Najla Rettberg SUB, University of Göttingen

OpenAIRE DINI Workshop, 21.01.13









OpenAIRE Today

- OpenAIRE & Open Access
- Services for Research Administrators
- Repositories, CRIS
- OpenAIREplus
- A Look Ahead







What is OpenAIRE?

- Funded by EC in 2009
- Building an OA Publication Infrastructure
- Collaborative project of 32 countries
- Cross-Discipline
- Supporting European Research Area
- Measure Impact of FP7







"Open access to research IS A MUST

For the competitiveness of **Europe**"

Neelie Kroes, the EU Commissioner for Digital Agenda

OpenAIRE European OA Mandate

At funding level

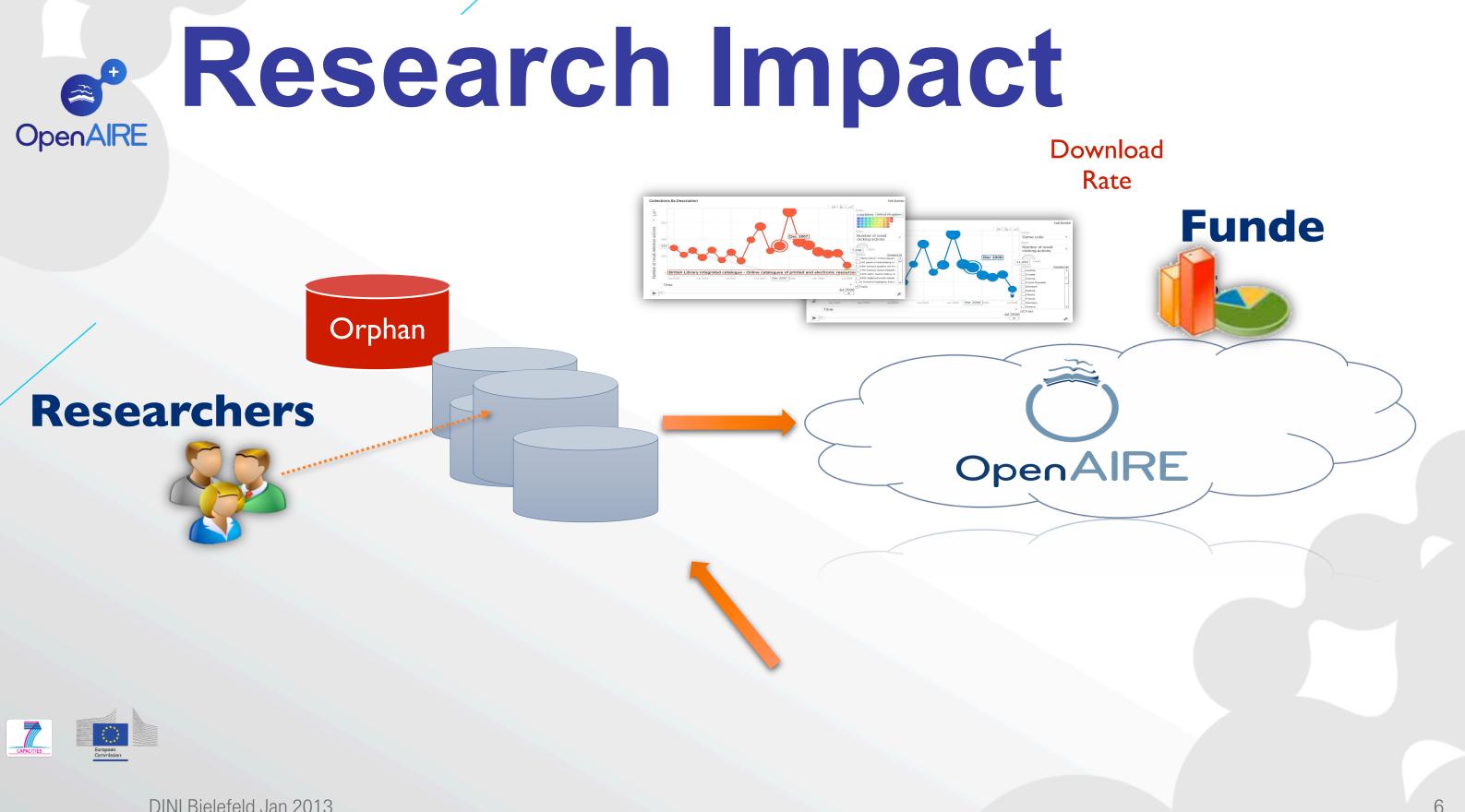
Europe's Open Access Pilot ,Special Clause 39'

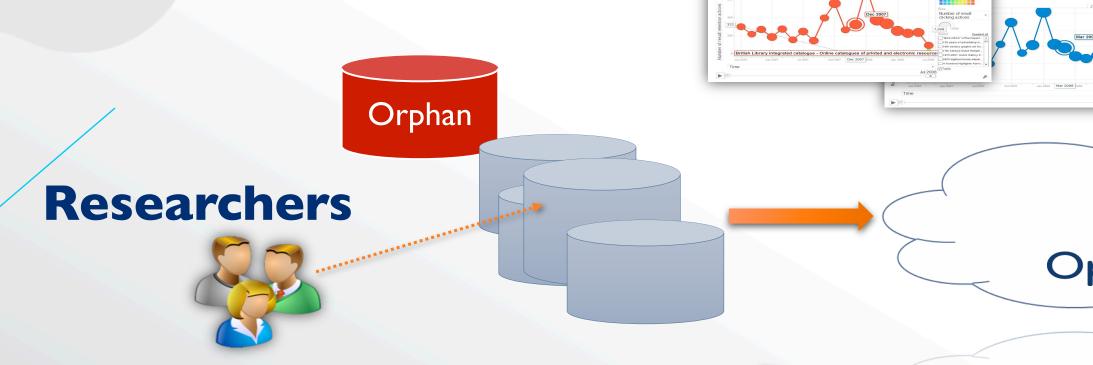
- FP7 Funding scheme
- Seven thematic Areas (20%)
- Open access to publications
- System of deposit
- .. or pay Gold OA charges



