Time for 'Italian DARE' ?

SURF DARE Programme

Mission: Better access to the results of publicly funded research

Attitude: Andiamo!

Santa Fé, New Mexico,
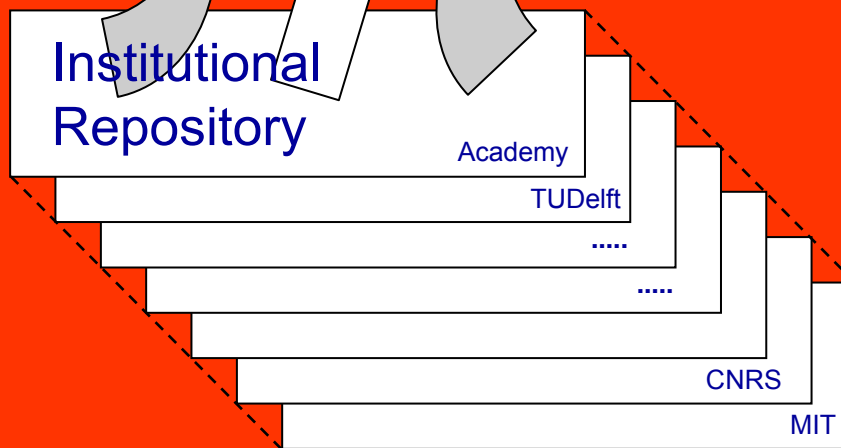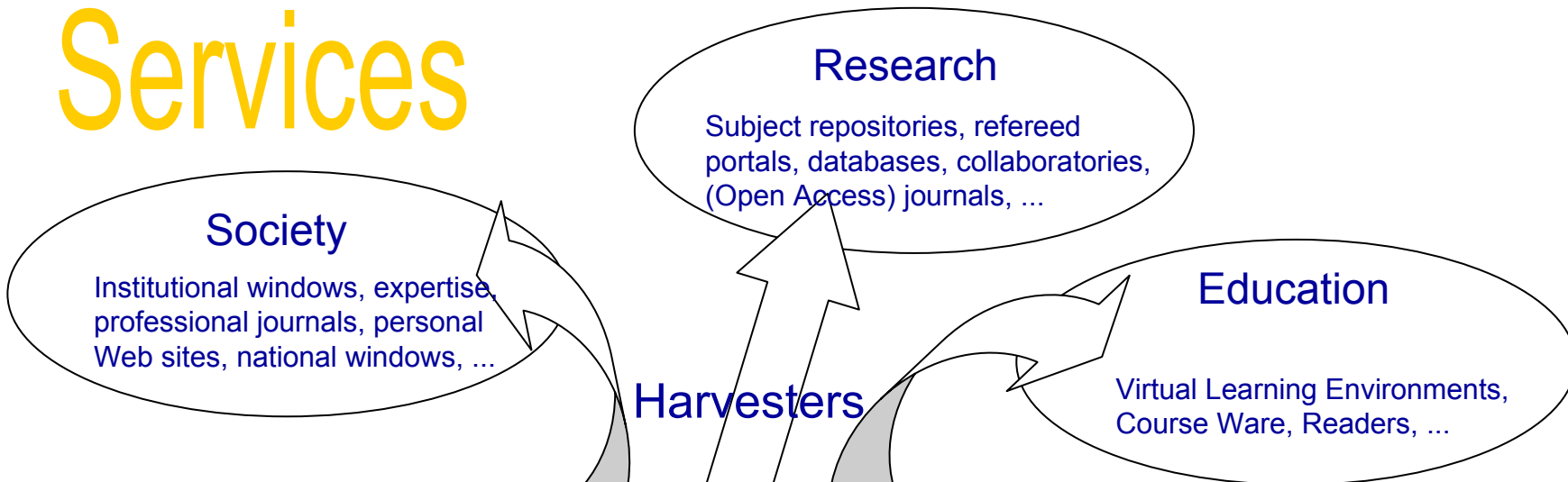21-22 October 1999

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

Concept

SURF

DARE
Digital Academic Repositories
Een SURF-programma

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

Academy

TUDelft

.....

.....

