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# OpenAIRE

## Open Access Pilot der EU

2<sup>nd</sup> Generation of Open Access Infrastructure for Research in Europe

The screenshot shows the OpenAIRE website homepage. At the top left is the OpenAIRE logo. The navigation bar includes links for PARTICIPATE, SEARCH, STATISTICS, SUPPORT, and OPEN ACCESS. The main banner features the text "Science. Set free." and "8,094,461 publications and 611 datasets from 461 repositories and OA journals". Below the banner is a search bar with a dropdown menu for "Repositories" and a "More search options" link. The page is divided into four main sections: "Researchers" (Deposit publications & data, Link research to funder/project, Download author's guide for OA), "Data Providers" (Register & validate content, Get guidelines for interoperability, Enrich repository content), "Research Managers" (Learn about EC & national policies, Create project reports, Get statistical information), and "Funding Agencies" (Learn how to embrace OA, Participate in OpenAIRE, Find aggregated statistics). At the bottom, there are sections for "Latest News" and "Mark your calendar" with a calendar view showing events for Feb 20, Feb 24, and Mar 26.



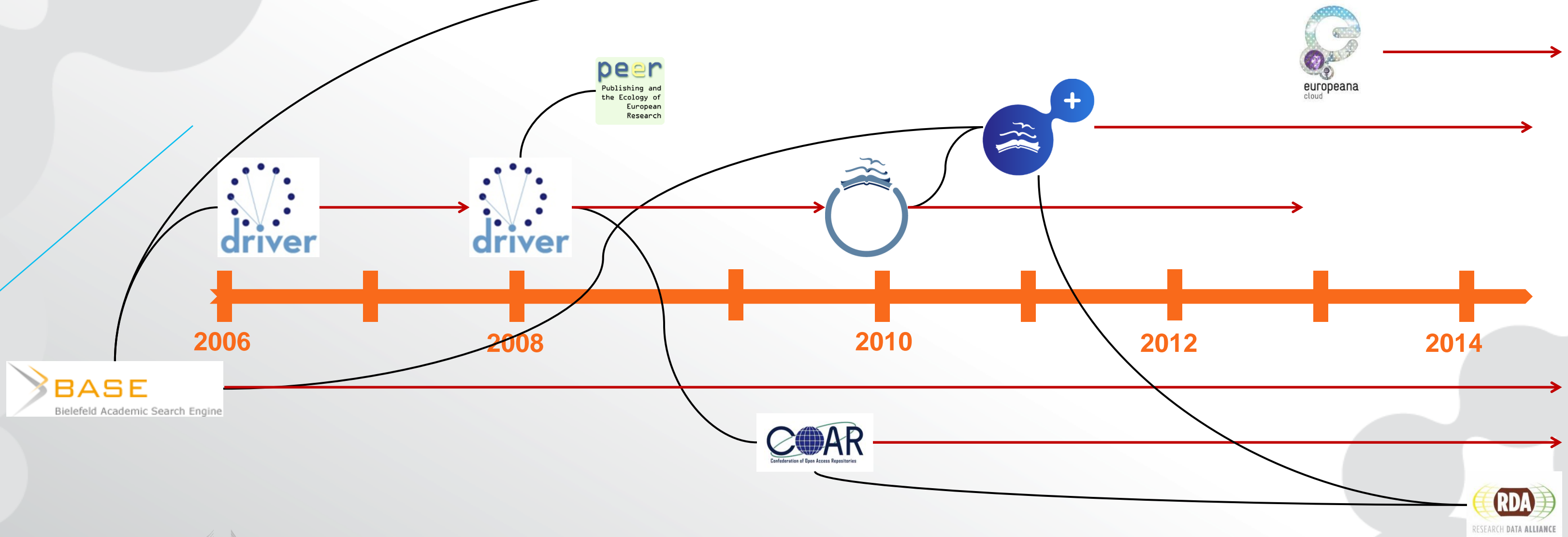
# e-Infrastructure

- **“e=Elektronische” Infrastruktur (realisiert z.B. als GÉANT) meint**
  - **Neuartige Forschungsumgebungen für Wissenschaftler**
  - **Kombination und Verzahnung von**
    - **Hardware/Software, Ressourcen (Daten, Dienste, digitale Bibliotheken), Kommunikation**
  - **Gemeinsame Nutzung bzw. Zugriff auf (digitale) Forschungswerkzeuge und Informationsressourcen und Kommunikationstechnologien, z.B.**
    - **Internet Breitbandkanäle, Rechenkapazitäten, Datenspeicher**
