



What shall we do about digits?

Data has a big future

What should we do?

What have we learned (at the DPC)?

What's the problem?

A single practical proposal

An invitation and welcome

Data has a big future



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2nd

Data as the new oil: Big Data, Big Science Too?

Needs refining and enhancing ... but

Frictionless

Abundant

Ubiquitous

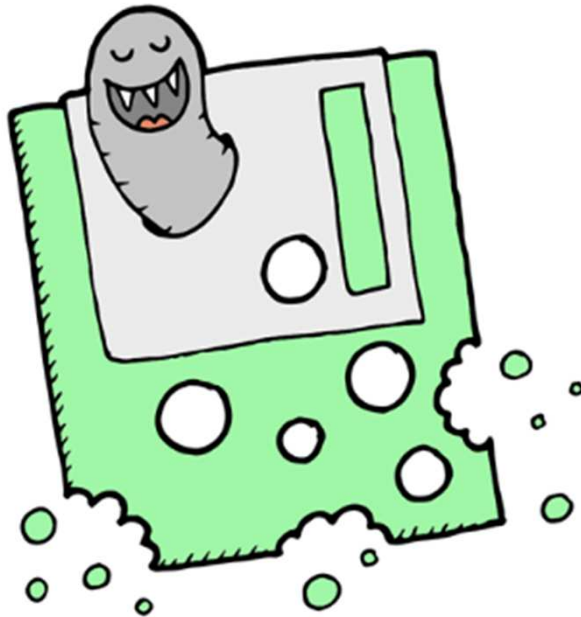
Inexhaustible

@williamkilbride

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...Digital
Preservation
Claxon...

Digital preservation makes bleak reading



<your details here>

.....
.....
.....

What's the problem?

Media failure

Media obsolescence

Software failure

Software obsolescence

Inaccessible file format

Format migration errors

Loss of media

Disaster

Broken dependency

Failure of systems integration

Data Theft

Virus or malware

Poor documentation

Poor rights management

Lost encryption key

Poor version control

Inadvertent deletion

Malicious deletion

Poor file-naming

Corruption

Link rot

...



Digital**Preservation**Coalition

Also Lived Experience?

**CORPORATE ABANDONMENT
IS AS BIG A THREAT
TO THE DIGITAL ESTATE
AS OBSOLESCENCE**



**PEOPLE WITH SOMETHING
TO HIDE ARE AS BIG A THREAT
TO THE DIGITAL ESTATE
AS OBSOLESCENCE**

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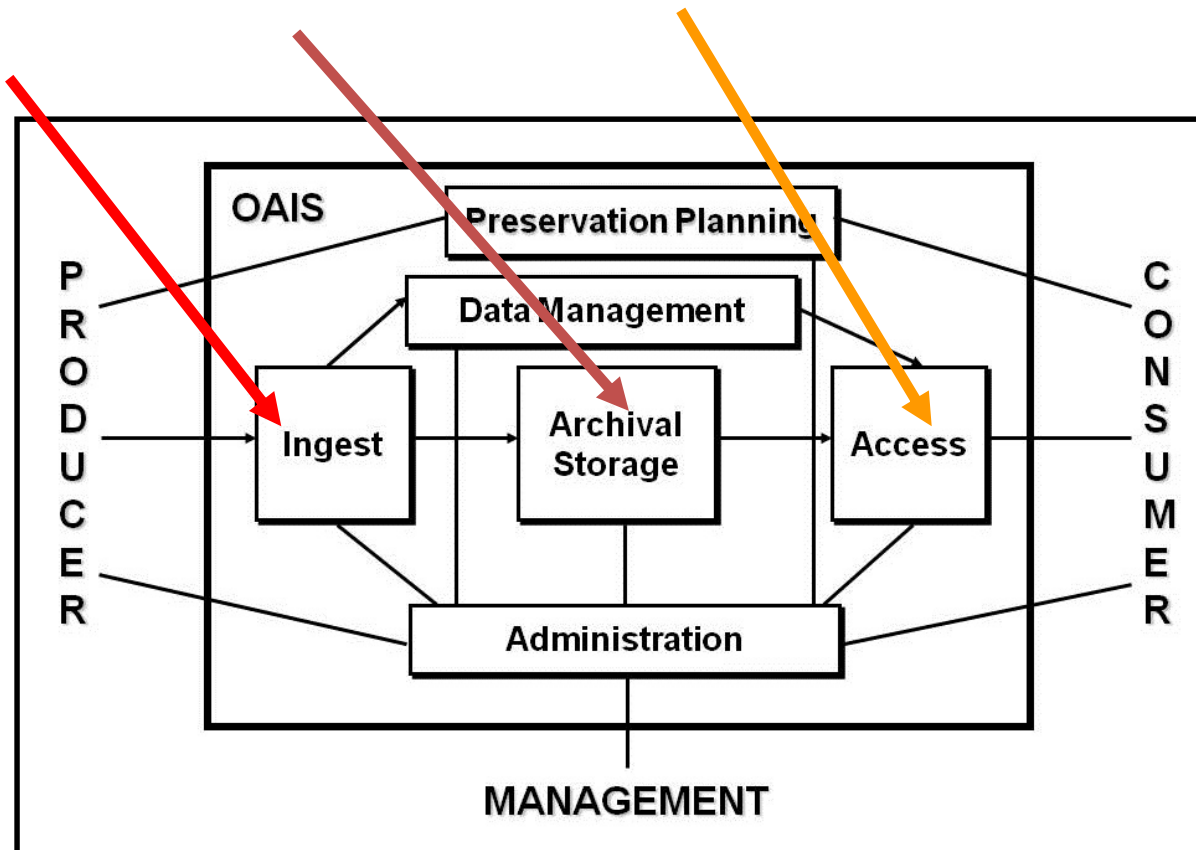
What shall we do about it?