CNRS

MIT

Content

Grid

27 January 2004
DAREnet
Nationwide (13 universities, KNAW, NWO)
Initially 17.000 publications (Today 61.000)
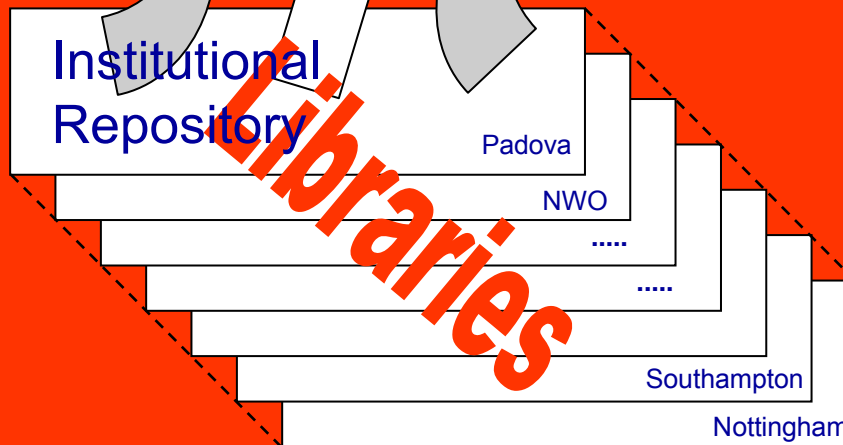
(OAIster: 577 OAI repositories)

Content

Institutional Repository

Libraries

CNR-ISTI

Amsterdam

.....

.....

CERN

ArXiv

Grid

Services

Research
Subject repositories, refereed portals, databases, collaboratories, (Open Access) journals, ...

Libraries, Google Scholar !

Society
