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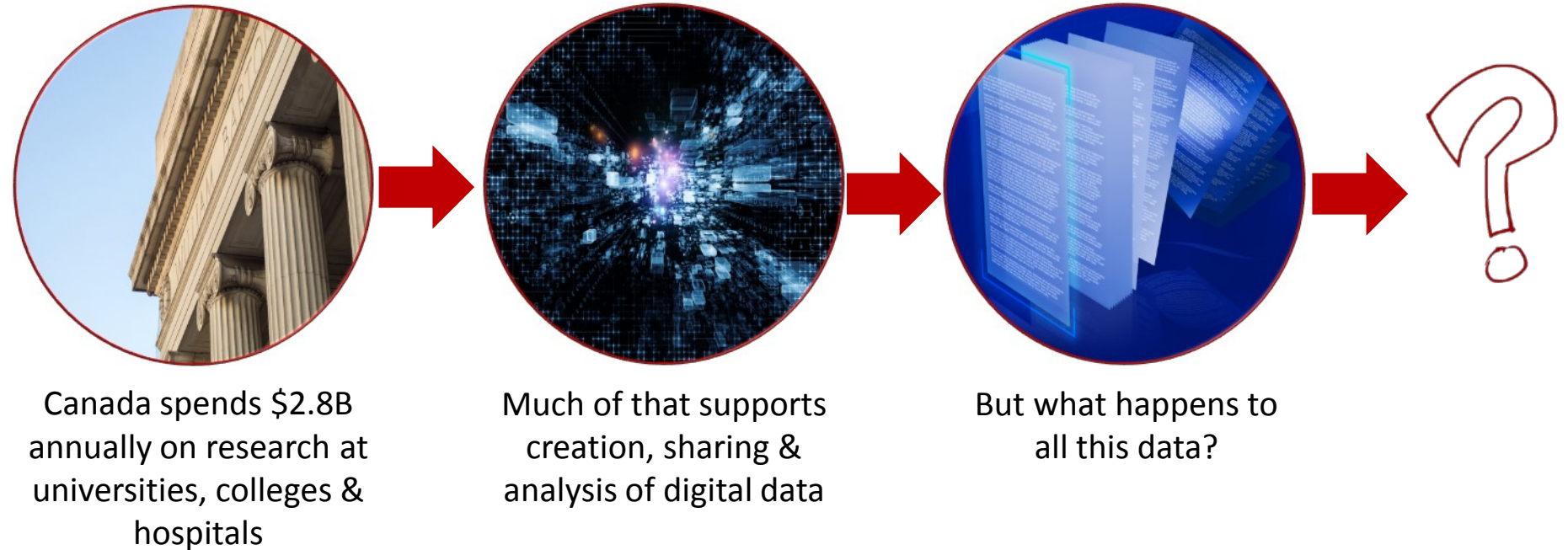


Delivering on our Data-Driven Future

Jim Ghadbane, President and CEO | RDC Workshop | November 17, 2015

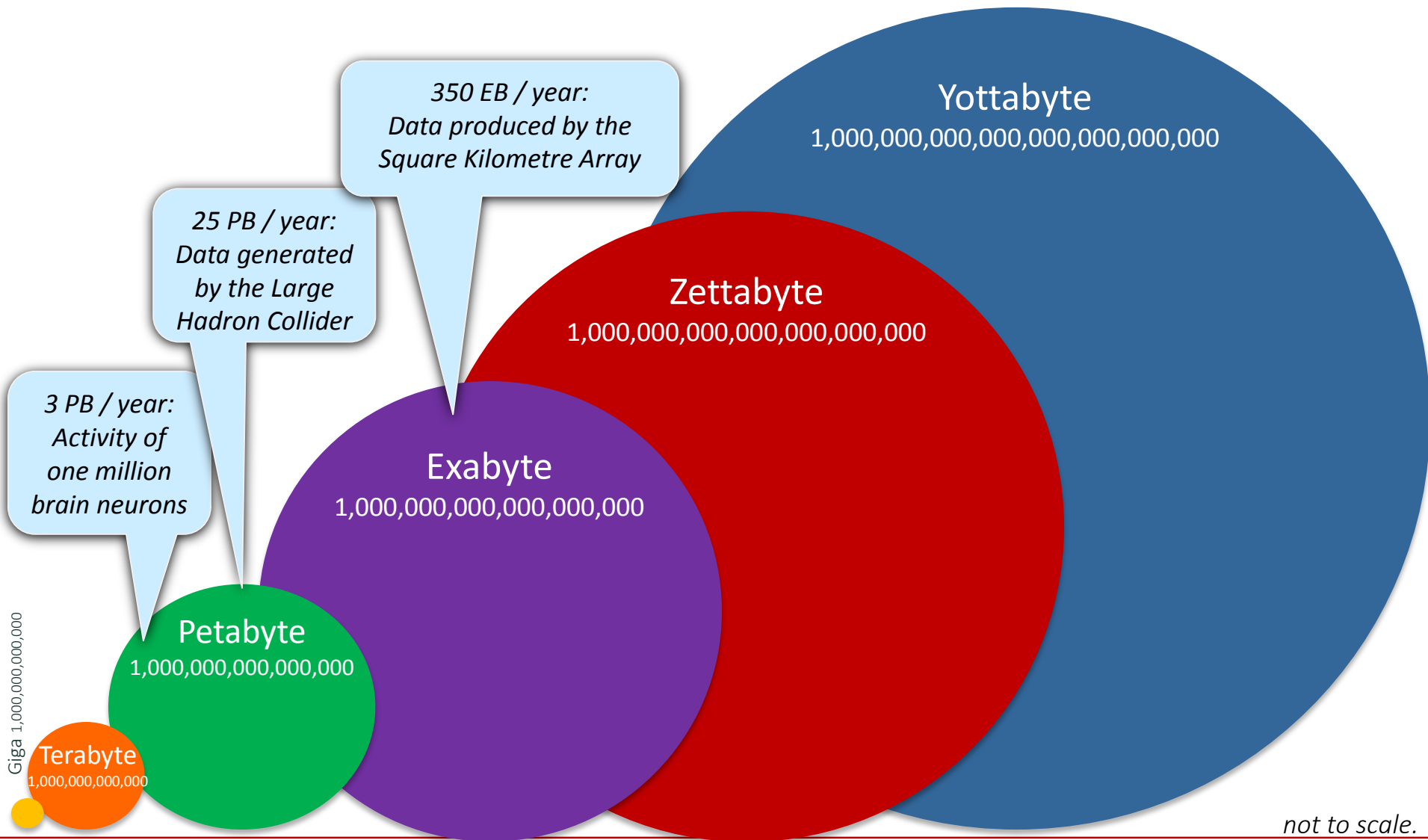
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Why do we care about research data?