How hard can it be?

Submit

Archive

Disseminate



Lavoie 2015

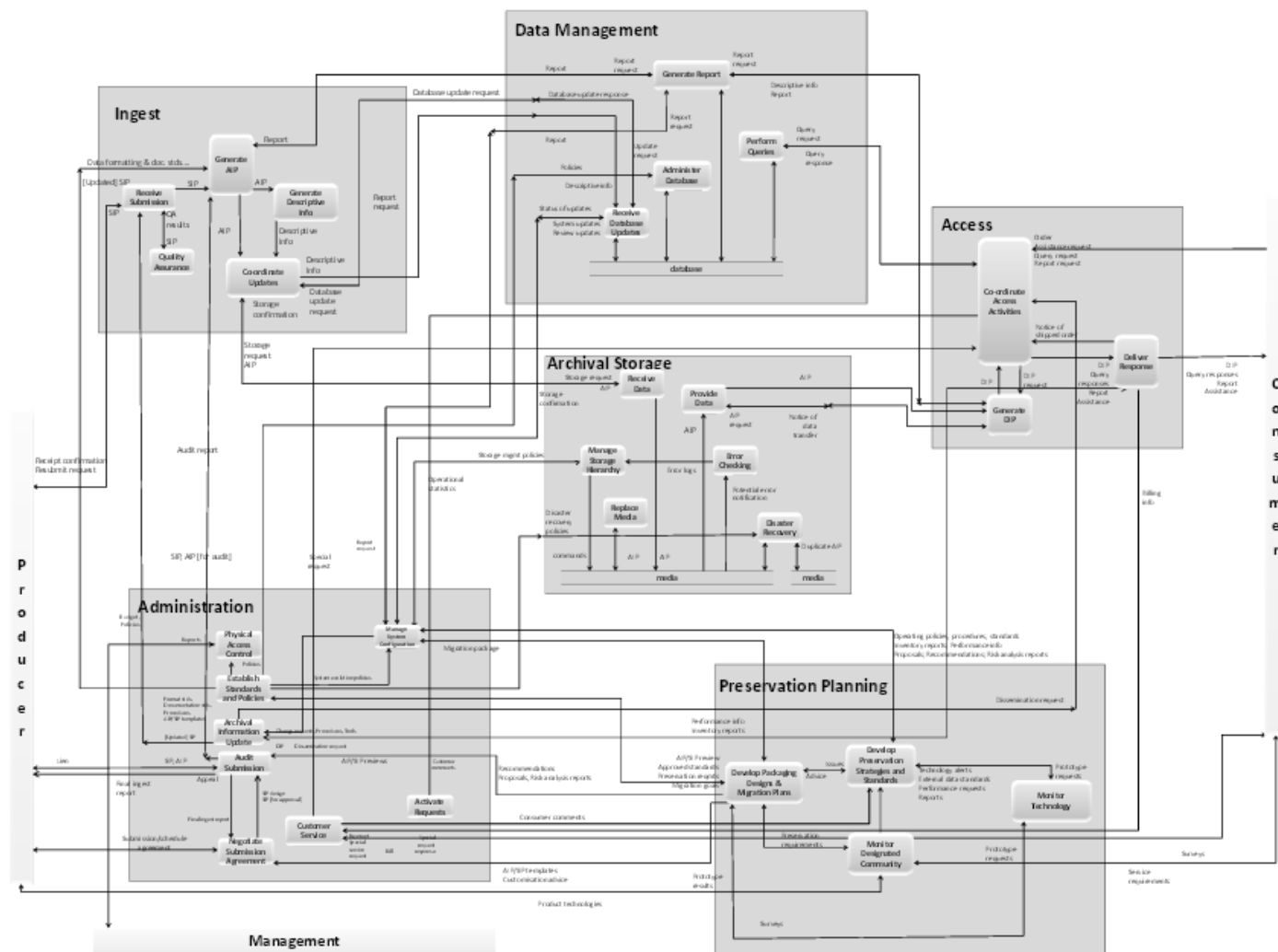
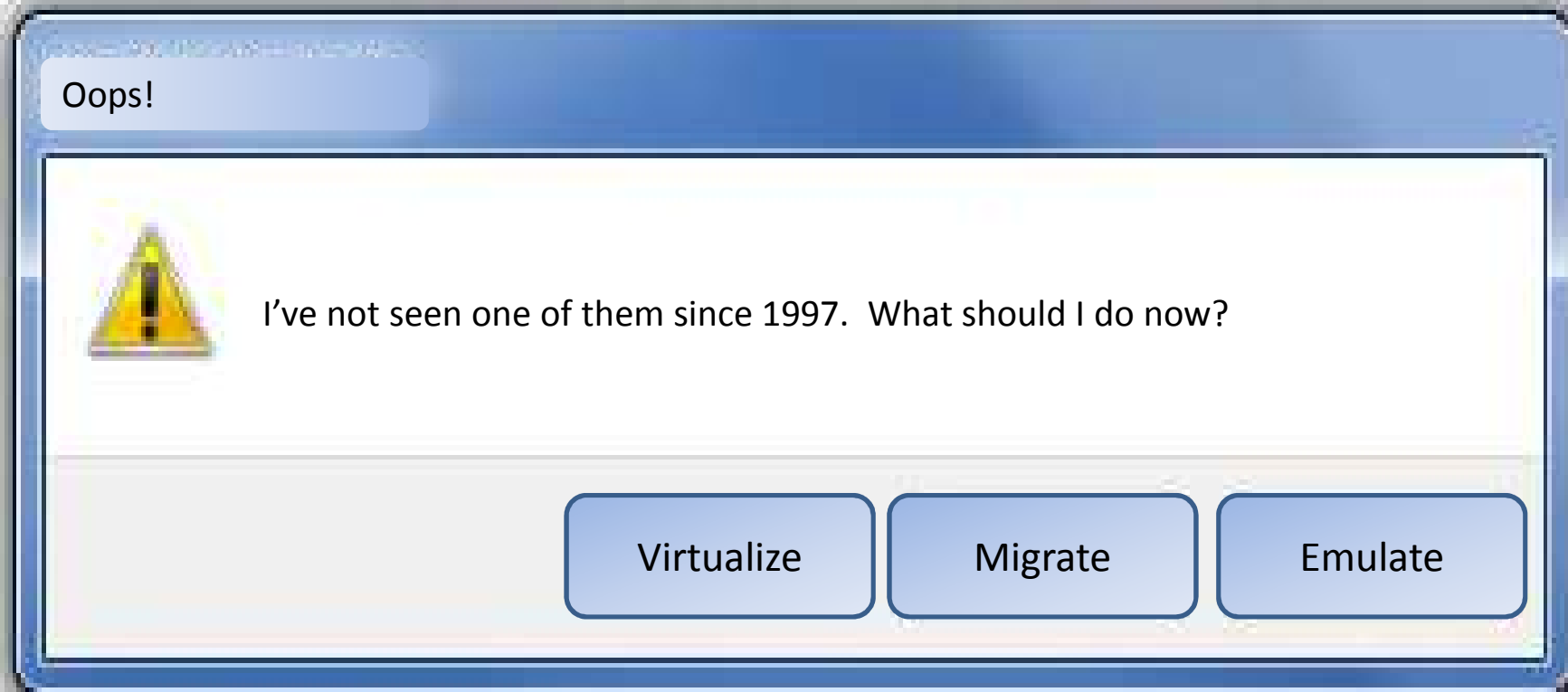


Figure A-1: Composite of Functional Entities

This is what success will look like:
Simple; invisible; intensely clever; user-focussed

