
S U R F


DARE
Digital Academic Repositories
Een SURF-programma

Towards the
Self-filling Repository

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OAI4, Geneva

20 September 2006

Santa Fé, New Mexico,
21-22 October 1999

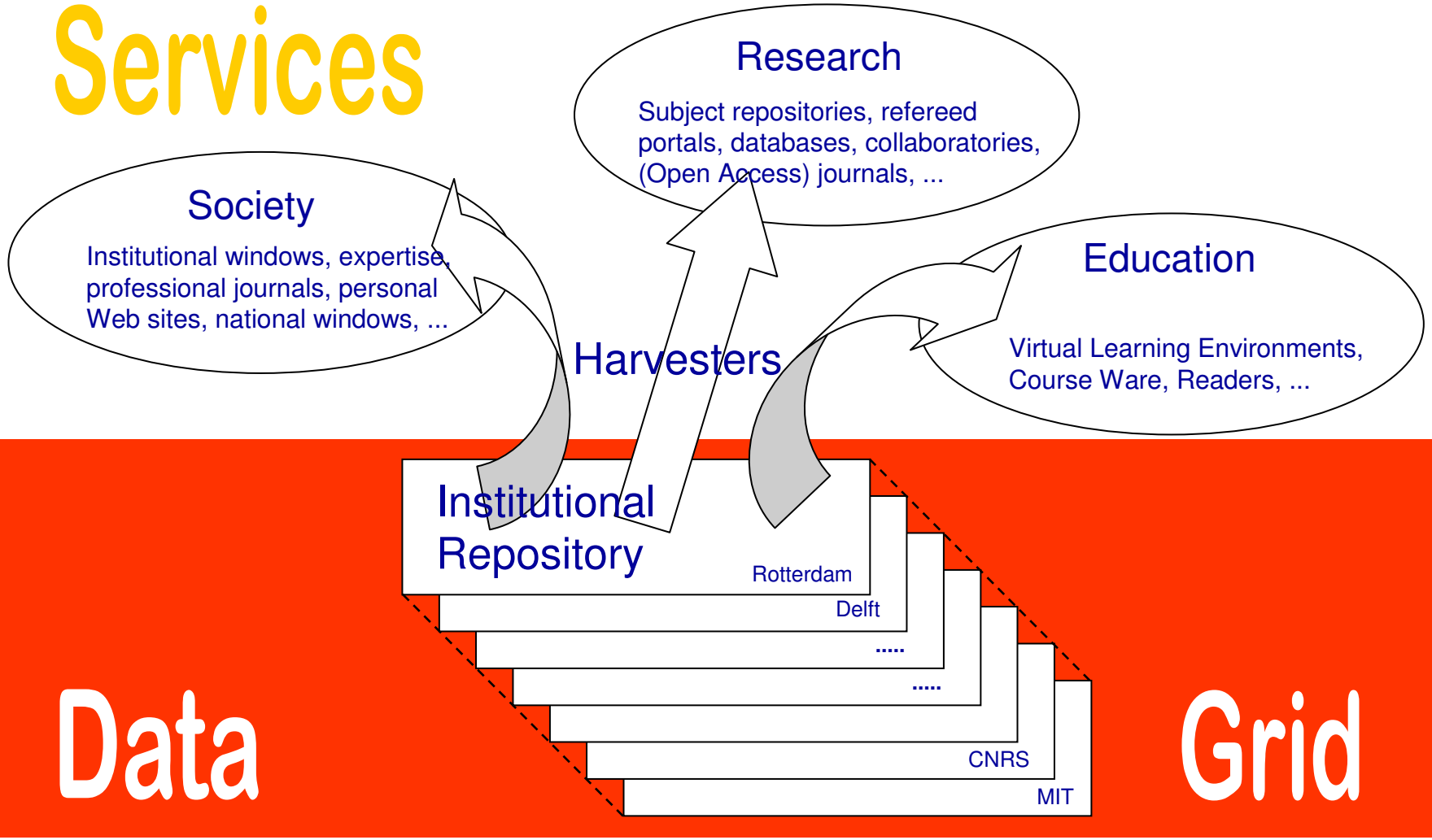
Open Archiving Initiative

