



Digital **Preservation** Coalition

## Introducing the Digital Preservation Coalition



Thinking about data  
Core concepts  
DPC: enabling  
DPC: agenda-setting

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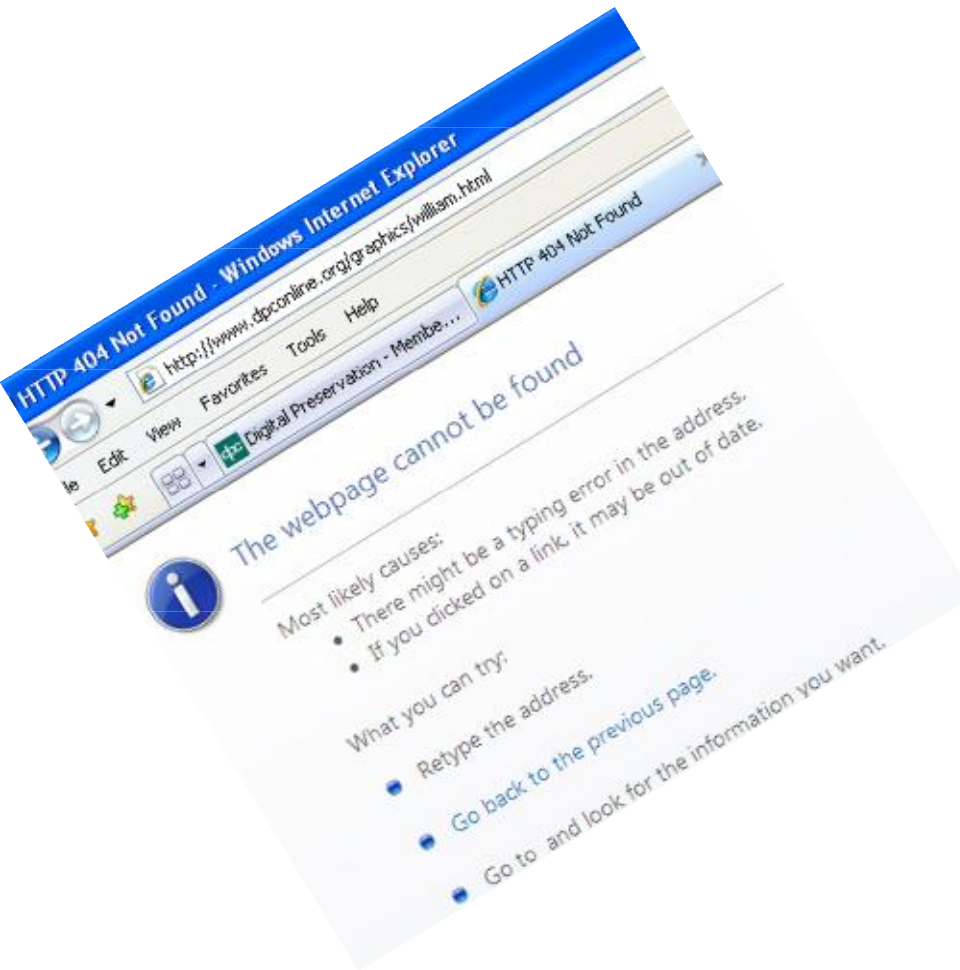
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our digital memory available tomorrow



*...the long term is trickier than we expected ...*

Volumes of data  
Complexity of data  
Requirements of data  
Expectations

IBM 305 RAMAC (1956) with 50 x 24" discs holding 4.4Mb Leased by IBM for \$35,000 pa



*“...with the life of an average website estimated to be around **44 days** (about the same **lifespan as a housefly**) there is a danger that invaluable scholarly, cultural and scientific resources will be **lost**’*

UK Web Archiving Consortium



Digital **Preservation** Coalition

*... many of these resources have **lasting value and significance**, and therefore constitute a **heritage** that should be **protected and preserved** for current and future generations.*



UNESCO Charter on the Preservation of the Digital Heritage



Digital Preservation Coalition

## Therefore ... the Digital Preservation Coalition



*...to make our digital  
memory accessible  
tomorrow ...*

Enabling  
Agenda-setting



Digital Preservation Coalition



Trinity College Library Dublin



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*... first and foremost a coalition...*