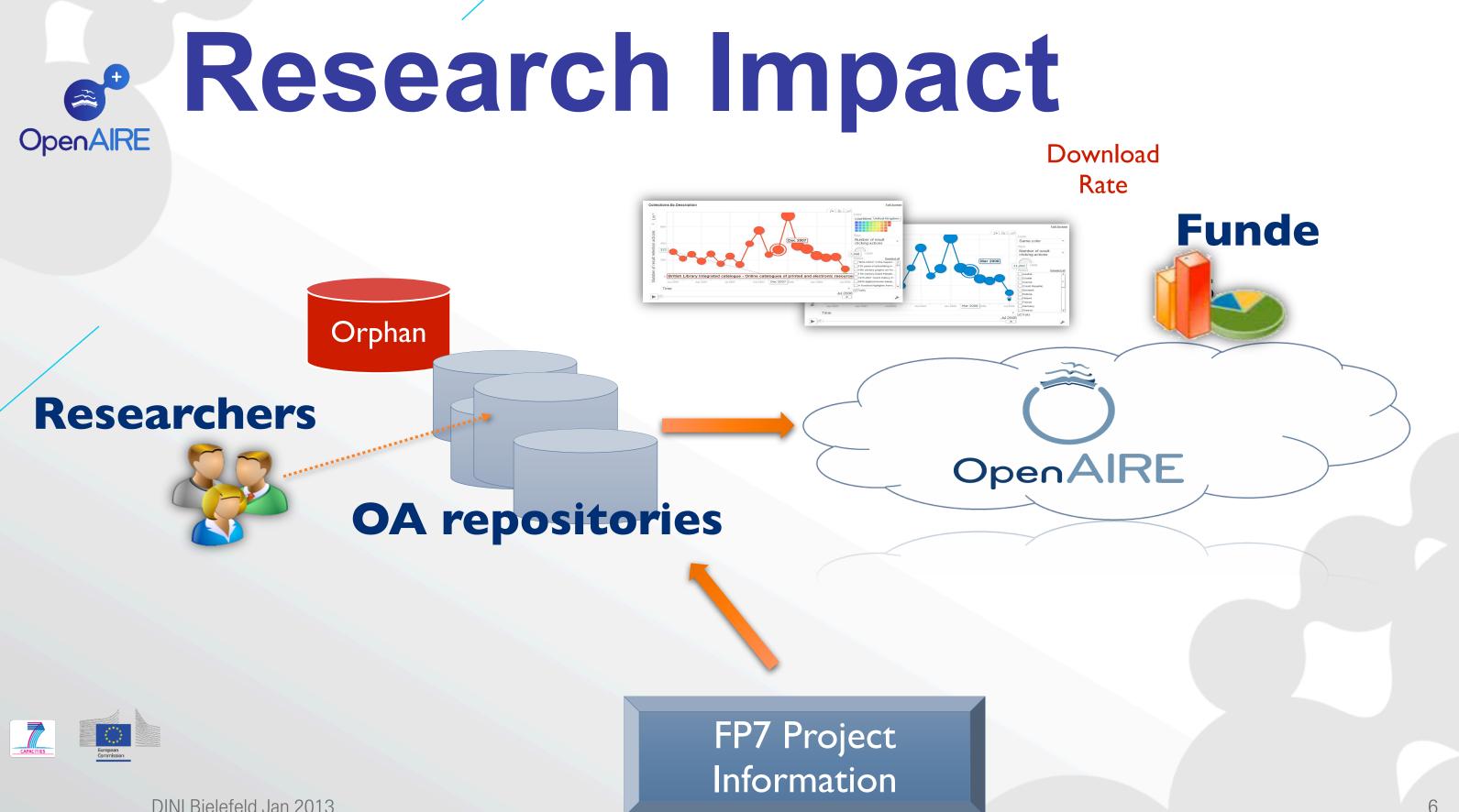
b)

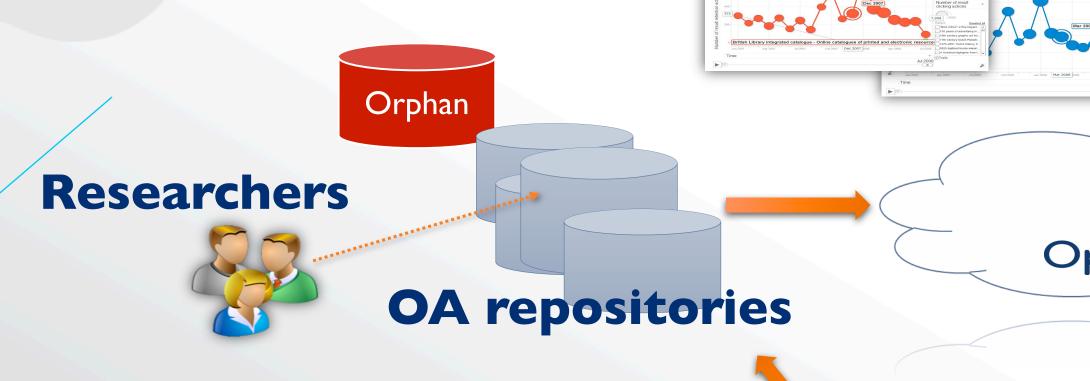
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OpenAIRE