  - **Dadurch internationale kollaborative (interdisziplinäre ?) Forschung**
  - **Fokus auf ICT basierter Forschungsinfrastruktur;**
    - **(aber auch z.B. Infrastrukturen zur Pflege / Bewahrung des Kulturerbes)**



# Zeitleiste über ausgewählte Infrastrukturprojekte & Initiativen

Unter Beteiligung der UB Bielefeld



# Einordnung

Europäische Forschungsförderung

- **7. Forschungsrahmenprogramm der Europäischen Union**

- Laufzeit 2007-2013
- Grundlagen- und angewandte Forschung, themenzentriert

- **Europäischer Forschungsrat**

- Pionierforschung im FP7 Programm "Ideas"
- Erschliessung neuer Wissensgebiete



# Open Access Pilot in FP7 (seit 2008)

## Zielsetzung

- **Verbesserung des “Return on Investment” von Forschung und Entwicklung gegenüber der EU-Bevölkerung**
- **OA-Pilot spezifisch für 7 Themengebiete in FP7-Projekten (SC39)**
  - **Selbstarchivierung von peer-review Publikationen in ein Repository**
  - **Max. 6 bzw. 12 Monate Embargofristen -> Entgegenkommen gegenüber wissenschaftlicher Verlage**
- **Unterstützung und Monitoring durch OpenAIRE**
- **Fortführung und Erweiterung des OA-Piloten in H2020**



# Open Access Guidelines des ERC

## Richtlinien

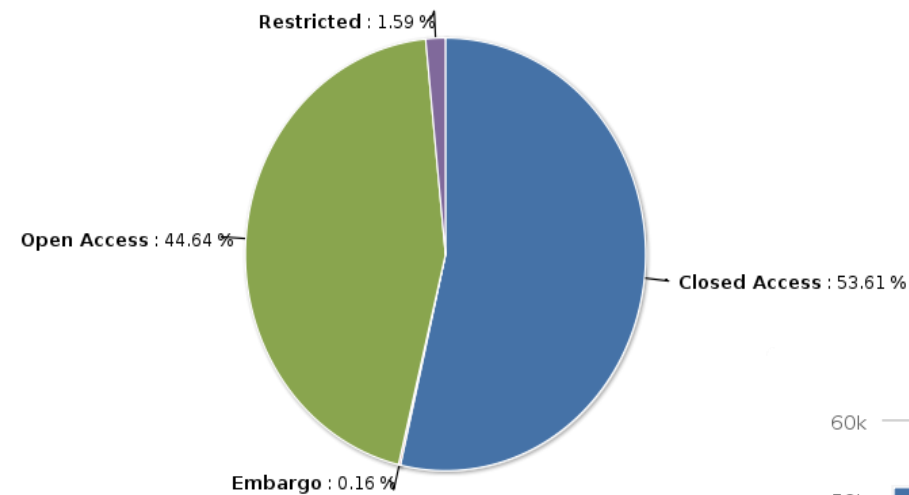
- **Forschungspublikation als elektron. Kopie ins Repository (max. 6 Monate Embargo nach offizieller Publikation, max. 12 für SSH)**
- **Möglichst thematisches Repository (alt. institutionell, zentral)**
- **Abrechnung OA-Gebühren über Projektbudget während Laufzeit**
- **Erstrebt: institutionelle Übernahme von OA-Gebühren bis 24 Mon. nach Projektende**
- **[http://erc.europa.eu/sites/default/files/document/file/ERC\\_Open\\_Access\\_Guidelines-revised\\_2013.pdf](http://erc.europa.eu/sites/default/files/document/file/ERC_Open_Access_Guidelines-revised_2013.pdf)**

