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INTERNATIONAL ASSOCIATION OF SCIENTIFIC, TECHNICAL & MEDICAL PUBLISHERS

Data and Publications,
and how they belong together

Overview of Data Initiatives with STM involvement

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International Association of STM Publishers
Director, Standards and Technology

STM Research Data Group
Web meeting 10 July 2012

Opportunities for Data Exchange

Overview of STM activities on Research Data

- 2007: Brussels Declaration
- 2008 – 2010: PARSE.Insight project (EU)
- 2011 – 2012: project ODE
- 2011 – 2012: NISO-NFAIS suppl journal info

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- 2012 – 2016: APARSEN project (EU)
- 2012 – 2013: Codata Data Citation WG

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How publishers view data:

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Raw research data should be made freely available to all researchers.

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Publishers encourage the public posting of the raw

are submitted with a paper to a journal should wherever possible be made freely accessible to other

Signed by 45 leading publishers and 14 publishers organisations.

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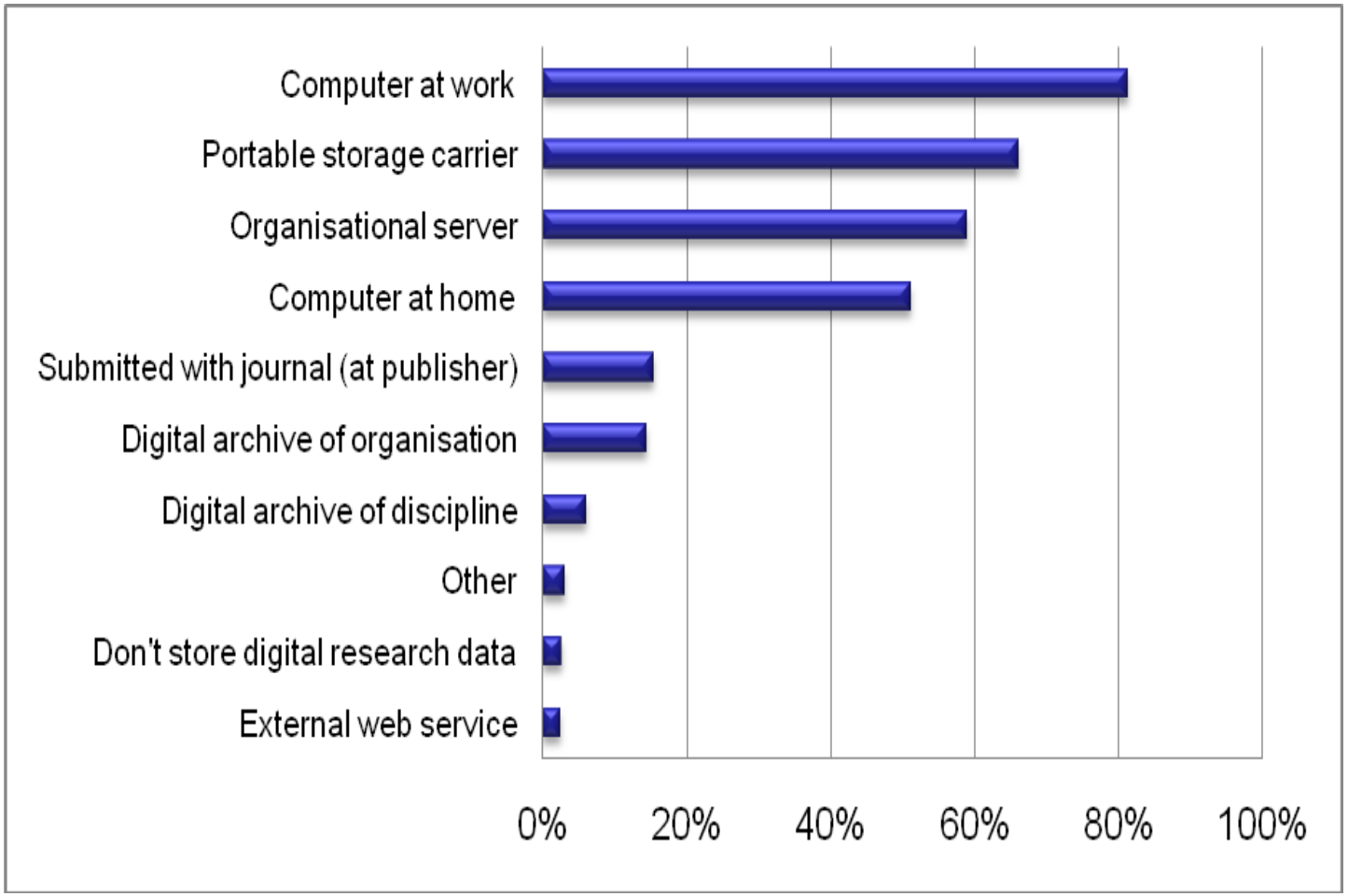
PARSE.Insight: Where do you currently store your research data? (multiple answers possible)