Usage statistics

... alternative measures of impact

... per publication

View more 🤑

Document Language

English (1418) French (25) Portuguese (16) Spanish (13) German (6) View more 🖟

Scientific Areas

Information and Communication Technologies (491) Marie-Curie Actions (316) ERC (273) Research Infrastructures (74) Research Potential (74) View more 🖟 Found 1701 documents, displaying page 1 of 171

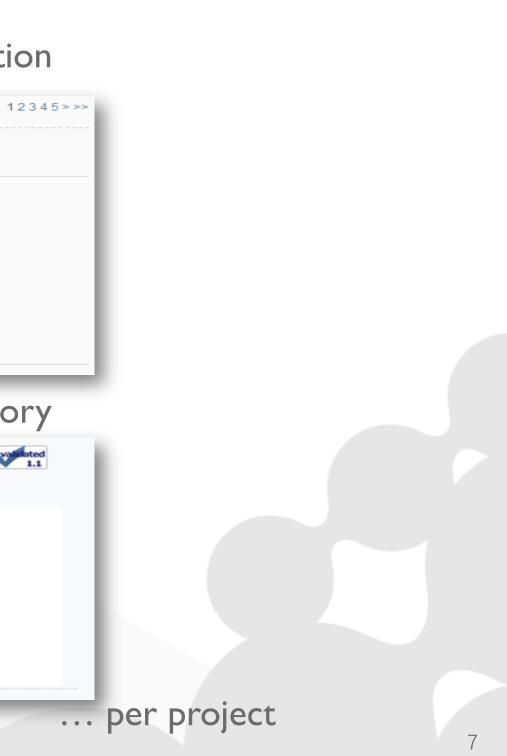
T Comparison of a checklist for clinical signs of impairment and detection of drugs in saliva Author(s): Goessaert, An-Sofie, Legrand, Sara-Ann, Veramme, Jolien, Verstraete, Alain



...per repository







OpenAIRE

Usage statistics

... alternative measures of impact

... per publication

12345>>>

View more 🤑

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T Comparison of a checklist for clinical signs of impairment and detection of drugs in saliva Author(s): Goessaert, An-Sofie, Legrand, Sara-Ann, Veramme, Jolien, Verstraete, Alain



... per repositor MENDELEY





DINI Bielefeld Jan 2013

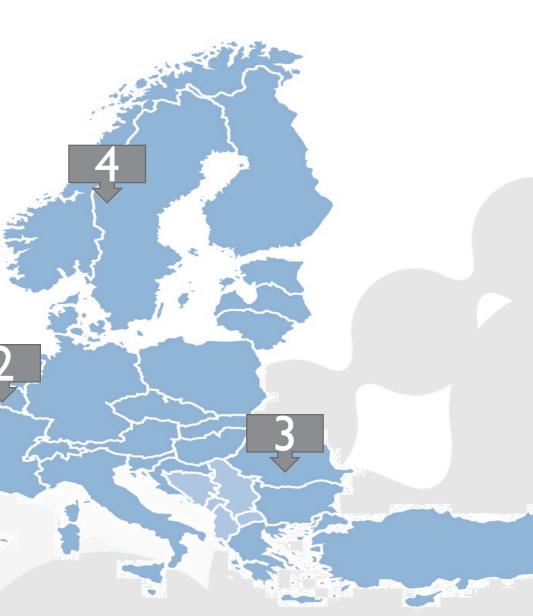


... per project

Supporting OA in Europe OpenAIRE

- Network of EU Open Access Knowledge
- **Expertise in OA, repositories & services**
- Champion Open Access
- Helpdesk
- Workshops, Training
- Data ,Awareness'
- 41 partners





Technical Infrastructure OpenAIRE Based on existing infrastructures (eg DRIVER)

- Harvest Repositories via OAI-PMH
- Repositories have to use our ,Guidelines'
- Other funding schemes eg Wellcome Trust, FWF, EGI.eu
- Orphan Repository (publications and data)
- Plug-ins (Dspace, Eprints, OJS)
- CORDA database



+ OpenAIRE

Project Coordinators **Tools to ease some workflows** Dissemination of research output

Are you a Research **Coordinator** or **Project** Manager?