Institutional windows, expertise, professional journals, personal Web sites, national windows, ...

PR, academics, libraries, DARE

Education
Virtual Learning Environments, Course Ware, Readers, ...

Teachers, ICT-ers, libraries

Harvesters

Content

Metis
Nat.
Auth.
Thes.

Amsterdam
Delft
.....

Institutional Repository

Libraries
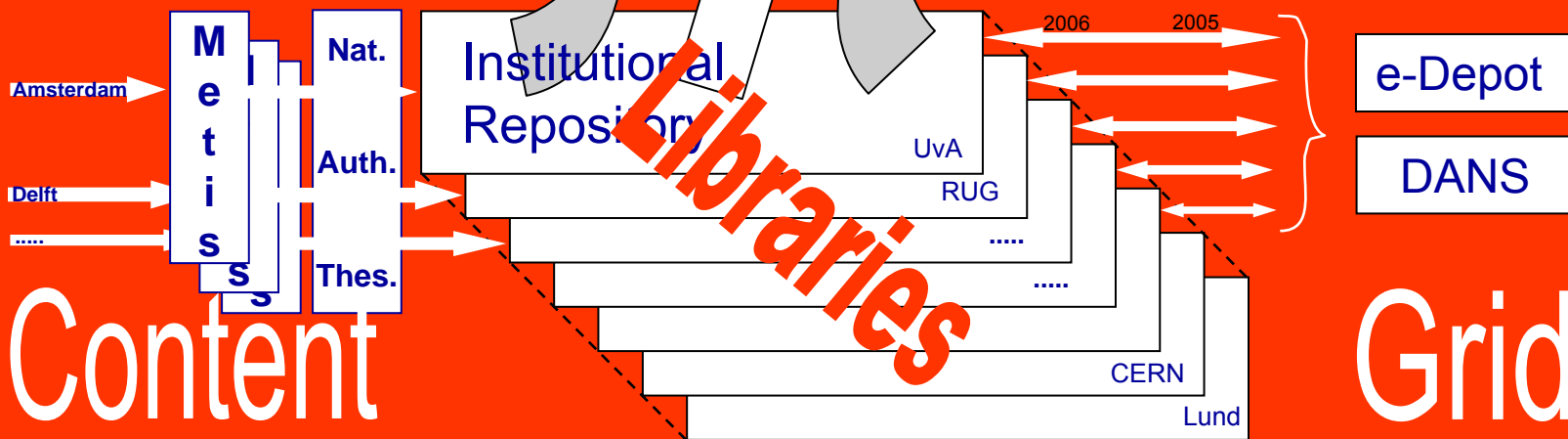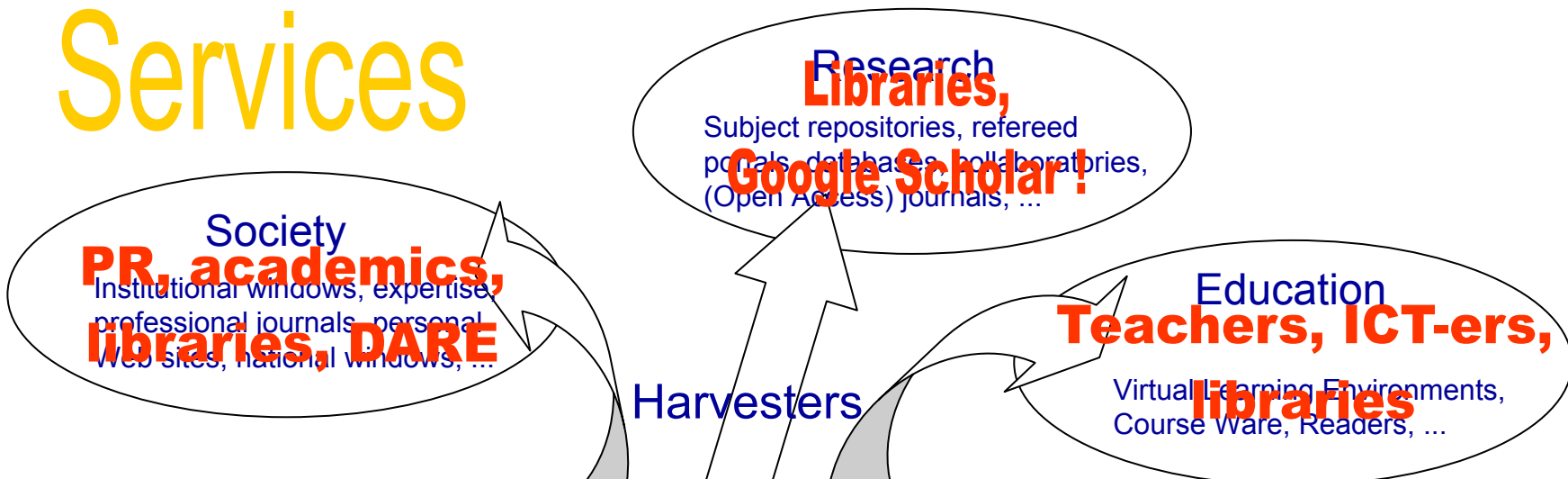
UvA
RUG
.....
.....
CERN
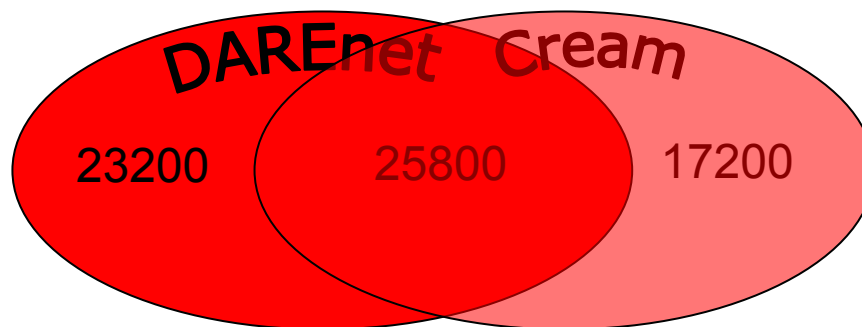Lund