Source: PARSE.Insight survey 2009, N = 1202

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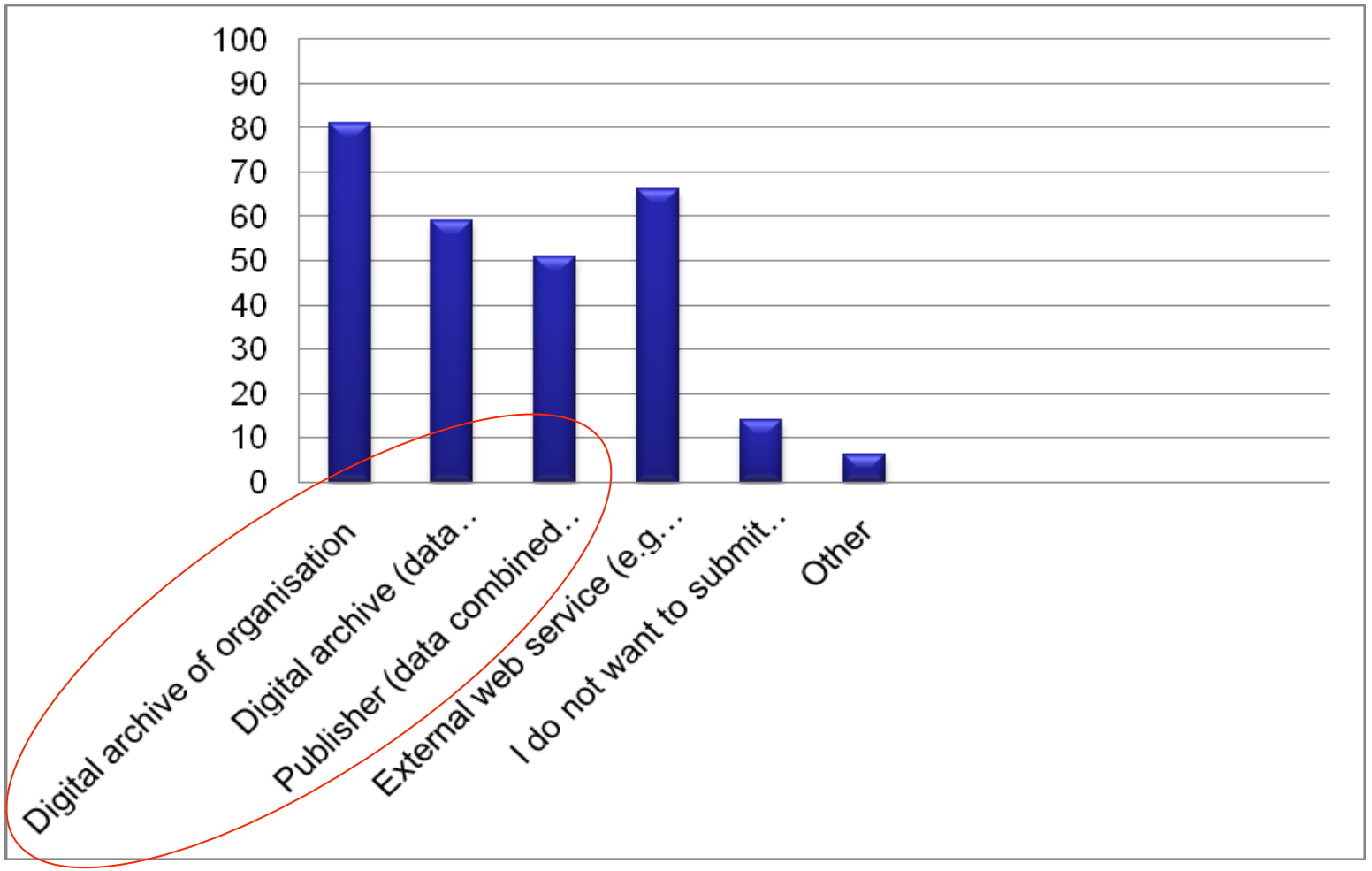
PARSE.Insight: Where would you be willing to submit your research data? (multiple answers)