- Reporting
- CORDIS

PRIME-X	
Home About PRIME-XS	Research Access to Facilities Events Downloads News Intranet Links
Quick Links Homepage Contact Us Project submission News Arenu Listest News PRIME-XS in the news PRIME-XS in the news PRIME-XS in the news PRIME-XS on the web Pclures Publications Publications (via OpenAIRE) Vacancies	 Publication List (OpenAIRE) Below are all PRIME-XS publications that are currently in the OpenAIRE database: PRIME-XS publications Proteomic Analysis of Lysine Acetylation Sites in Rat Tissues Reveals Organ Specificity and Subcellular Patterns Alicia Lundby - Kasper Lage - Brian T. Weinert - Dorte B. Bekker-Jensen - Anna Secher - Time Skowgaard - Christian D. Keistrup - Anatoly Dmytriver - Chunarm Choudhary - Carsten Lundby - Jesper V. Olsen - Proteomic-Mide Mapping of the Drosophila Acetylome Demonstrates a High Degree of Conservation of Lysine Acetylation Proteome-Wide Mapping of the Drosophila Acetylome Demonstrates a High Degree of Conservation of Lysine Acetylation Brian T. Weinert - Sebastian A. Wagner - Heiko Horn - Peter Henriksen - Wenshe R. Liu - Jesper V. Olsen - Lars J. Jensen - Chunarm Choudhary - Christiane Dipuls - Jeröne Garin - Virginie Brun - Christophe Bruley Mass spectrometry-based absolute protein quantification: PSAQ* strategy makes use of "noncanonical" proteotypic peptides Michel Jaquindo - Mathieu Trauchessec - Céline Huillet - Mathilde Louwagie - Dorothe Lebert - Guillaume Plcard - Annie Aratt - Alain Dupis - Jeröne Garin - Virginie Brun - Christophe Bruley The PRIDE Converter 2 Tramework: an Improved suite of tools to facilitate data submission to the PRIDE database and the Proteom-Kchange consortum R. G. Cote - J. Griss - J. A. Dianes - R. Wang - J. C. Wright - H. W. P. van den Toorn - B. van Brense - H. Herrijakob - J. A. Vizcaino Combining quantitative proteomics data processing workflows for greater sensitivity Niklaas Colaert - Christophe Van Huele - Sven Degroeve - An Staes - Joël Vandekerckhowe - Kris Gevaert - Lennart Martens Applications of stable Isotope dimethyl tabeling in quantitative proteomics Duppinga Kowainch - Salvatore Cappadona - Reinout Raijmakers - Shabaz Mohammed - Arjen Schotten - A





Research Administrators

Measure OA and Impact; Aggregated statistics for research

Are you a Research **Coordinator** or **Project** Manager?

- National funders/infras
 - What is the output/impact of your country
- Institutional research admins
 - Link to CRIS systems
 - Output and impact of institution
- Open Access measurement
- Advanced tools for science trends



Data Providers

Be part of a community

Are you a Data **Provider**?

Join the Open Access Network. Increase visibility. Impact Open Science.

- Increase your visibility
 - To funders and research administrators

• Interoperate through guidelines

- Publication, funding, research data
- Usage statistics (impact)
- Get back enriched information
 - Links to funding and research data
 - Aggregated statistics
- Notifications about publications in other repositories







Adopting CERIF

PUBLICATIONS – PROJECT – FUNDING - DATASETS

2287591	European basin-scale analysis, synthesis and integration (EURO-BASIN Project) (3
	Add document	
	🗘 🔶 🔄 Logo-icon	
Metadata	There are no associations	
Financing	Add file	
Franslation	Links	
ERVIEW	Http://www.euro-basin.eu Show Edit	-
	Add link	
Relations Display	Relations	
Jispiay	Keiauons	
STORY AND COMMENTS	Parent project There are no associations	
History and comment	s	
	Add parent project	
	Related projects There are no associations	
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	Publications Effects of temperature and food availability on feeding and egg production of Calanus hyperboreus from Disko Bay, Western Greenland Publication: Research - peer-review > Journal article	-
	Long-term retrospective analysis of mackerel spawning in the North Sea : A new time series and modeling approach to CPR data Publication: Research - peer-review > Journal article	-
	Marine snow, zooplankton and thin layers: indications of a trophic link from small-scale sampling with the Video Plankton Recorder Publication: Research - peer-review Journal article	-
	The rise and fall of the NE Atlantic blue whiting (Micromesistius poutassou) Publication: Research - peer-review > Journal article	-
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	Visibility	
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- Aligning data model
- Retrieving publication-project information
- PURE compliant v. 4.15
- Boost repository engagement



OpenAIRE

el ion-project

4.15 Maagemen

OpenAIRE is a natural fit

With PURE's functionality, metadata model and philosophy'

Thomas Vestam, PURE project manager, Denmark







A number of hurdles

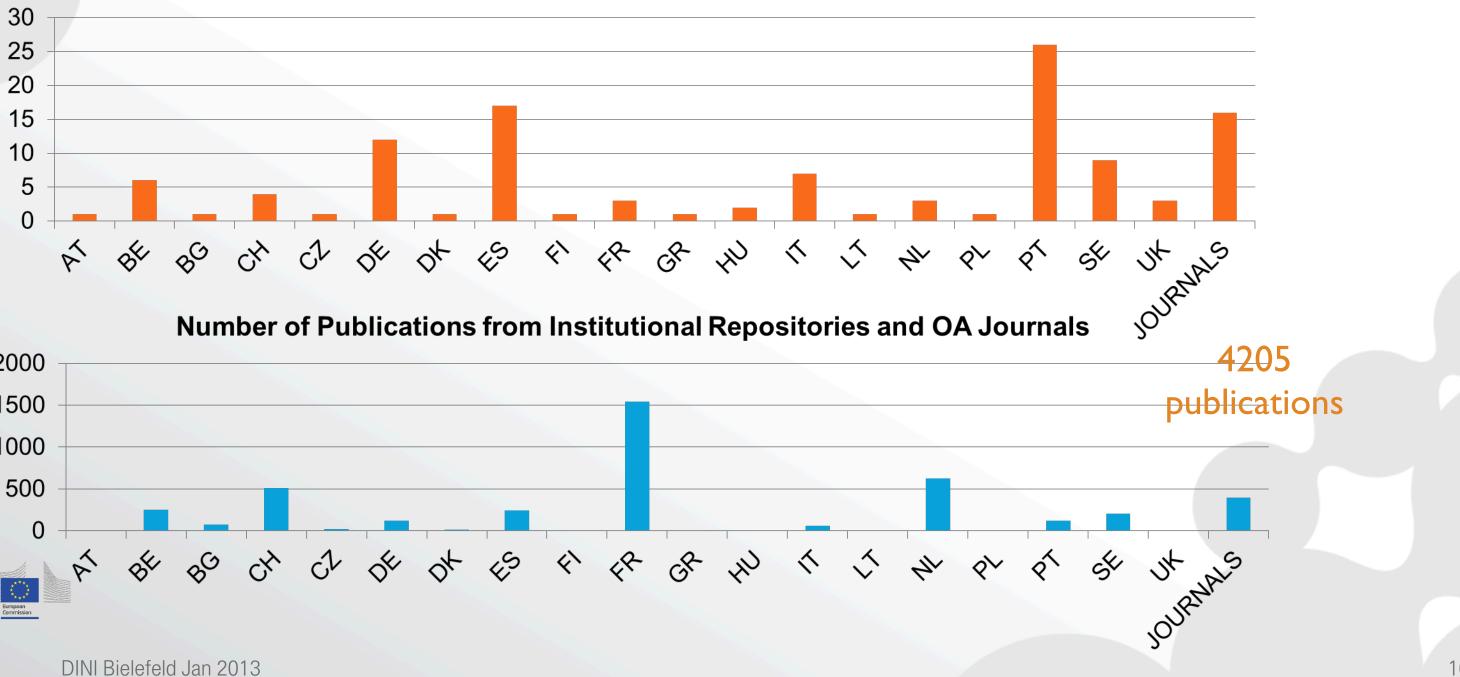
- Misinformation from EC
- More advocacy
- Researchers Unaware
- Lack of urgency (soft mandate)
- Repository Managers