2006   2005

e-Depot

DANS

Grid

10 May 2005

www.creamofscience.org

Complete oeuvre of +10 top
scientists per DARE participant

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

Cream is overlapping DAREnet

DAREnet   Cream

23200   25800   17200

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

3-rd milestone

LOREnet

Learning environments

Repositories

BlackBoard

N@tschool

TeleTop

LOREnet portal

Common Facilities

ARNO

Intralibrary

Hive

IMS-CP

OAI - PMH

SOAP - XML

HTML

…………………….
OIA-PMH compatible

…………………..
IMP-CP compatible

Under way
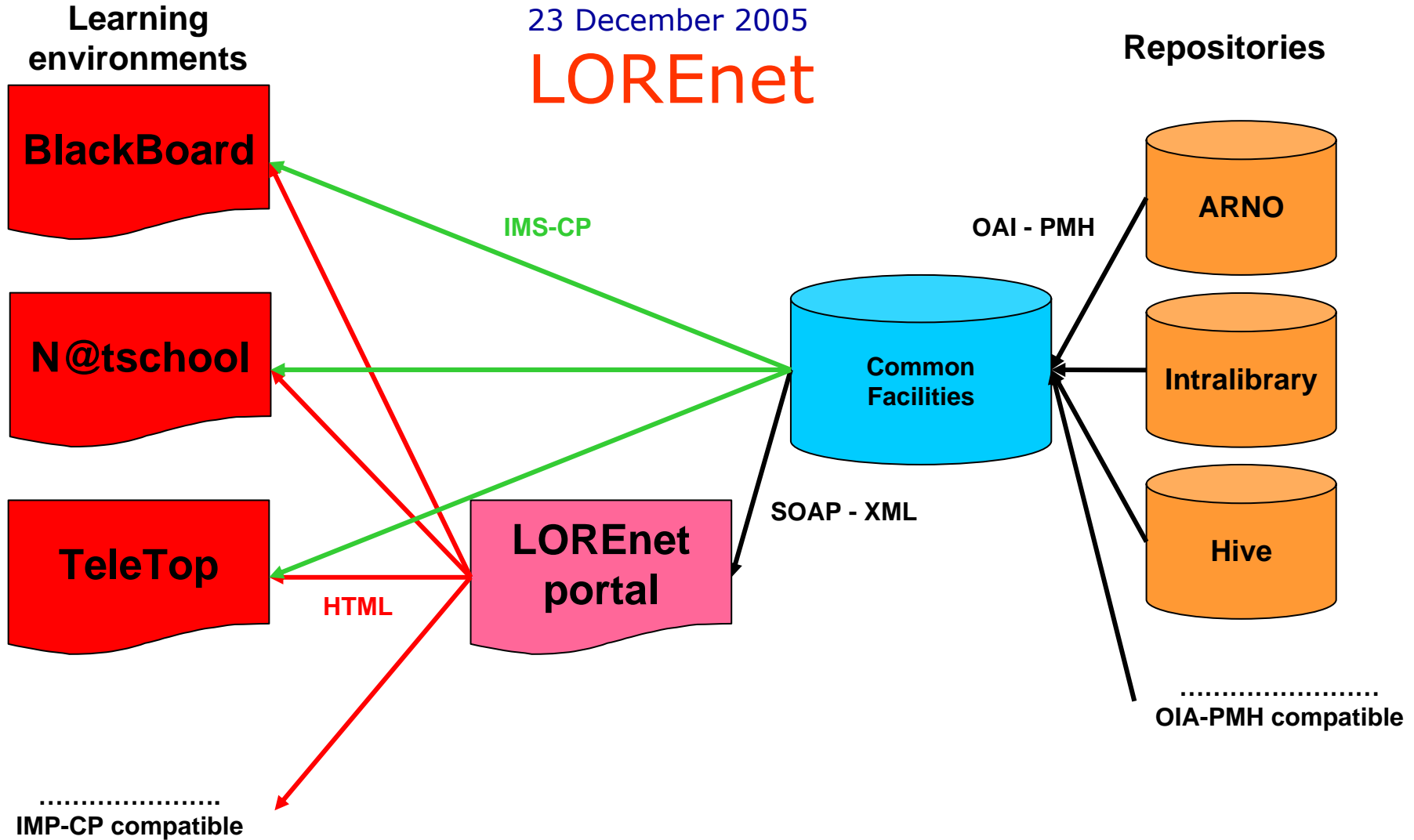
- HunDAREd thousand (100.000 new publications)

- Promise of Science (10.000 doctoral theses)

- Copyright tool kit (with JISC)

- Subject based (refereed) portals (quality selection!)

- Datasets (> e-science, collaboratories)

- RSS feeds, annotations, student theses, expertise,...

- Personal and Institutional web sites,...

- Metadata complex objects (DIDL)

- LOREnet II

European dimension

Operational: DARE to go Europe

(DAREnet is very scalable: DRIVER) > Donatella

Political:

European Charter on open access to publicly funded knowledge

stating the principle and defining the responsibility of universities and research institutes (complementing the charters of Bologna and Lisbon on higher education)

Critical success factors

- ## SURF type of organisation:

  common mission and milestones, knowledge exchange, standards

- ## Professional cooperation:

  university libraries, national library, Academy, PICA, SURF

- ## Open standards:

  internet, web, XML, OAI PMH, DC ++, (IEEE LOM, DIDL, SOA)

- ## 2 layer approach: content grid – services

  public content infrastructure + demand driven sustainable services

Research-publishing-funding cycle

Publication cycle	>>>	Research	Composition of publication	Registration	Quality control	Long term curation	Dissemination	Relevance assessment	Funding >>>
Actors	>>>	Researchers		University Library	Publisher, Open review service	Trusted third party	Access service	Funding agency >>	
Facilities	>>>	Scholarly workbench		Repository systems	Review facilities	Long term preservation	Search and retrieval	Citations & usage analysis	Money >
Infrastructure	Information infrastructure based on service oriented architecture standards								
	Technical infrastructure								

Publication cycle	>>>	Research	Composition of publication	Registration	Quality control	Long term curation	Dissemination	Relevance assessment	Funding >>>
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DARE 2003>06				+		+ (text)	+		
DARE 2007>10		+		+		+ (data)		+	