14 June 2002, OAI-PMH v. 2.0

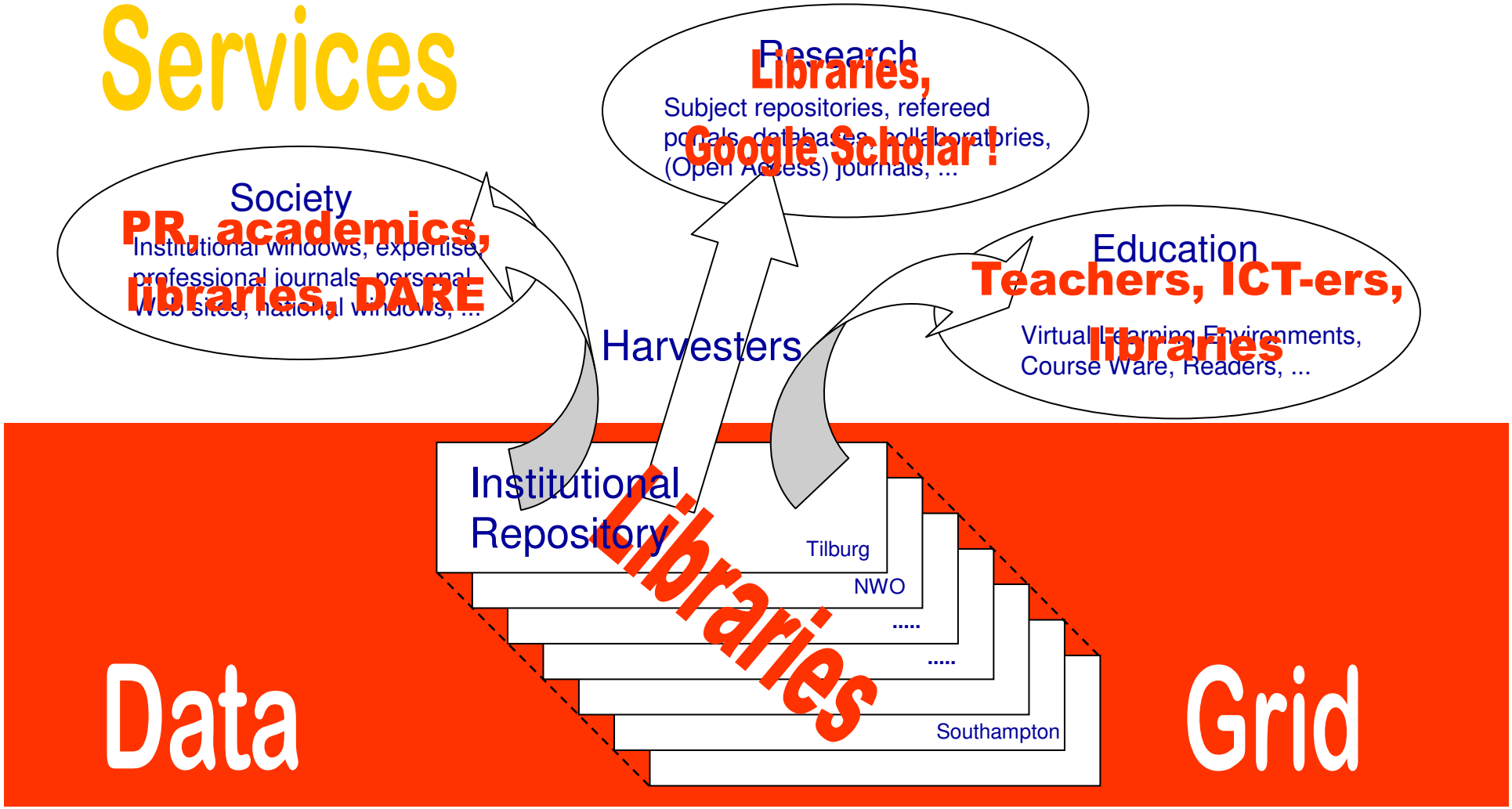
SURF DARE Programme

- Approved: 14 June 2002
- Name: DARE,
  Digital Academic Repositories
- Period: 1 Jan. 2003 – 31 Dec. 2006
- Budget: M€ 5.9
- Standards: OAI-PMH 2.0; Dublin Core
- Partners: All universities, KNAW, NWO and KB