Source: PARSE.Insight survey 2009, N = 1202

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2010-2012: Project-ODE: Opportunities for Data Exchange

Opportunities for Data Exchange

Objectives

To consider the **impact** that data sharing, re-use and preservation is having on scholarly communication and **identify incentives** for researchers and other stakeholders that will help to optimise the take-up of future e-Infrastructure.

Specific objective:

•Establish the **baseline practices integrating datasets with publications** and vice-versa.

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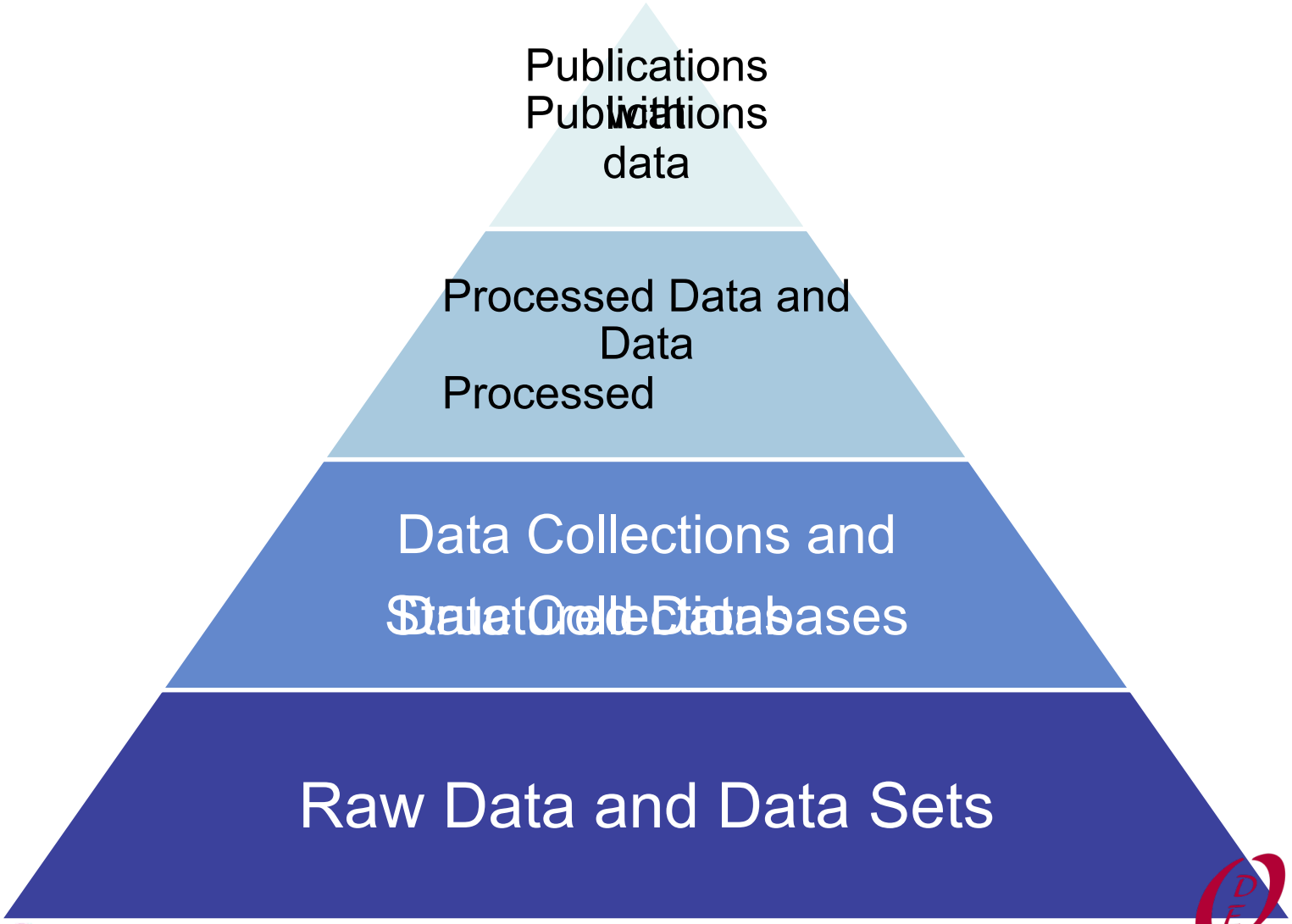
Data Publication Pyramid:



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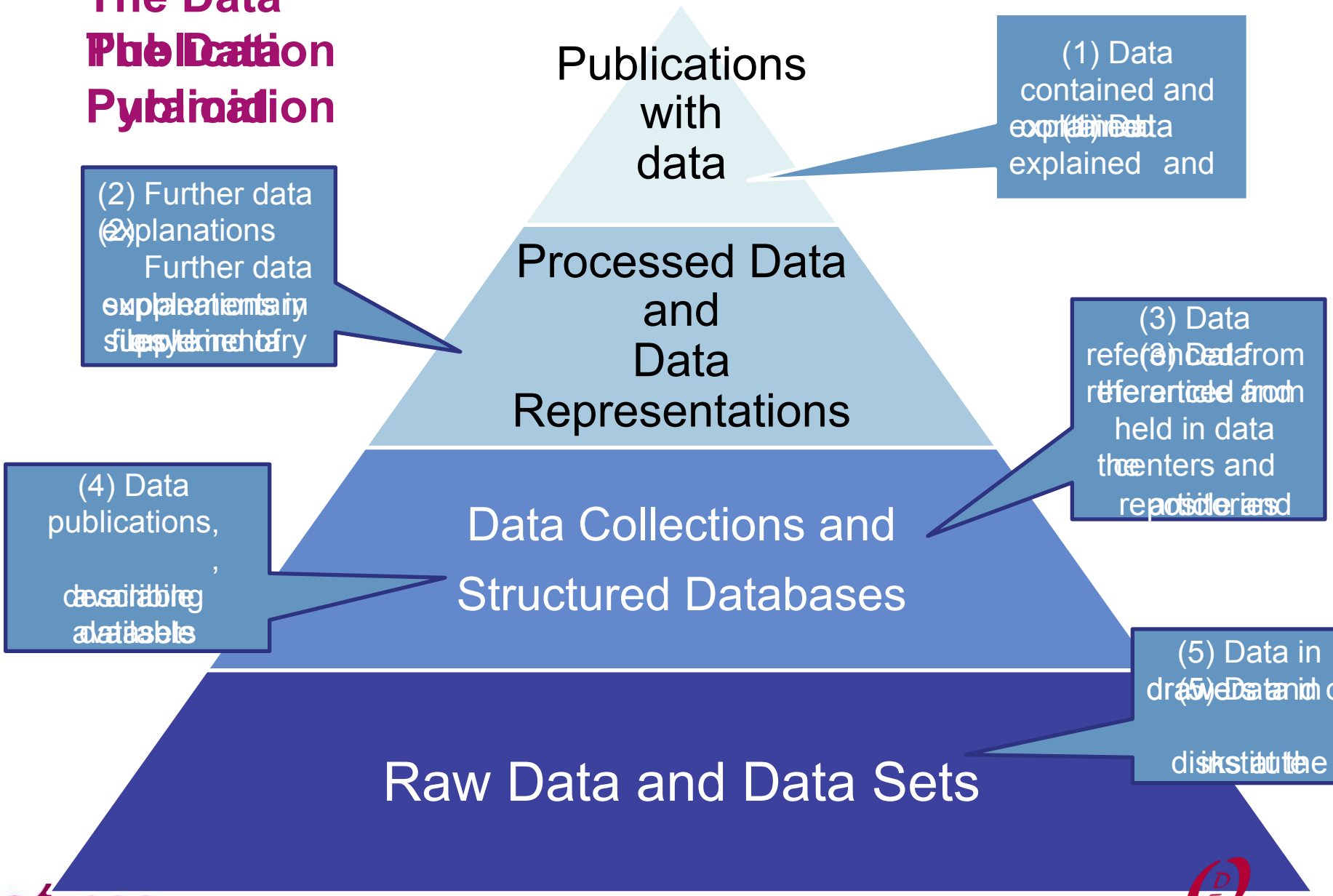
Opportunities for Data Exchange