Shared challenge  
Cross-sector  
Cross-discipline  
Policy and practice

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*... working together on...*  
OAIS



Archive

Disseminate

Submit

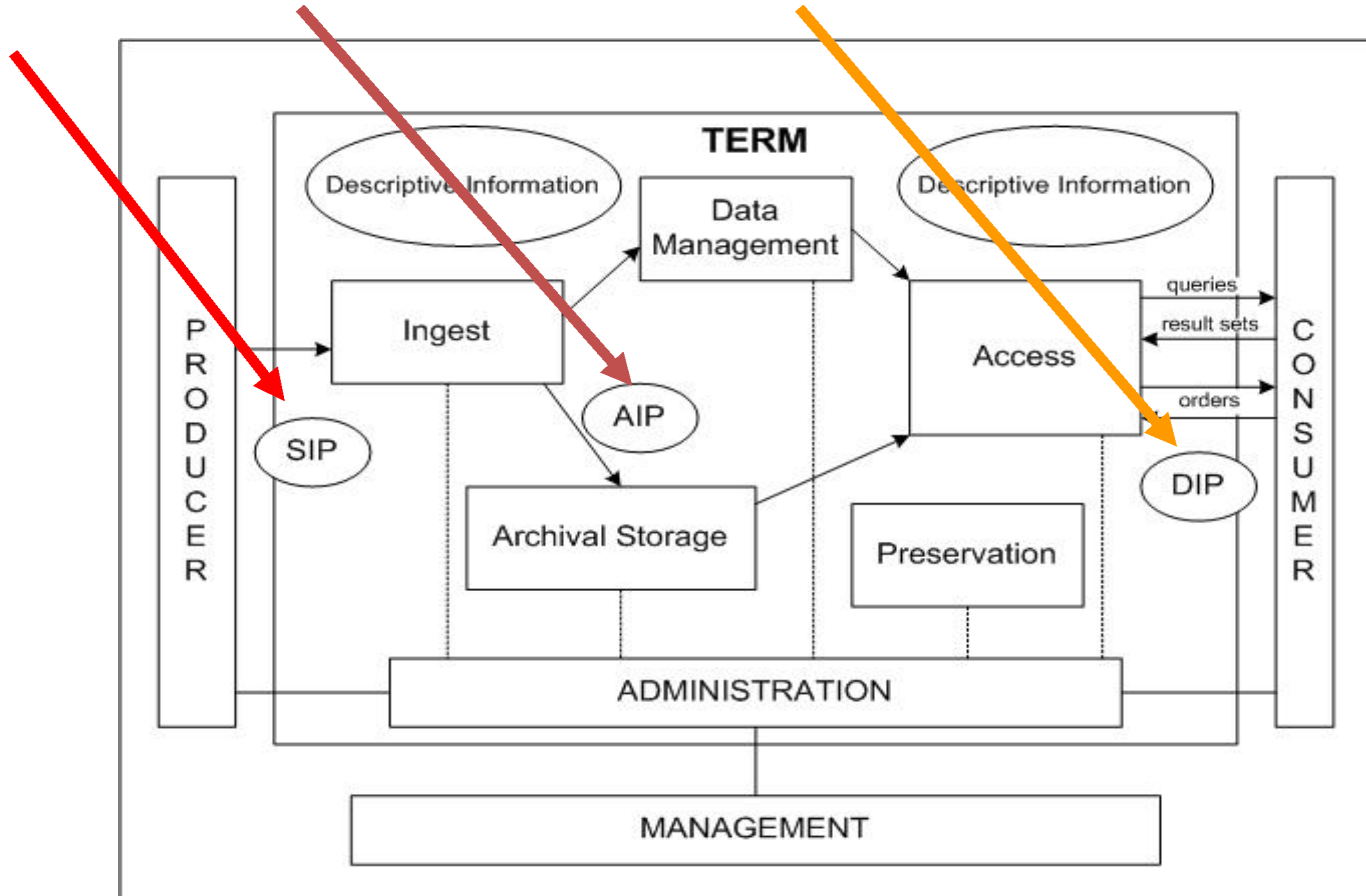


Fig. 1. Major functions of the OAIS Reference Model from Consultative Committee for Space Data Systems (CCSDS), CCSDS 650.0-W-1, Producer-Archive Interface Methodology Abstract Standard. (OAIS), White Book, Issue 1, Draft Recommendation for Space Data System Standards.