*Canada is moving towards a policy of Open Data for research...
but are we ready for it?*

The Digital Transformation of Research



not to scale.

How do users interact with Canada's digital research infrastructure today?

Researchers' current workflow

1



Research funding award

2



Commence research

- > Data acquisition
- > Data storage (local)
- > Algorithmic computation/processing of data
- > Visualization of data

3



Deliver research outcomes

Steps in a typical computational research workflow incorporating data management

New



Data Management Plan



Data Acquisition / Sensor Management



Storage

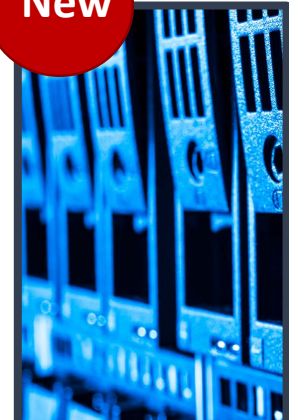


Computation / Processing



Visualization

New



Long-term data curation, storage and reuse

Workflow

Steps in a typical computational research workflow incorporating data management

New



Data
Management
Plan



Data
Acquisition /
Sensor
Management



Storage

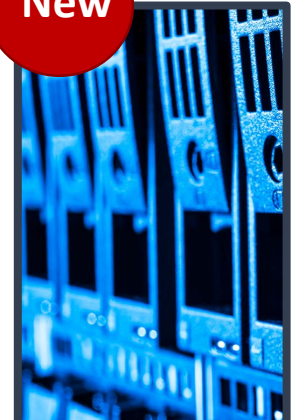


Computation
/ Processing



Visualization

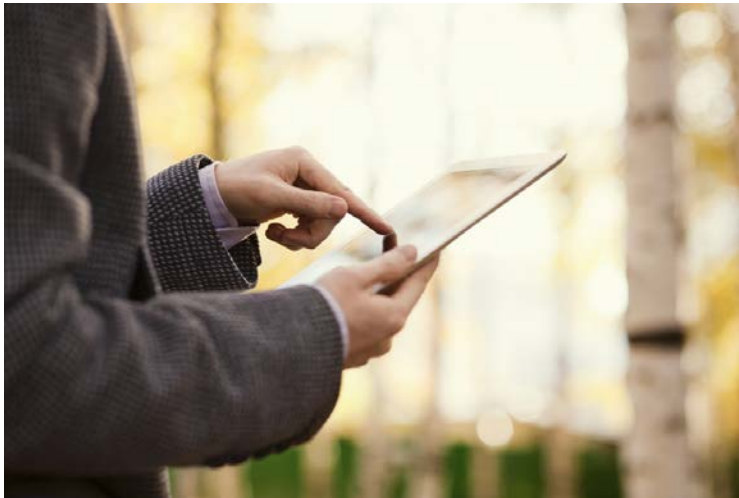
New



Long-term
data
curation,
storage and
reuse

Policy; standards; infrastructure; support

CANARIE's vision for an integrated digital infrastructure ecosystem



*Research, collaboration,
innovation. Anytime.*

What are the attributes of a strategic research data management ecosystem?

- > Vision
- > Clear accountability
- > System-wide flexibility
- > Cost and process efficiency
- > User focus and accessibility
- > Strong stakeholder governance

How does this benefit stakeholders?



accelerates
discovery;
reduces duplication
of effort;
focuses investments;
catalyzes
opportunities for
commercialization



enables policy
compliance;
strengthens
collaboration;
expands pool of
research resources



unleashes value of
data;
supports cohort of
data-savvy HQP;
strengthens
competitive position

How do we get there?

> Engagement with stakeholders is key:

- How do you want to work with us?
- Who should be involved?
- How do we ensure broad stakeholder engagement?



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