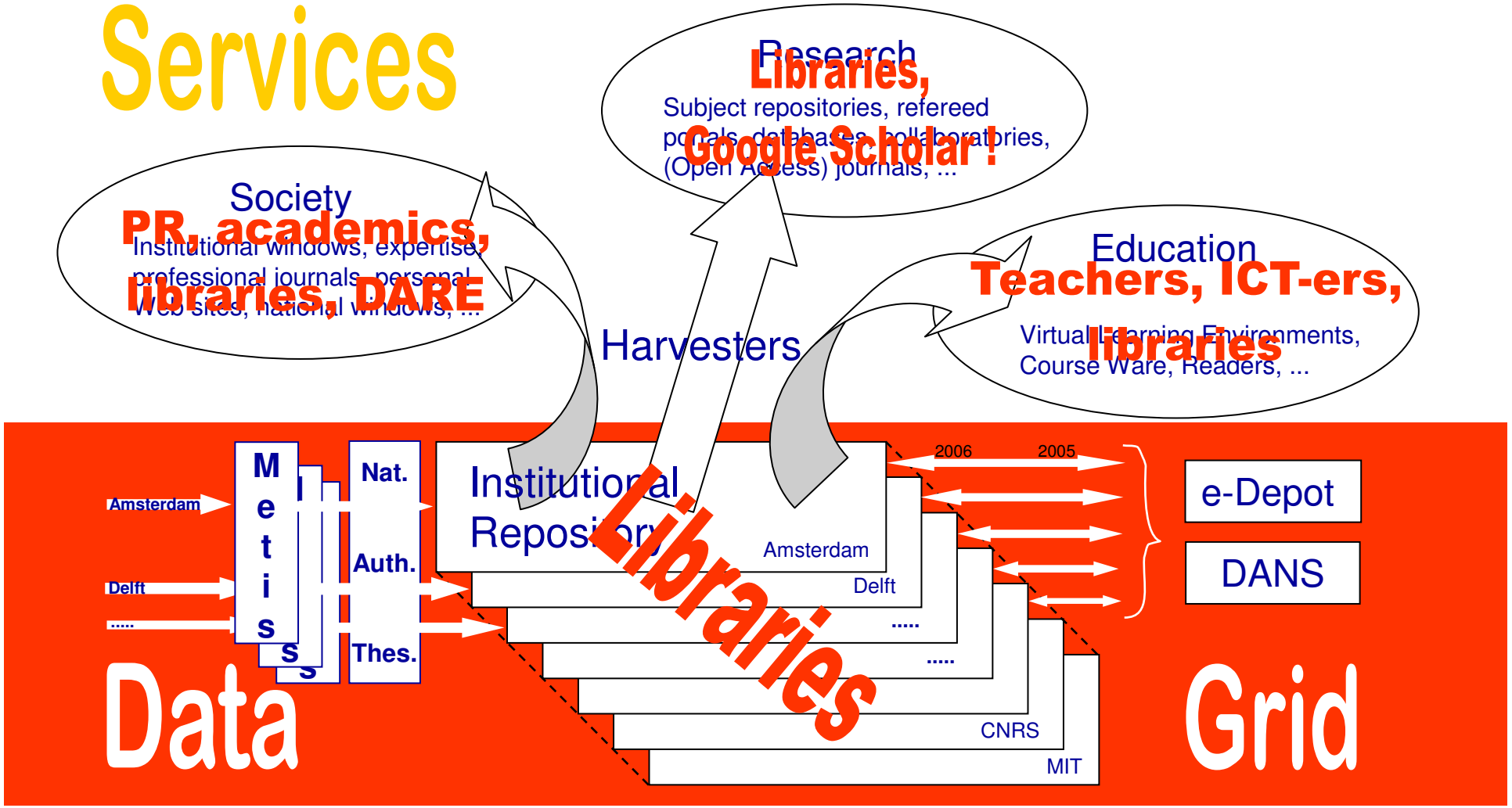
Services


Services
Research
Subject repositories, refereed portals, databases, collaboratories, (Open Access) journals, ...
Society
Institutional windows, expertise, professional journals, personal Web sites, national windows, ...
Education
Virtual Learning Environments, Course Ware, Readers, ...
Harvesters
Institutional Repository
Rotterdam
Delft
.....
.....
CNRS
MIT
Data
Grid