Picture from DLib





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*... working together...*

OAIS

Consultative Committee for  
Space Data Systems

OAIS Standard Review

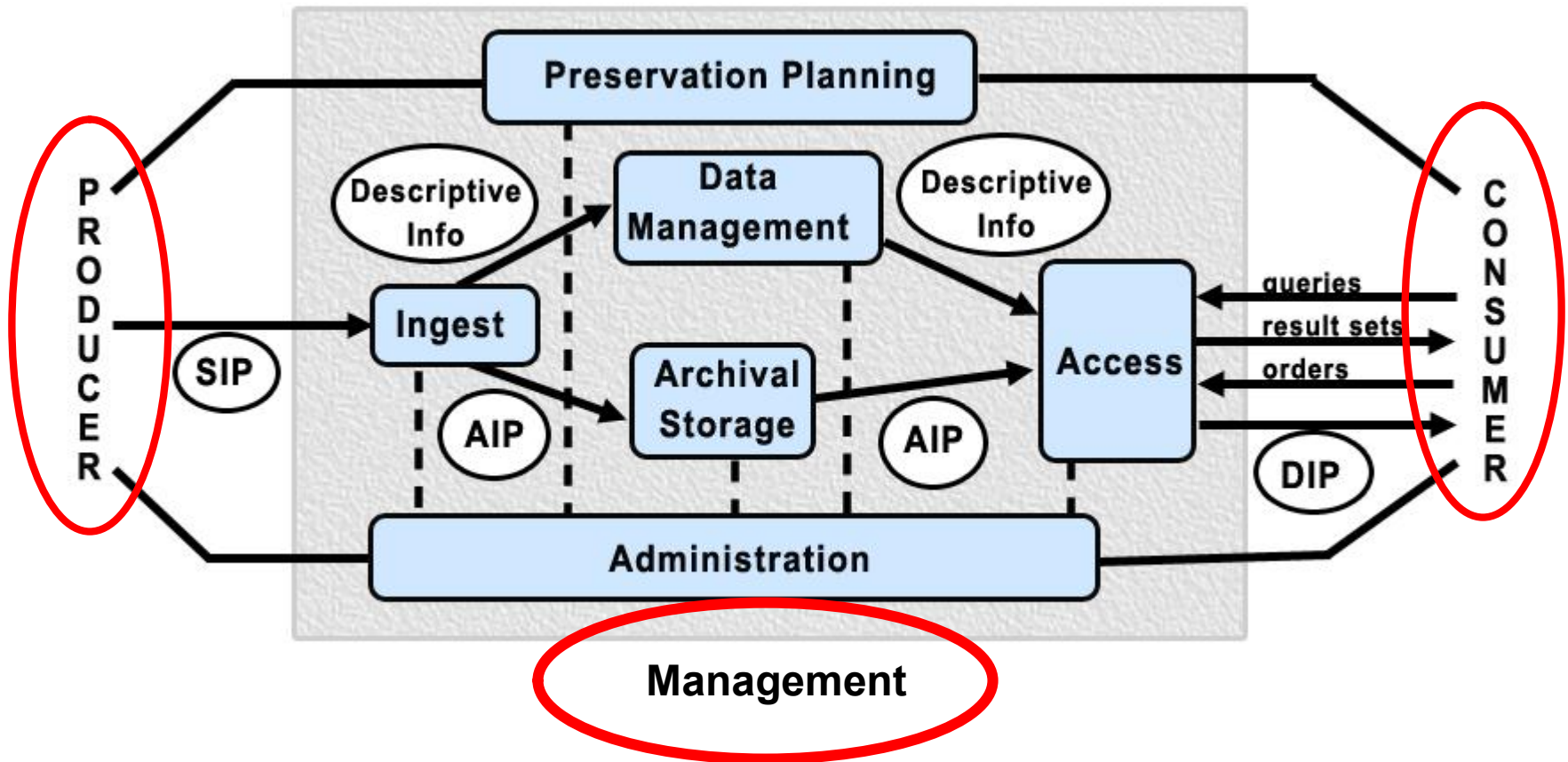
DCC + NLW + NAS + BL +

NIO ...

