

- What research data infrastructure do you require to fulfill data policy requirements?
- What research data infrastructure is needed locally?
- What global research data infrastructure would your institution use?

Understanding Infrastructure: Dynamics, Tensions, and Design
P. Edwards, S. Jackson, G. Bowker, and C. Knobel, January 2007

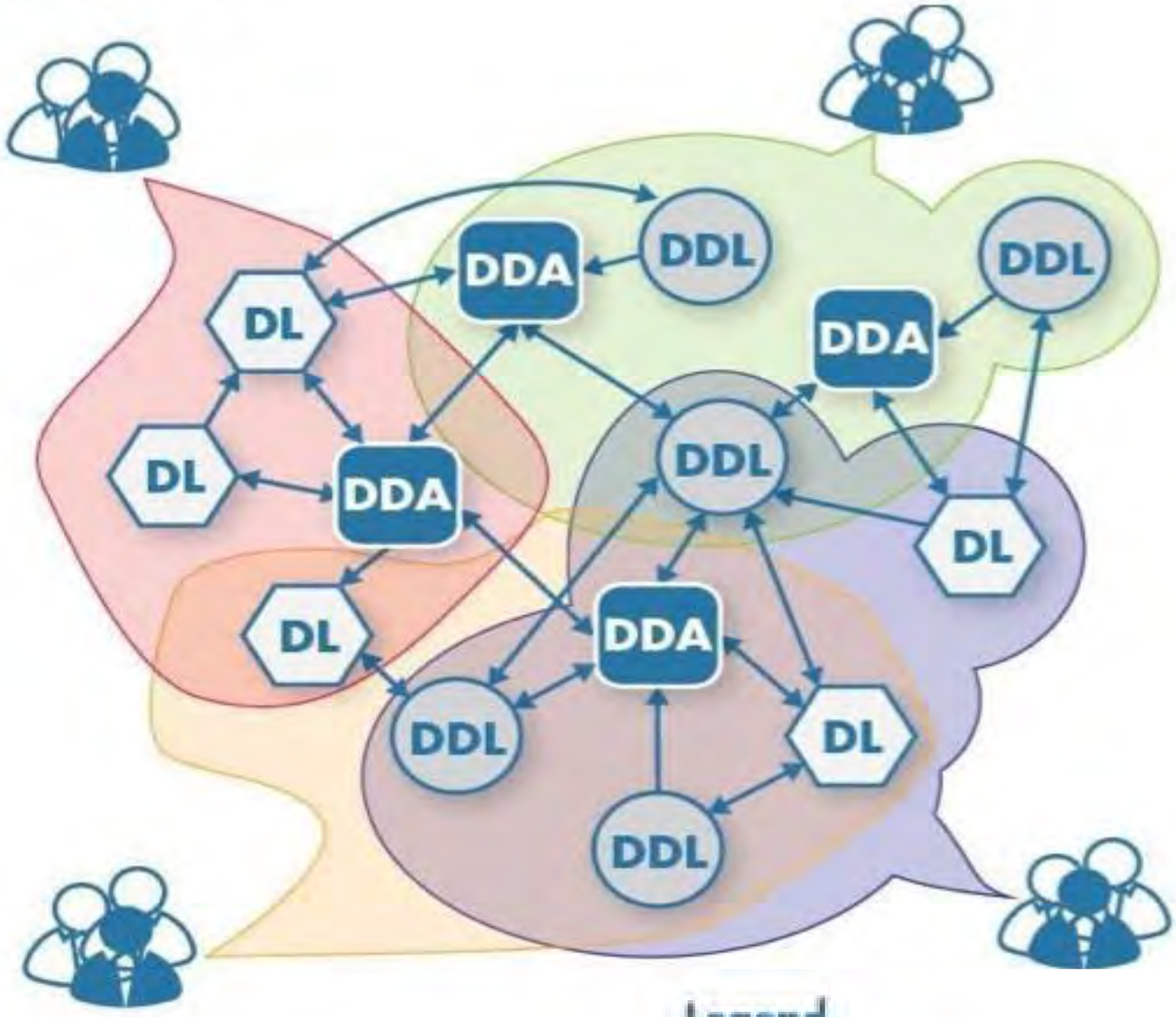
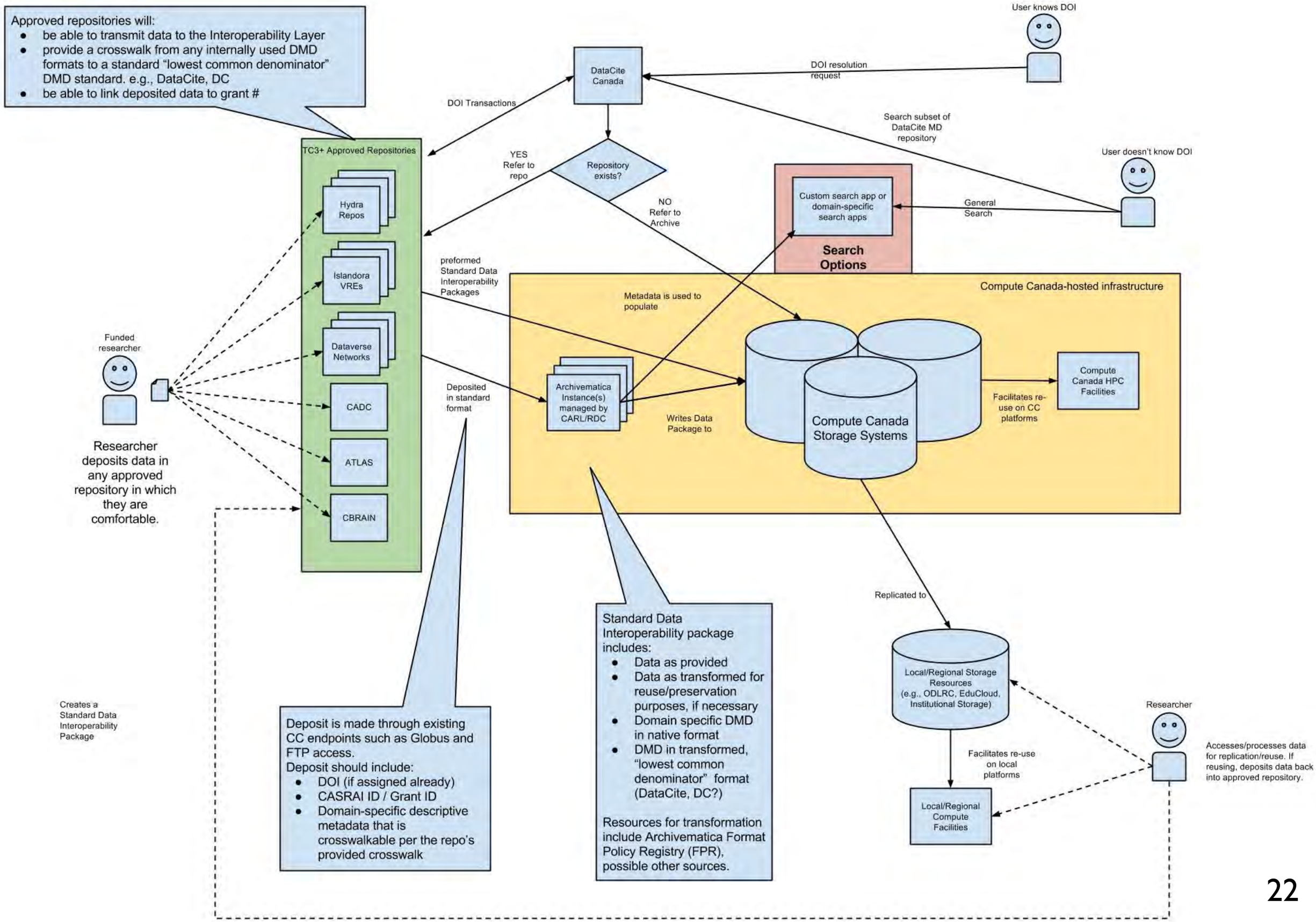


Figure 1 – GRDI2020 Digital Science Ecosystem

Project ARC Preservation Workflow Concept



“It takes a research community to preserve its data.”

To Stand the Test of Time

Long-term Stewardship of Digital Data Sets in Science and Engineering

A Report to the National Science Foundation from the ARL Workshop on New Collaborative Relationships: The Role of Academic Libraries in the Digital Data Universe