From Library to 'Libratory'



Embedding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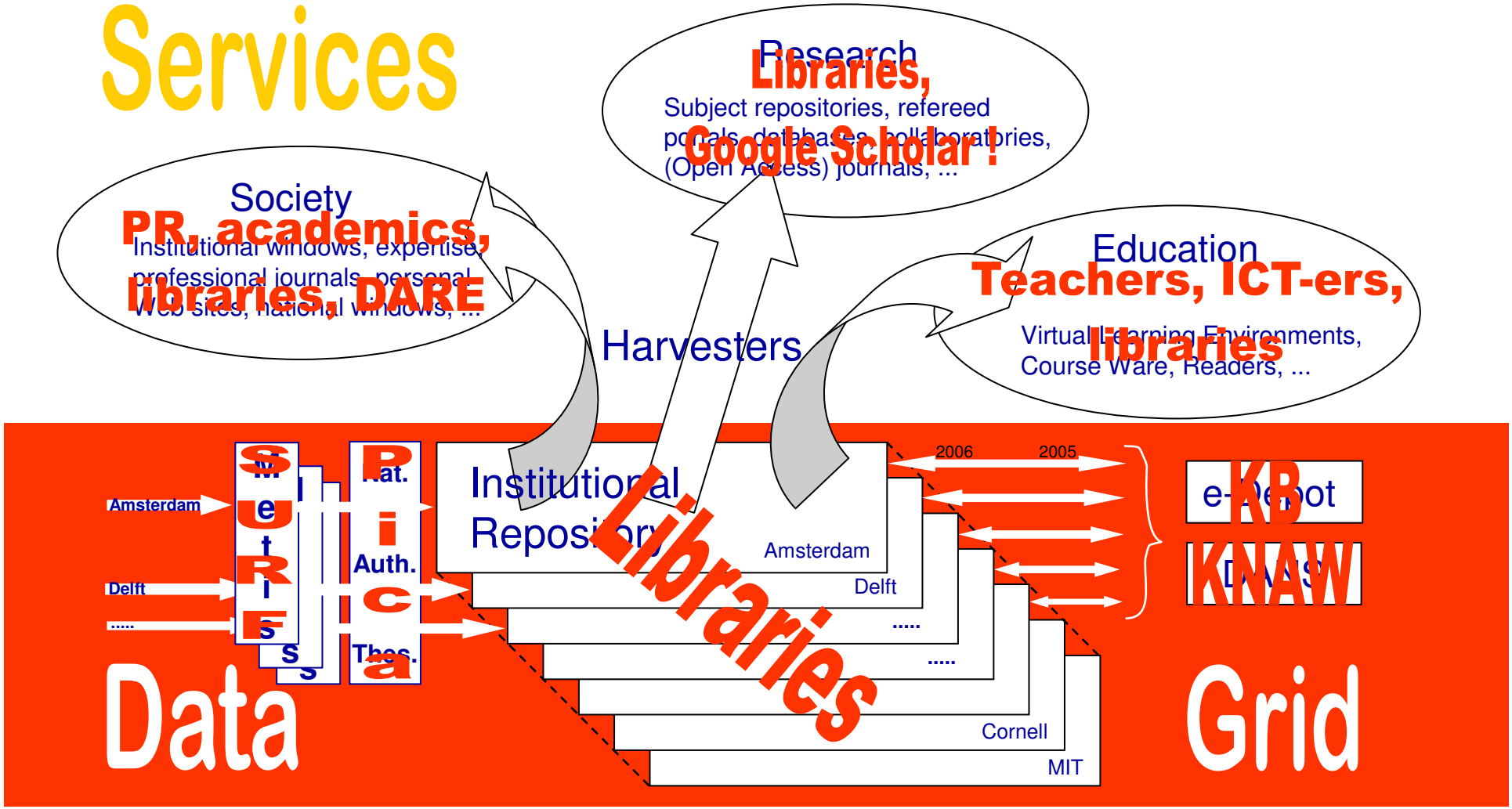
Embedding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OAIster: 536 OAI repositories; 5.9 M objects

DAREnet: per end 2003 15 repositories (all universities + KNAW +NWO), today 49.000 objects.