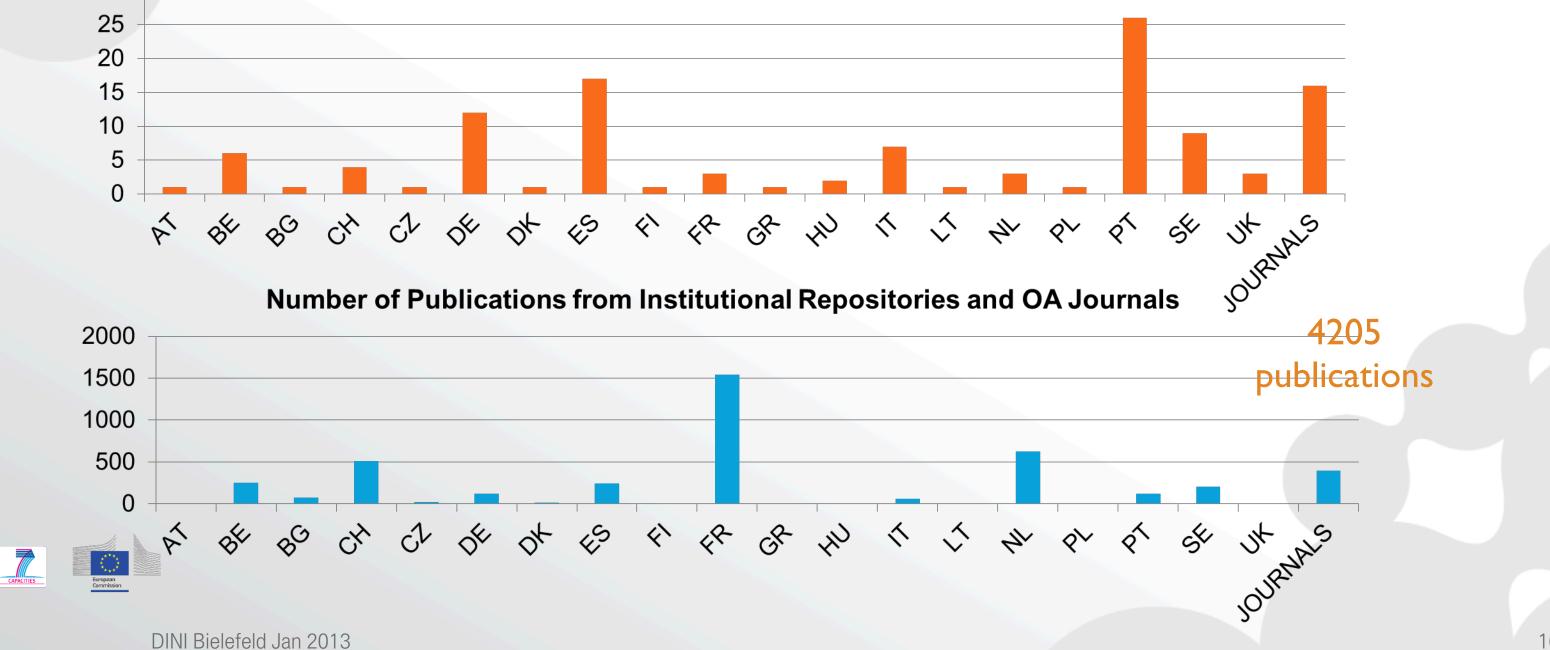






Number of Repositories and OA Journals

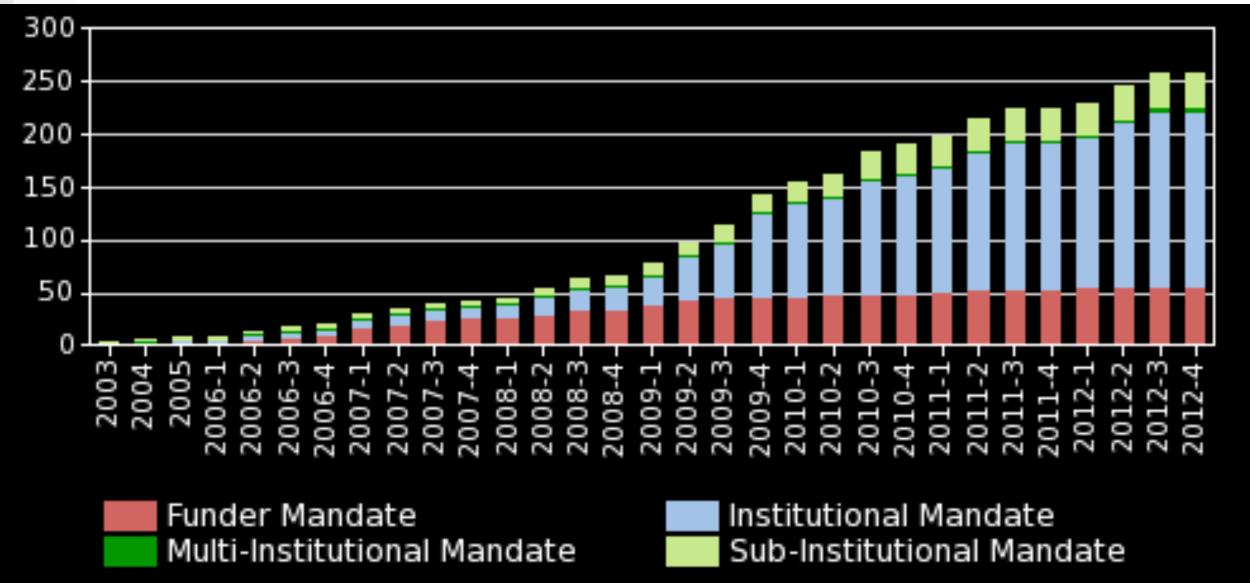




100 repositories 16 journals



Mandates – Institutional & Funder



Collected from ROARMap.eprints.org 16.1.13

OpenAIRE German OA-Scene

Strong on Advocacy, Low on OA mandates

- DINI, OA-Net
- Policies DFG
- Alliance of Scientific Organisations
- 144 OA Repositories





German Repositories

SIZE

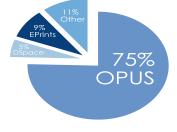
Amount of Items in all German **Open Access Repositories**