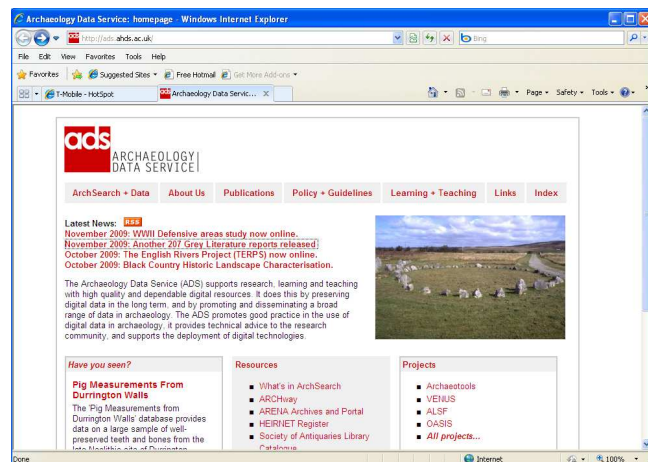


What we have learned at the DPC

Real Problems: Real Actions

1. Time is money: timing is everything
2. What is data? What is processes?

How much does a repository cost Here's two I prepared earlier ...



Setup:
Tens of thousands?



Setup:
Tens of millions?



Digital preservation expensive ..?

No: it's an unfunded mandate

Do we know the

- value of data?
- costs of data?
- costs of inaction?

...money turns out to be the major problem facing the future of our digital heritage. (Rosenthal 2012)

Data creation:

Approx 60% per annum

Storage capacities:

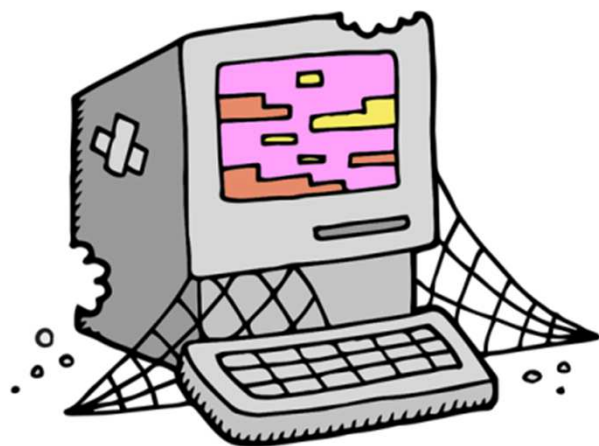
Approx 40% per annum

IT Budgets:

Approx 2% per annum



2. What is Data?



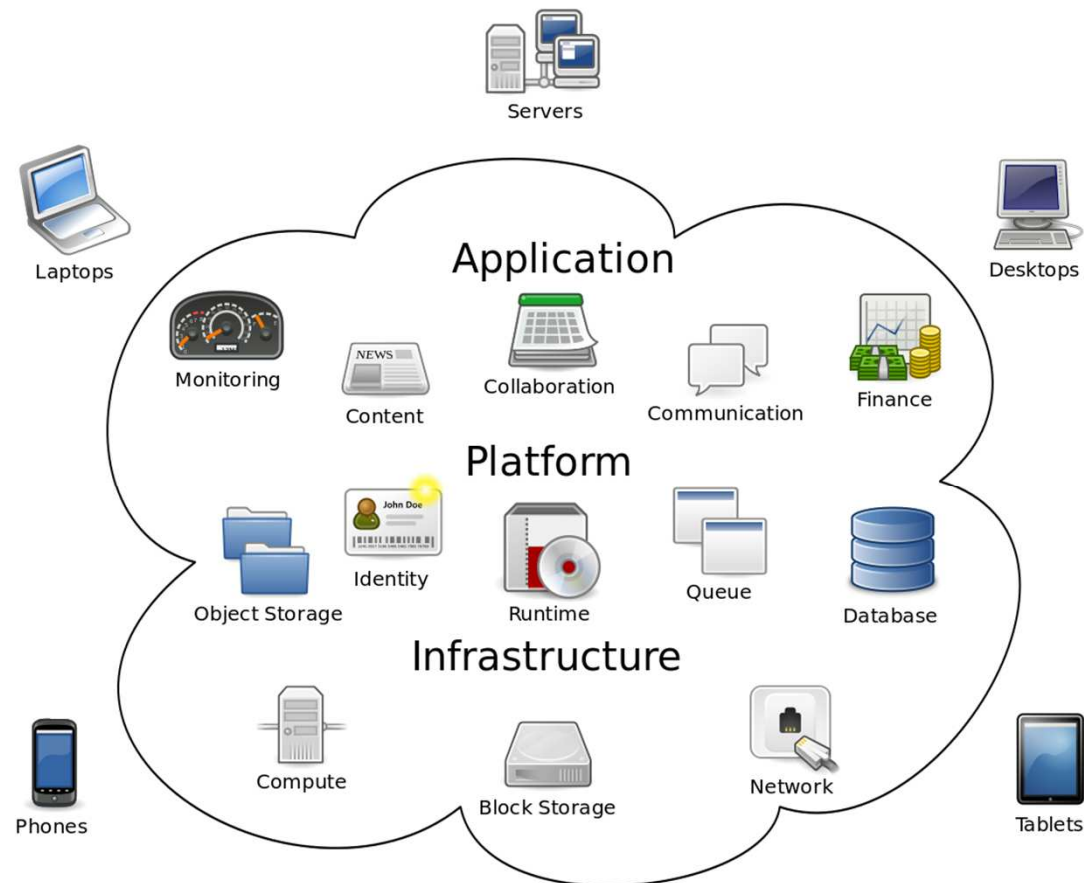
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or