# Statistische Ergebnisse in FP7

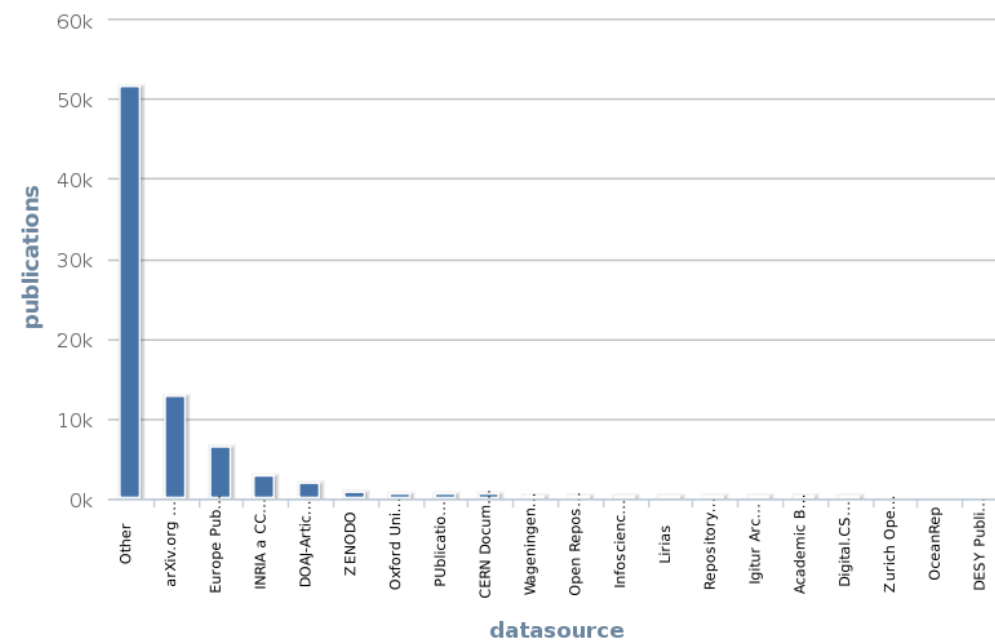
Über Publikationen nach Angaben im OpenAIRE Portal (Februar 2014)