704.121

Average Size of a German **Open Access Repository**

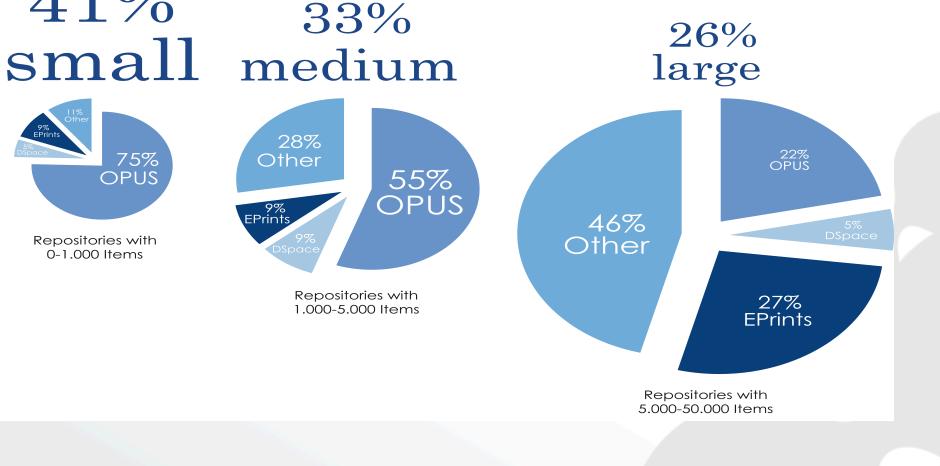
4.994

41%



Repositories with 0-1.000 Items

33%

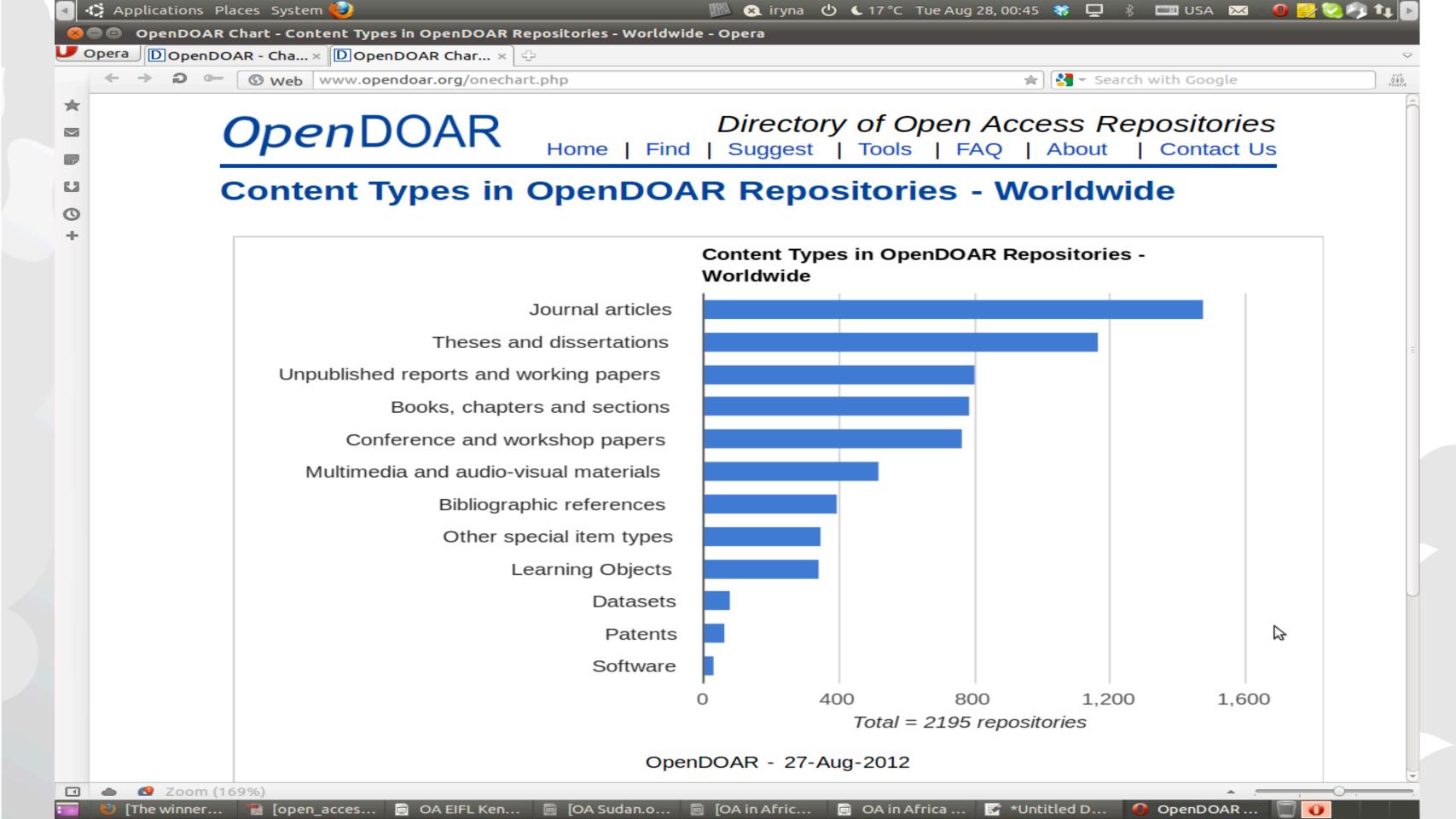


Courtesy of Paul Vierkant



OpenAIRE DATA Plus





OpenAIRE Re-use of Research Data

Seems logical

- Cross-disciplinary benefits
- Increased scientific progress
- Benefits of data citation, career boost
- Collaboration







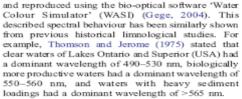
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B. Heim et al. / Global and Planetary Change 46 (2005) 9-27

Table (Overview on accuracies of chl-a algorithms (see also Table 4) applied on SeaWiFS data in July 2002 (07/20) HPLC OC4 2002/07/20 OC2 This study, July 2001+2002 n chl-a, all n chl-a, case l 17 17 17 0.85 Mean 1.6 1.35 1.3 fug l 1.55 Median 1.25 0.8 1.3 [μg 1⁻¹] S.D. [μg 1⁻¹] 0.8 0.5 0.25 Accuracy ± 0.35 ± 0.3 +0.38all [µg I] $\pm 24\%$ ± 27% $\pm 2.7\%$ 2002/07/20 HPLC Iluz et al. Iluz et al. Gordon and (2003), years (2003), Morel (1983) 1994-1996 year 1996 case 1 n chl-a, all 22 17 17 17 $n \text{ chl} - a_n$ Case 0.85 Mean 1.6 0.6 $[\mu g \ I^{-1}]$ Median 1.55 0.6 0.94 0.8 [µg 1⁻¹] S.D. [µg 1⁻¹] 0.1 0.4 0.25 0.8 ±0.6 ± 0.41 ± 0.45 Accuracy all [µg I^{-1}] ±54% ±27% ±27%