The Data Publication Pyramid



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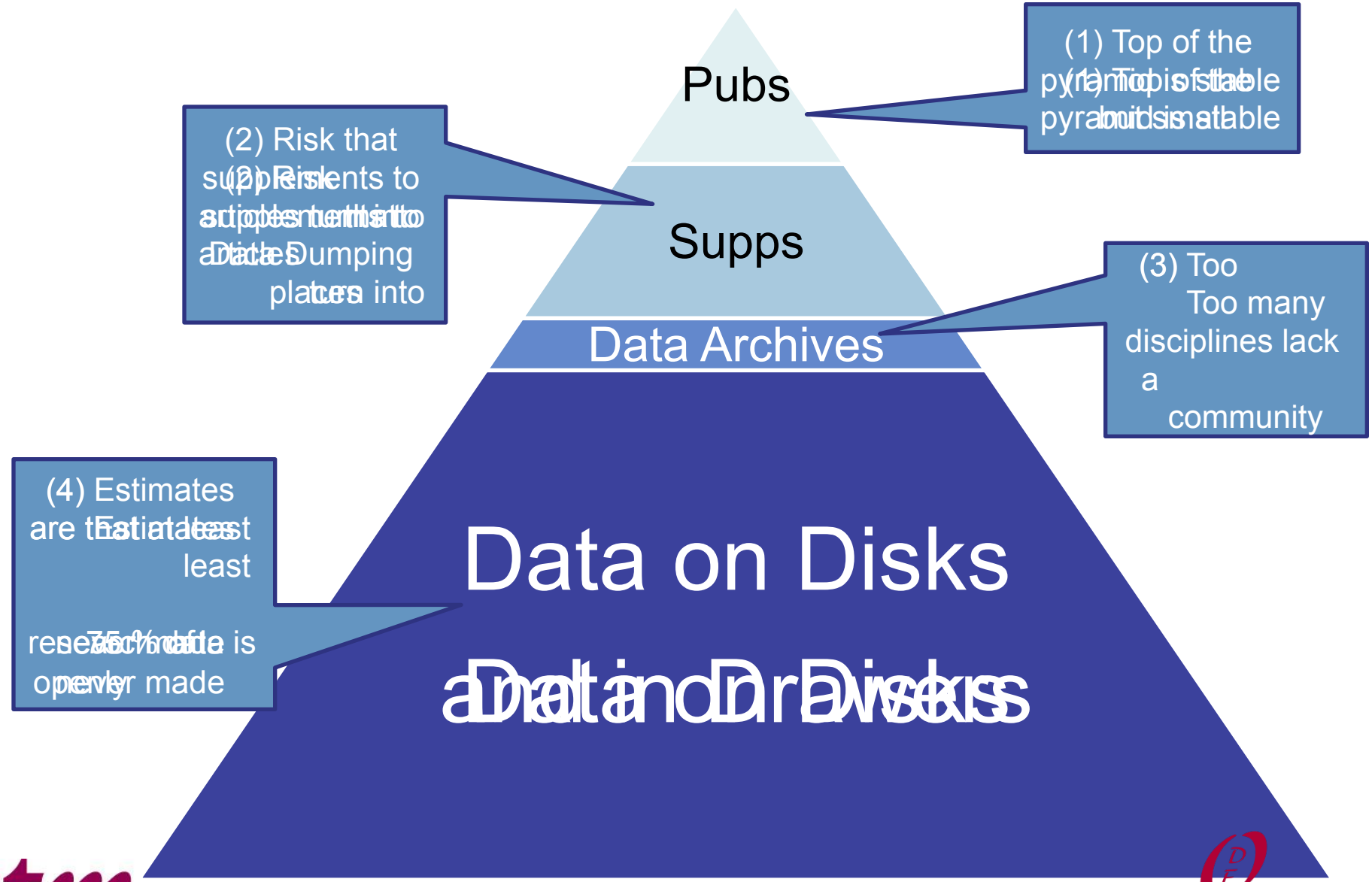
Opportunities for Data Exchange