# **Core Functions**

- **Negotiate with for appropriate content**
- **Obtain sufficient control**
- **Determine the scope of the community**
- **Ensure independent utility of data**
- **Follow procedures for preservation**
- **Disseminate data to community**

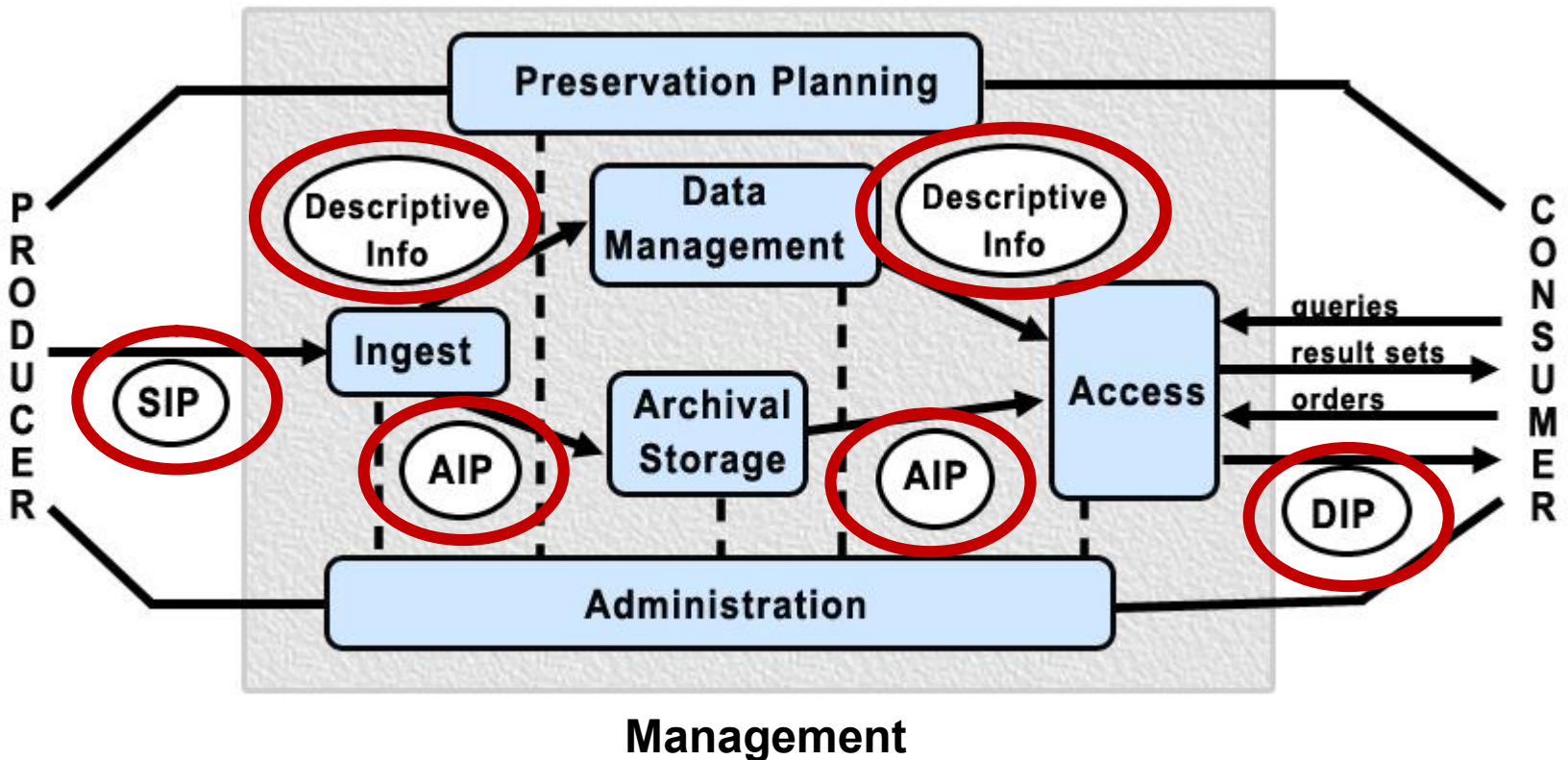
# Diagramarama: the actors



**Who are your producers?**

**Who are your consumers?**

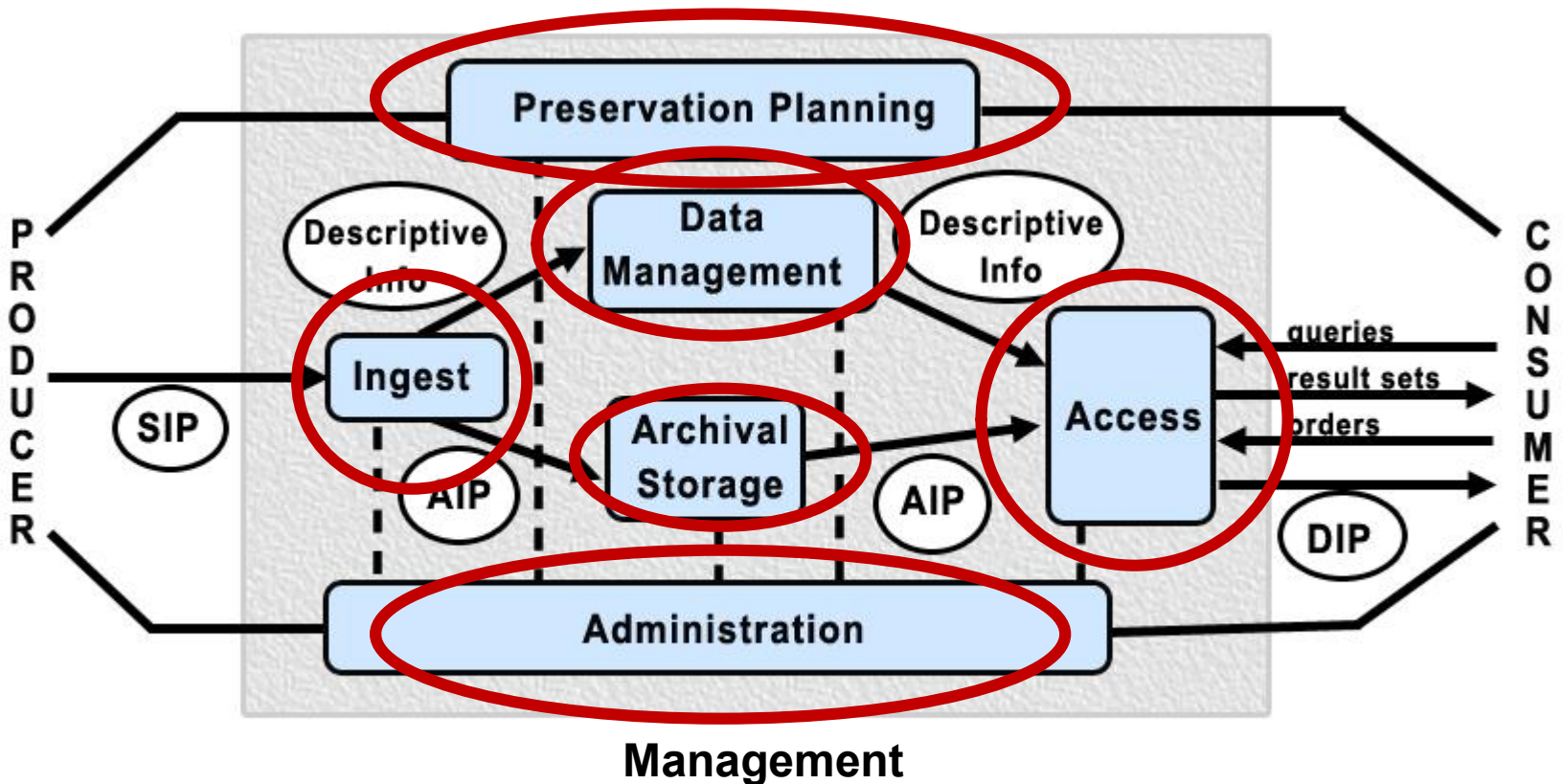
# Diagramarama: the objects



**What do your producers produce?**

**What do your consumers consume?**

# Diagramarama: actions



**NB: not a production-line process ...**



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*... Enabling*  
DP Handbook  
Email lists  
Training  
What's new in DP  
Workshops  
Conferences  
Technology watch reports

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*... Technology Watch*  
PDF and PDF/a  
JPEG 2000  
OAIS standard  
Mass storage  
Institutional repositories



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*Imminent*  
File formats  
Geospatial data

*Next*  
Web archiving

*Then*

...