Towards a universal declaration of interdependence.

What is the problem?

Cloud Computing



Cloud computing is the delivery of computing as a service rather than a product

What's the problem?

What's the problem?

- Digital data (images, documents etc) have value
 - They create opportunities
- ...but...
- Access depends on software hardware and people
 - Technology and people change
- ...therefore...
- Constantly emerging barriers to reuse
 - So, constantly emerging barriers to opportunities

My point: *data loss is not the problem ...*

MORE TRANSPARENT

More creative

Safer

Smarter

Healthier

Wealthier

Greener

Fairer



Digital **Preservation** Coalition

Digital preservation not just about technology:
not just about 'data':
not just about 'permanent access':

it's about

people

opportunity

A yellow, multi-pointed starburst graphic with a black outline, tilted diagonally. It contains the text "Don't start with the bits: start with the people" in a black, sans-serif font.

Don't start
with the
bits: start
with the
people

One single proposal:

NB: the problem is hard but fixable



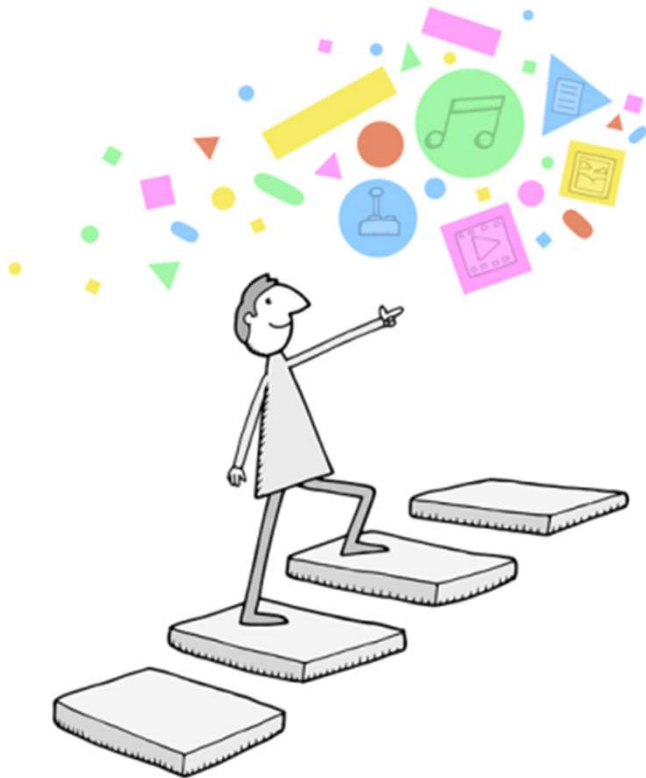
So stop everything else you are doing.

**Let's work
together on this**

or the promise of big data is at risk

An invitation and welcome

The Digital Preservation Coalition



...a secure digital legacy...



We do 6 things ...

- **Advocacy**
- **Community engagement**
- **Workforce development**
- **Capacity Building**
- **Good Practice and Standards**
- **Management and governance**



Advocacy ...

- BitList
- Digital Preservation Awards
- Advocacy Tools
- Advocacy Support



Community Engagement...

- Networking
- Webinars
- Blog
- Unconference
- Email List
- World Digital Preservation Day
(29th November 2018)



Workforce Development ...

- DP Handbook
- Getting Started and Making Progress
- Leadership Programme Grants
- Labour Market Intelligence
- Curriculum Development



Capacity Building ...

- Technology Watch Reports
- Briefing Days
- Digital Preservation Anonymous
- Research Projects



Good Practice and Standards

- OAIS Review
- Understanding member needs
- Talking to vendors
- Certification and accreditation



Good Governance...

- Member owned and member led
- Transparent
- Accountable
- Responsive



BACARDI



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Library and Archives Canada



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Welsh Government



Data Archiving and Networked Services





DPC as a partner and friend!

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