SURF

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Een SURF-programma

www.creamofscience.org

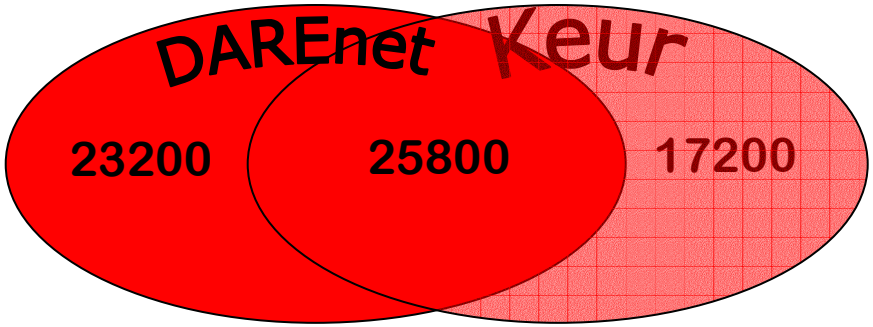
Some figures

- 15 Institutions
- 207 authors (187 male, 20 female)
- 40479 records = 195/author (from 3 to 1224)
- 23853 full text = 58.7% (from 19% to 96% per institute)
- 25% copyright obstructed, 15% only metadata available at the moment, 2% lost

Some lessons

- Authors' enthusiasm (not interested in drafts versions, only in the real thing)
- New technology (sets/filters, resource harvesting, new metadata, standard jump off page)
- Limited co-operation of publishers
- Copyright problems not too bad
- The Netherlands are in the forefront