Chl-a algorifhms are OC2 (A, Table 4) and OC4 (B, Table 4), empirical chl-a algorifhm (D, Table 4) from ground traft data set of Lake Baikal in 2001 and 2002 (this study, chl-a algorifhms from Haz et al. (2003): coefficient of studies from 1994 to 1996 (F, Table 4), coefficient of 1996 separately (G, Table 4), and case 1, Gordor and Morel (1983) (H, Table 4).

According to ground truth and SeaWiFS spectra for 2001–2002, the green peak of the highly transpart waters of Lake Baikal is commonly located SeaWiFS band 4 (510 nm). However, the absorbing and scattering optical activities in the presence of the terrigenous input shift the peak position towards SeaWiFS band 5 (555 nm). The waters in the observable cloud-free parts of the SeaWiFS acquisitions are not as turbid, so there does not occur a spectral shift in the peak position of the SeaWiFS spectra from SeaWiFS band 5 (555 nm) to band 6 (650 nm). This observed spectral behaviour of the peak shifting from 510 to 555 nm in the 2001–2002 SeaWiFS data sets of Lake Baikal can be simulated



This spectral shift is regarded as an indicator for the terrigenous input and can be used by applying a 'mask of terrigenous input' on the atmospherically corrected SeaWiFS data defined by reflectance ratio values of $R_{\rm RS}510/R_{\rm RS}555$ below 0.9. This is in accordance to the SeaWiFS study done by Froidefond et al. (2002) in the Bay of Biscay, who observed chlorophyll overestimation (due to terrigenous input) in cases of $R_{\rm RS}490/R_{\rm RS}555$ below 1.