- **66.111 Publikationen auf 7.469 Projekte (total 22.354 Projekte)**

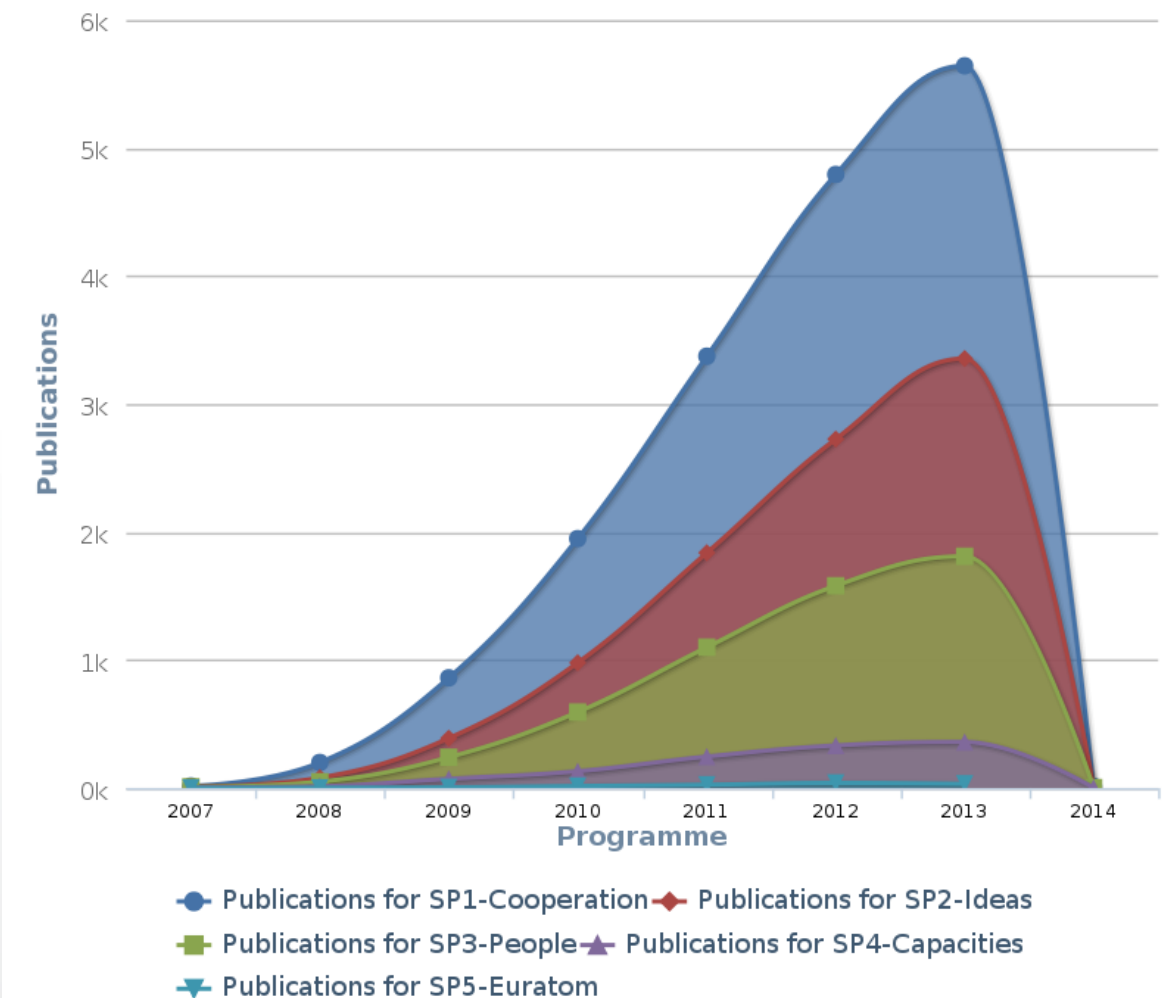
FP7 publications breakdown by access mode



FP7 Publications by datasource (top 20)



FP7 publications per programme





# OpenAIREplus

In a Nutshell

- **Europäische partizipative, wissenschaftliche Dateninfrastruktur**
  - **FP7-Projekt (11/2011-05/2014\*)** aufbauend auf DRIVER und OpenAIRE
    - 41 Partner, 4.2 Mio € Fördervolumen
  - **Vom FP7 OA Pilot zum OA Service**
  - **Kollaboration mit disziplinspezifischen Partnern**
    - EMBL-EBI, DANS, BADC
  - **~8.1 Mio bibliographische Metadaten aus 441 Datenquellen**
  - **Nachweis wissenschaftl. Ergebnisse aus Repositorien**
    - Als Open Access bzw. mit Bezug geförderter Projekte
    - für Publikationen und Daten, im Kontext mit wissenschaftl. Information