Keur is overlapping DAREnet

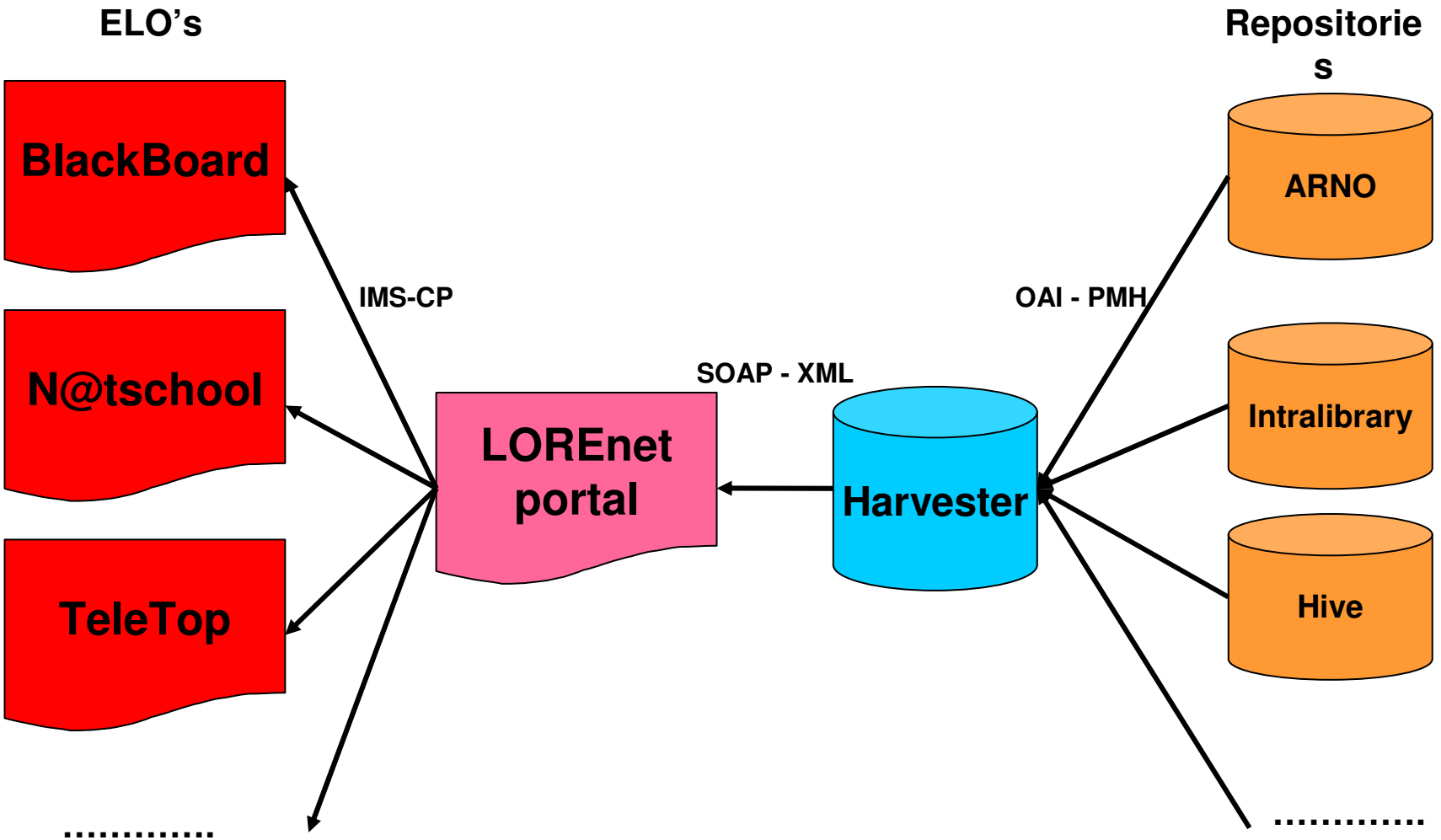


DAREnet = Σ open sets in 15 IR's
Keur = Σ 207 individual oeuvres

Under way

- HunDAREd thousand
- Promise of Science (incl DIDL)
- Copyright (with JISC)
- Subject based (refereed) portals (filters needed!)
- Datasets (=> e-science)
- Newsfeeds, Annotations, Student theses, Expertise
- Personal and Institutional web sites,…
- LOREnet (incl. compound objects)

LOREnet


ELO's
Repositories
BlackBoard
N@tschool
TeleTop
.....
IMS-CP
SOAP - XML
OAI - PMH
LOREnet portal
Harvester
ARNO
Intralibrary
Hive
.....

DARE search engine

Spring 2005: Transfer to SURF Search Engine

- based on FAST
- OAI-PMH compliant harvester added
- DARE web application added
- Full text indexing planned
- Drill down on type, author or subject planned

Needed

Search tool for service providers

Google Scholar, Yahoo, Scirus dominate the consumer market. Needed is a professional search tool that enables service providers to cater.

Suppose

- resource harvesting,
- jump of page/XML container/DIDL,
- sets and filters

are all solved.

What's next?

Modules

Intelligent content spider

Input: digital resources residing on distributed heterogeneous platforms (servers, websites, pc's)

Output: initially a great recall of resources and locations, gradually increasing precision through self learning

(=> efficiency)

Modules

Metadata generator

Input: a digital resource with a unique identifier

Output: generated metadata, DIDL compliant, in various formats (DC, Marc 21, METS, LOM)

potentially combinable with classifier

(=> efficency)

Modules

Classifier

Input: a digital resource with a unique identifier

Output: classification metadata relevant for resource with selectable classification schema.

(=> subject repositories)

Modules

Packager

Input: separate records referring to parts (chapters, modules, subsets) of an object

Output: packaged records, e.g. as IMS-CP or DIDL package

(=> elo's)

Modules

Citation analyzer / authority measure

Input: the content of one or more (disciplinary) repositories

Output: the citation indexes or usage indexes of the publications in these repositories

(=> prestige)

Modules

Associative searching

Input: the content of one or more (disciplinary) repositories

Output: a (graphical) presentation of associative relations between the objects

(=> public exposure)

Promises to authors

- Individual visibility (personal and institutional web site, Google Scholar etc.)
- Registration (one off and easy)
- Speed (a reliable draft version)
- Preservation

The only thing we cannot guarantee is publication in a prestigious journal

Needed

A simple alternative for the forbidding current copyright statement of the classical subscription publishers.

This is the only thing authors want re. copyrights (=> SURF-JISC survey)

Promises to managers

- Institutional visibility
- Knowledge housekeeping
- Cheaper circulation of knowledge

Needed

The manager's attention

All you need is DARE!

www.surf.nl/dare