When calculating standard suspended matter products (Jorgensen, 2000; Binding et al., 2003), the high organic fluvial input in Barguzinski Bay and local fluvial input into the South Basin shows inverse grading with lowest calculated SPM concentrations towards the river inlets. Field spectrometer measurements and ground truth data show that, for several bio-optical are the provided to the assumption

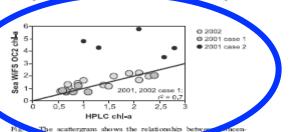


Fig. The scattergram shows the relationship between efficientrations on a singlated from ScaWFS OC2 - to ad calculated determined from ground means the start during field expeditions in Lake Baikal during 2001 and 2002. Values of measured chlorophyll (HPLC) are the mean concentrations of each sampling point from 5 to 30 m depth. For the OC2 chi-a calculations, the most cload-free acquisitions in 2001 (2001/07/19) and 2002 (2002/ 07/20) were chosen. Note the considerable chi-a overestimation caused by the influences of terrigenous input in case 2 waters. (Data available at: doi:10.1594/GF27CDP/CON/2004).

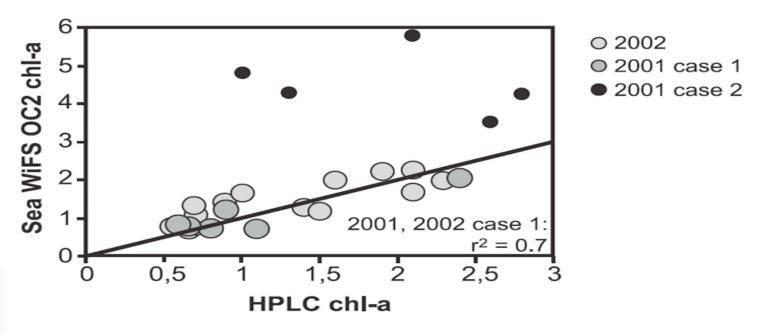


Fig. 2. The scattergram shows the relationship between concentrations of chl-*a* calculated from SeaWiFS OC2 and chl-*a* calculated determined from ground truth measurements during field expeditions in Lake Baikal during 2001 and 2002. Values of measured chlorophyll (HPLC) are the mean concentrations of each sampling point from 5 to 30 m depth. For the OC2 chl-*a* calculations, the most cloud-free acquisitions in 2001 (2001/07/19) and 2002 (2002/07/20) were chosen. Note the considerable chl-*a* overestimation caused by the influences of terrigenous input in case 2 waters.



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	Document Image Additional file 1 Image Additional file 2 Video Additional file 3	 Video Additional file 4 Article Inhibition of HMG CoA reductase reveals an unexpected role for cholesterol during PGC migration in the mouse



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	Date Issued 2012-05-31 More info L ² Document Image	See Video
	Additional file 1	Additional file 4
	Additional file 2	Inhibition of HMG CoA
	Video	reductase reveals an unexpected role for cholesterol during PGC migration in the



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	Additional file 2	Article Inhibition of HMG CoA reductase reveals an unexpected role for cholesterol
	Video Additional file 3	during PGC migration in the mouse

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	Document Image	Video
	Additional file 1	Additional file 4
	Additional file 2	Article Inhibition of HMG CoA reductase reveals an unexpected role for cholesterol
	Video Additional file 3	during PGC migration in the mouse

Sustainability?

OA to 'results of publicly funded research' 100% Horizon 2020

EC's Communication & Recommendation , July 2012





Towards Horizon 2020

Adopting open access as the norm.

- Workflow at institutional level
- Harmonisation local to global
- Services on top of Repositories
- CRIS embedded
- Role of data
- Impact
- Invest in Interoperability







It is not IF Open It is HOW Open Access





Thank you!

Come to our next meeting in Minho, Portugal in February 2013 EuroCRIS will be there.



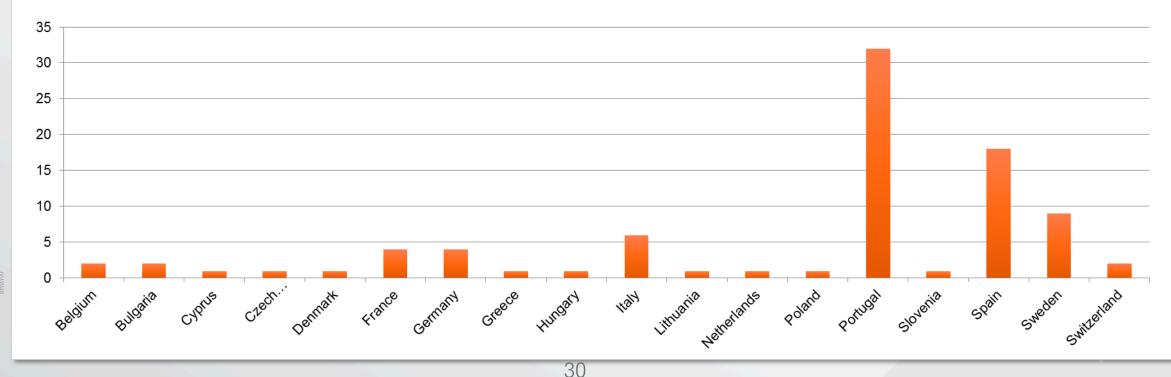


nrettbe@gwdg.de



OpenAIRE OpenAIRE in numbers

- 26-27,000 FP7 publications from 5,000 projects
- ~ 10,000 Open Access 40 %
- from 94 OpenAIRE OA Repositories & Journals harvested + other sources (WoS, UKPMC, arXiv etc.)







 In parallel (1999-present) criticism of DC: **1** Syntax and semantics not sufficiently formal Operator>,<contributor>,<publisher> are ROLES of person or

organisational unit not base entities

- 3. <relation> : extremely general
- 4. <source> : is a variant of a role-based relationship object<>object

5. <coverage> recently separated into geographic and temporal but needs

formalisation

6. Formalised version of DC proposed 1999, considered, now in **CERIF**

7. Note: recent (2007) work on DC and SWAP going in this CAPACITIES direction



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