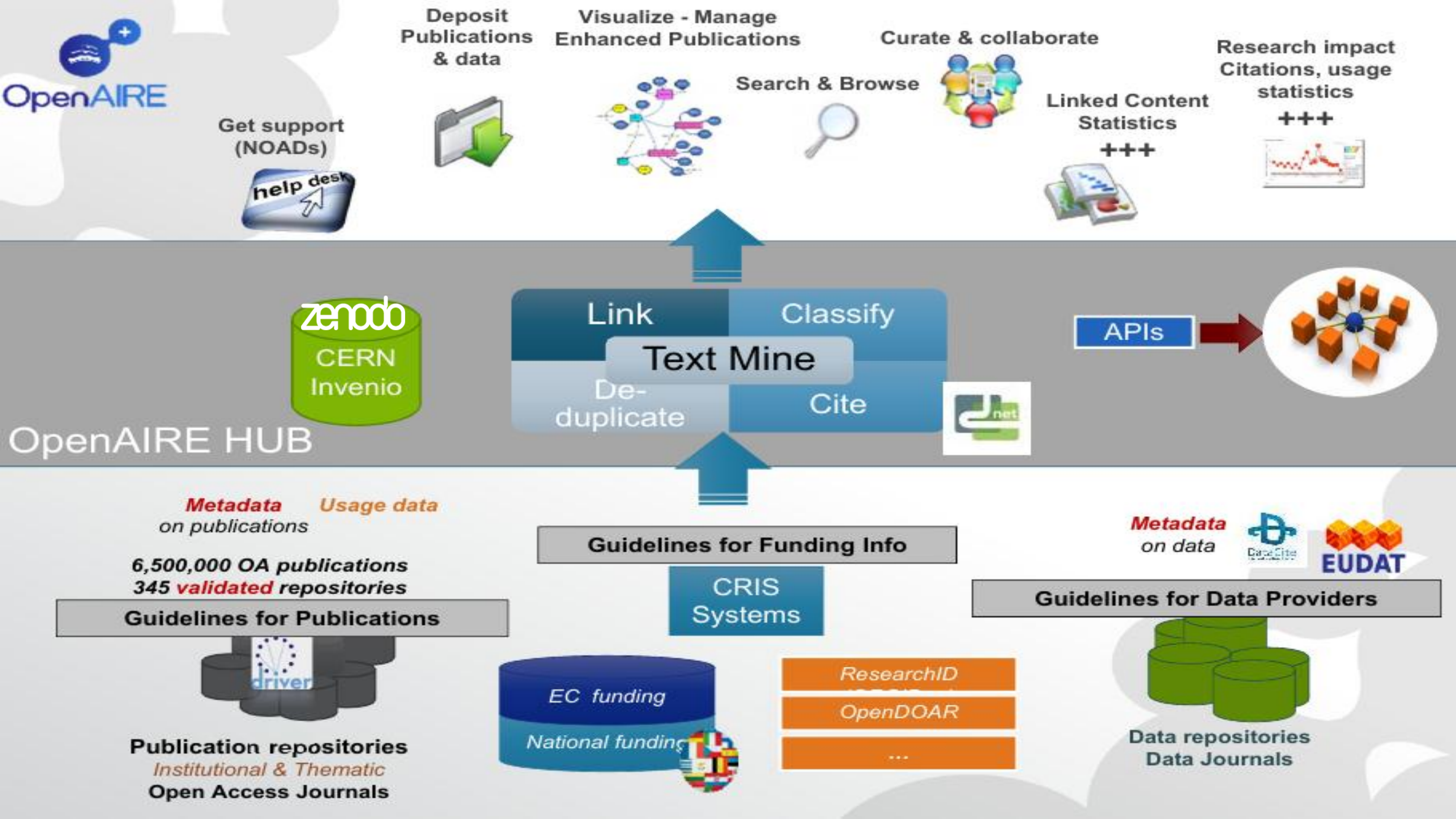


# Zielsetzungen

- **Monitoring und Statistiken für Förderorganisationen und Forschungsinitiativen**
  - OA-ratio publications per project, datasource; usage; research trends
- **Eprobung Verlinkung von Publikationen und Daten**
  - In Bezug auf ausgewählte Disziplinen und Dateninfrastrukturen
- **Ausweitung auf weitere Fördereinrichtungen, z.B. WellcomeTrust**
- **Benutzer-Feedback und Interaktion (“Enhanced Publication”, Annotation)**

# Umsetzung

- **Open Access Netzwerk**
  - 27 Nationale Open Access Kontaktstellen in der EU (NOAD)
  - Helpdesk und OA-Informationsangebot für
    - Projektkoordinatoren, Wissenschaftler, Förderer, Datenprovider
- **Technische Infrastruktur**
  - Informationsraum für Metadaten zu Publikationen, Daten, Personen, Projekte, Organisationen
  - **Interoperabilität mit Datenquellen:**
    - Repositories für Publikationen und Daten; Forschungsinformationssysteme
    - Registries & Authority Files, z.B. CORDA, OpenDOAR, re3data, DataCite