The Pyramid's likely short term reality:



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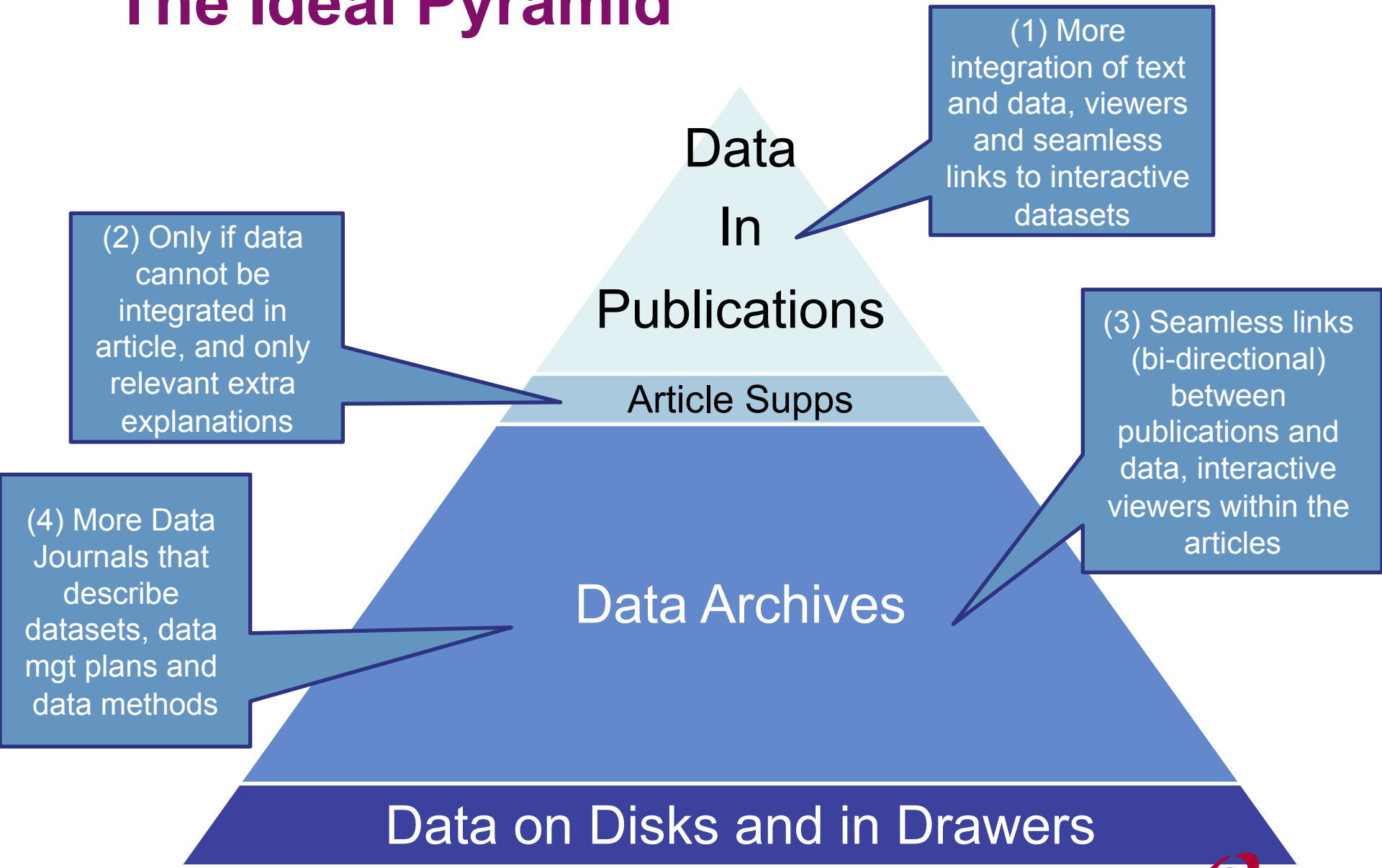
Opportunities for Data Exchange

The Ideal Pyramid



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Opportunities for Data Exchange

How can publishers help to make things better*

Opportunities for Data Exchange

- Stricter editorial policies on the availability of underlying data
- Recommend reliable and trustworthy Data Archives to authors
- Enhance articles for better integration of underlying data
- Endorse guidelines for proper citation of data
- Launch and sponsor Data Journals
- Ensure persistent identifiers and bi-directional linking
- Partner with reliable Data Archives for further integration of Data and Publications,including interactivity for re-use.

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* See http://www.alliancepermanentaccess.org/wp-content/uploads/downloads/2011/11/ODE-ReportOnIntegrationOfDataAndPublications-1_1.pdf

2012: STM and DataCite Joint Statement

1. To improve the availability and findability of research data, Datacite and STM encourage authors of research papers to **deposit researcher validated data in trustworthy and reliable Data Archives**.

2. Datacite and STM encourage Data Archives to **enable bi-directional linking between datasets and publications** by using established and community endorsed unique persistent identifiers such as database accession codes and DOI's.

3. DataCite and STM encourage publishers and data archives to make visible or increase **visibility of these links** from publications to datasets and vice versa

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Other initiatives in summary

- **NISO/ NFAIS**: recommendations on how to treat suppl info to journals. These distinguish different publisher roles for:
  - Integral content (in supps, sometimes elsewhere)
  - Additional content (in supps)
  - Related content (in data archives etc)

  see http://www.niso.org/apps/group_public/download.php/7964/RP-15-201x%20Suppl_BWG_draft_for_comments.pdf

- **Codata Data Citation**: White Paper expected to be ready in fall 2012, much will follow DCC recommendations:

  see http://www.dcc.ac.uk/resources/how-guides/cite-datasets

- **Chipper and Hamlett: 2 new prop**osals for EU funding: more clarity in next meeting (we hope).

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Questions ?

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