## Proposed 'Priority reports' 2010-2011

- E-journal content
- Email
- Computer Aided Design
- Digital Art
- Moving Pictures and Sound
- Significant properties

## Additional reports' if resources can be found

- Preservation metadata (update)
- Audit and certification
- Massive scale data (update)
- Intellectual property rights for DP
- Sourcing obsolete hardware
- Data protection for DP
- DP for Fol officers
- Repository software (update)
- Computer games
- Preserving 3 dimensions and VR
- Preserving scientific data
- Persistent Identifiers



## *Agenda setting*

Mind the Gap

Local Govt Archives

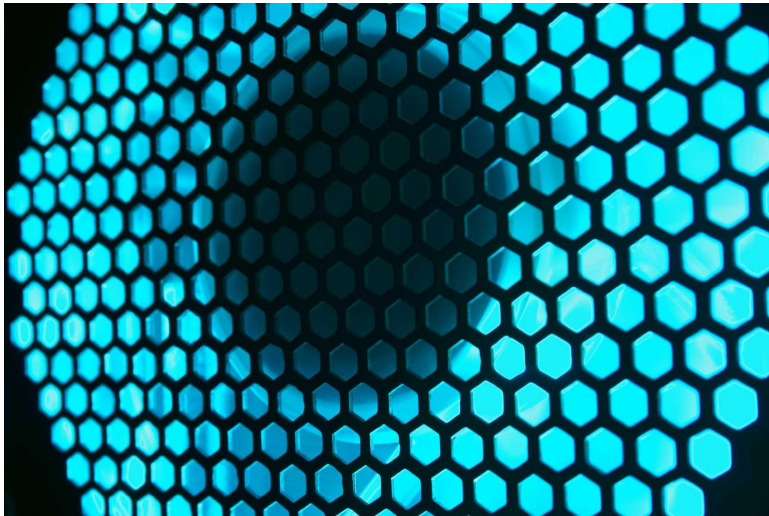
OAIS Standard Review

Digital Britain

Archives for the 21<sup>st</sup> Century



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## *Continuing challenges*

Tools and services

User needs

Collecting strategies

Preservation

Legal deposit

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Digital Preservation Coalition - JISC, the DPC and the UK Web Archiving Consortium Workshop - m - Windows Internet Explo...

http://www.dpconline.org/graphics/events/090721MissingLinks.html

File Edit View Favorites Tools Help

Digital Preservation Coalition - JISC, the DPC and the ...

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[DPC Events](#) > missing links: the enduring web

About the DPC

Membership

DPC Events

Training

DP Award

Handbook

What's New in DP

Reports

Members' Projects

Press Coverage

Links

**JISC, the DPC and the UK Web Archiving Consortium Workshop**

**missing links: the enduring web**

Date: 21<sup>st</sup> July 2009  
 Venue: [The British Library Conference Centre](#), London

The web runs at risk. Our generation has witnessed a revolution in human communications on a trajectory with the origins of the written word and language itself. Early web pages have an historical importance with prehistoric cave paintings or proto-historic pressed clay ciphers. They are just as fragile. The ease of creation, editing and revising gives content a flexible immediacy: ensuring that sources are up to date and, with appropriate concern for interoperability, content can be folded seamlessly into any number of presentation layers. How can we carve a legacy from such complexity and volatility?

Digital Preservation Coalition

in association with UK WEB ARCHIVING CONSORTIUM

Internet 100%



Digital Preservation Coalition



## *Reflections*

We've come a long way!  
Some issues are resolved  
Some issues turn out not to  
be issues ...  
Emerging tools  
Emerging policy  
Still niche



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*Join us!*

Associate membership  
Full membership  
Society of Archivists  
Events and email lists

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