# Guidelines für Datenprovider

Guidelines	Open Access	EC funded content	National / other funded content	Open access publication related research data sets	EC funded related research data sets	National or other funded related research data sets
DRIVER Guidelines	X					
OpenAIRE 1.0 and 2.0		X				
OpenAIRE literature 3.0	X	X	X	X		
OpenAIRE data 1.0					X	X

# Informations- und Erfahrungsaustausch



- **1<sup>st</sup> Workshop “Linking OA Publications to Data – Policy Development and Implementation”, Jun-11-2012, Copenhagen**
- **2<sup>nd</sup> Workshop “OpenAIRE Interoperability Workshop”, Feb-08-2013, Minho**
- **3<sup>rd</sup> OpenAIRE / LIBER Workshop “Dealing with Data – what’s the role for the library?”, May-28-2013, Gent**
- **4<sup>th</sup> Workshop “Legal and Sustainability Issues for OA Infrastructures”, Nov-05-2013, Vilnius**



# Studien & Piloten



- **Meier zu Verl, C., Horstmann, W. eds: Studies on Subject-Specific Requirements for Open Access Infrastructure. UB Bielefeld (2011)**
- **Guibault, L., Wiebe, A. eds: Safe to be open – Study on the protection of research data and recommendations for access and usage. Universitätsverlag Göttingen (2013)**
- **Study on sustainability and business models for (Open Access) infrastructures. (in preparation)**

# Disziplin-spezifische Piloten für “Enhanced Publications” I

Am Beispiel Lebenswissenschaften

No Need for a Cognitive Map: Decentralized Memory for Insect Navigation  
Holk Cruse<sup>UNIBI</sup> and Rüdiger Wehner

MeSH Text-mined terms FP7 References 3 Citations Full text available

## Identifiers

- PMID:21445233
- University of Bielefeld (1886087)
- DOI: 10.1371/journal.pcbi.1002009
- PMCID:PMC3060166

The following biological entities have been automatically c

- Gene Ontology Terms
  - Memory
  - lateral inhibition
  - behaviour
  - learning
  - localization
  - long term memories
  - short term memory
  - habituation
  - development
  - vision
  - locomotion
  - Cognition
  - visual learning
- Organisms
  - animals
  - desert ants

Search In: Protein Knowledgebase (UniProtKB) Query: organism:299895

10 results for organism:"Cataglyphis bicolor (desert ant) [299895]" in UniProtKB sorted by score descending

Download

Page 1 of 1

Results Customize

Expand search to "Cataglyphis bicolor (desert ant) [299895]" to include lower taxonomic ranks

Entry	Entry name	Status	Protein names	Gene names	Organism	Length
<input type="checkbox"/> Q2YGT5	Q2YGT5_9HYME	★	Cytochrome c oxidase subunit 1	COI CO1	Cataglyphis bicolor (desert ant)	255
<input type="checkbox"/> G5DCQ8	G5DCQ8_9HYME	★	Cytochrome c oxidase subunit 1		Cataglyphis bicolor (desert ant)	250
<input type="checkbox"/> G5DCU1	G5DCU1_9HYME	★	Cytochrome c oxidase subunit 1		Cataglyphis bicolor (desert ant)	250
<input type="checkbox"/> G5DCU3	G5DCU3_9HYME	★	Cytochrome c oxidase subunit 1		Cataglyphis bicolor (desert ant)	250
<input type="checkbox"/> A1YW69	A1YW69_9HYME	★	Cytochrome c oxidase subunit 1	CO1	Cataglyphis bicolor (desert ant)	255
<input type="checkbox"/> Q2YGS8	Q2YGS8_9HYME	★	Cytochrome c oxidase subunit 2	COII	Cataglyphis bicolor (desert ant)	167
<input type="checkbox"/> Q2VWK6	Q2VWK6_9HYME	★	Cytochrome c oxidase subunit 2	COII	Cataglyphis bicolor (desert ant)	167
<input type="checkbox"/> A1YW68	A1YW68_9HYME	★	Cytochrome c oxidase subunit 1	CO1	Cataglyphis bicolor (desert ant)	255
<input type="checkbox"/> A1YW80	A1YW80_9HYME	★	Cytochrome c oxidase subunit 1	CO1	Cataglyphis bicolor (desert ant)	255
<input type="checkbox"/> Q2VWK7	Q2VWK7_9HYME	★	Cytochrome c oxidase subunit 2	COII	Cataglyphis bicolor (desert ant)	167



# Disziplin-spezifische Piloten für "Enhanced Publications"

## Am Beispiel Sozial- und Geisteswissenschaften Social Sciences & Humanities Demonstration

### Research information

**PUBLICATION**  
WELFARE STATE EFFECTS ON SOCIAL CAPITAL AND INFORMAL... (2005) [Open access](#)

<b>Research</b>	Title	Welfare state effects on social capital and informal solidarity in the European Union: evidence from the 1999/2000 European Values Study	<b>Data</b>
<b>Input</b>	Published in	Policy and Politics: Studies of local government and its services, Vol. 33, No. 1, p.33-54. ISSN 03055736.	<b>Cites</b>
European Value Studies >	Date	2005	European Values Study 199... >
<b>Persons</b>	Type	article	EVS'99/2000 : Release I -... >
<b>Author</b>	Publication	> <a href="http://evs.uvt.nl/id/evs-uvt-nl:oai:evs.uvt.nl:3256420">http://evs.uvt.nl/id/evs-uvt-nl:oai:evs.uvt.nl:3256420</a>	<b>Publications</b>
Halman, Dr. L.C.J.M. >	Persistent Identifier	> urn:nbn:nl:ui:12-3256420	<b>Cites</b>
Halman, L.C.J.M. >	Metadata	> XML	Welfare States, Solidarit... >
Oorschot, W.J.H. van >			Three worlds of welfare c... >
Arts, W.A. >			Who should get what, and ... >
			Individual motives for co... >
<b>Organisations</b>			Wij en zij in Europa: De ... >
<b>Repository</b>			<b>Cited by</b>
Tilburg University >			Making the difference in ... >

**External Database Links**

**Concept: ethnocentrism**  
 Variable: V59: dont like as neighbours: muslims (Q7H)  
 Variable: V60: dont like as neighbours: immigrants/foreign workers (Q7I)  
 Variable: V64: dont like as neighbours: jews (Q7M)  
 Variable: V65: dont like as neighbours: gypsies (Q7N)

**Concept: informal social solidarity**  
 Variable: V272: are you concerned with: elderly people (Q80A)  
 Variable: V273: are you concerned with: unemployed people (Q80B)  
 Variable: V274: are you concerned with: immigrants (Q80C)  
 Variable: V275: are you concerned with: sick and disabled (Q80D)  
 Variable: V276: are you prepared to help: immediate family (Q81A)  
 Variable: V277: are you prepared to help: people neighbourhood (Q81B)

**Collections**  
No collections defined

**RESEARCH**  
EUROPEAN VALUES STUDIES

**Research**  
No research defined

**Persons**  
Project leader  
L.C.J.M. Halman >  
Researcher  
Prof.dr. W.A. Arts >  
Prof.dr. P.J.D. Drenth >  
Prof.dr. J.A.P. Hagenaars >

**Organisations**  
Collaboration  
Oldendorff Research Insti... >  
Secretariat  
Department of Organisatio... >  
Related  
Dept. of Organisation Stu... >  
Oldendorff Research Insti... >  
<http://www.narcis.nl/orga...> >

**Data**  
Related  
European Election Studies... >  
European Election Studies... >  
European Election Studies... >  
European Values Study - E... >  
European Values Study 199... >  
EVS'99/2000 : Release I -... >  
European and World Value... >  
European Values Study 199... >  
EVS'99/2000 : Release I -... >

**Publications**  
Output  
Welfare state effects on ... >  
European work orientation... >  
Blame or fate, individual... >

**Collections**  
No collections defined

**EDUCATION**

Title: European values studies  
 Period: 01 / 1978 - 01 / 2005  
 Status: Completed  
 Research number: OND1236147

**ABSTRACT**  
Study of cross-national differences and similarities in basic value orientations in the domains of religion and morality, society and politics, primary relations, sexuality, education, labour and leisure time. Originally in Western Europe only, but meanwhile undertaken in many more countries (USA, Canada, Eastern Europe, Russia). First survey in 1981, second survey in 1990, third is scheduled for 1999.

**ABSTRACT (NL)**  
Onderzoek naar cross-nationale verschillen en overeenkomsten in fundamentele waardenoriëntaties op de terreinen van religie en moraal, maatschappij en politiek, primaire relaties, seksualiteit, opvoeding, arbeid en vrije tijd. Oorspronkelijk alleen in West-Europa, maar inmiddels ondernomen in veel landen (VS, Canada, Oost Europa, Rusland). De eerste survey was in 1981, de tweede in 1990, de derde zal in 1999 plaatsvinden. Methoden en technieken: survey

**CLASSIFICATION**  
 A82200 Social integration and social structure  
 D42200 Social and public administration  
 D61000 Sociology

### Microdata

**gesis** Leibniz Institute for the Social Sciences

Navigation: Show all studies | Eurobarometer | EVS | ISSP | Studies Eastern Europe | Election Studies Germany | Politbarometer

**DESCRIPTION** | TABULATION | ANALYSIS

ZA3811: EVS 1999: Integrated Dataset  
[ZA3811 Datafiles and Documentation](#) (download via data catalogue)

**Variable v272: are you concerned with: elderly people (Q80A)**

**LITERAL QUESTION**  
 Q.80  
 <Show card 80>  
 To what extent do you feel concerned about the living conditions of:  
 Q.80A elderly people in your country

-5 other missing  
 -4 question not asked  
 -3 not applicable  
 -2 no answer  
 -1 don't know  
 1 very much  
 2 much  
 3 to a certain extent  
 4 not so much  
 5 not at all

Comparability:  
 Trend question (EVS 2008=EVS 1999).  
 (Modified trend: interviewer instruction).

**Show Card**

**Comparative Variables 1981-2008**  
[e159 - EVS Longitudinal Data File 1981-2008](#)  
[V290 - Integrated Dataset - EVS 2008](#)

**Original Language Documentation**  
[V272 - Austria EVS 1999](#)

European Values Study - ZA3811 - v272

Display this Variable in Extended Variable Overview  
 Dataset ZA3811: Integrated Dataset - EVS 1999  
 Variable V272: are you concerned with: elderly people (Q80A)

Q.80  
 <Show card 80>  
 To what extent do you feel concerned about the living conditions of:  
 Q.80A elderly people in your country

-5 other missing  
 -4 question not asked  
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 (Modified trend: interviewer instruction).





# Ausblick H2020



- **‘OpenAIRE will become an entry point for linking publications to underlying research data’**
  - **Quelle: Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020**
- **Pilot on Open Access to Research Data**
  - **Projekte haben Data-Management-Pläne zu erarbeiten bzgl. Erzeugung, Speicherung, Dokumentation und Zugang zu Forschungsdaten**
- **Call e-Infrastructures EINFRA-2-2014: e-Infrastructure for Open**

# Zeit für Fragen und Diskussion!

Weiterführende Informationen:

**OpenAIRE portal:** <http://www.openaire.eu>

**OpenAIRE “Lab”:** <http://beta.openaire.eu>

**OpenAIRE Guidelines:** <https://guidelines.openaire.eu>

**Zenodo repository:** <http://zenodo.org>

**D-Net software:** <http://dnet.research-infrastructures.eu>