



# OpenAIRE

Open Access Infrastructure for Research in Europe

## OpenAIRE plus Data – Open Access Tage 2012

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**University of Göttingen**



# Overview

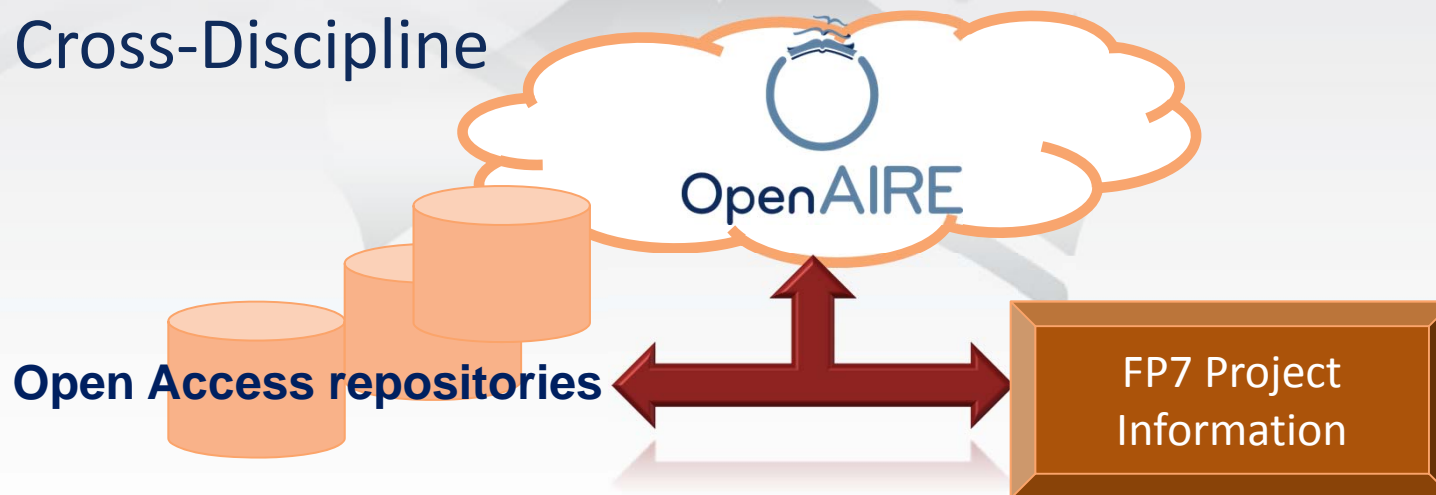
- OpenAIRE – State of play
- Bad news/good news
- Services OpenAIRE can offer
- What is OpenAIRE/plus about?
- Heading towards Horizon 2020



# What is OpenAIRE?



- 2009 – 2012, 27 countries
- EC Open Access Pilot, Mandate, SC39
- Measure Impact of FP7
- OA Publication Infrastructure
- Cross-Discipline





# Supporting OA policy in Europe

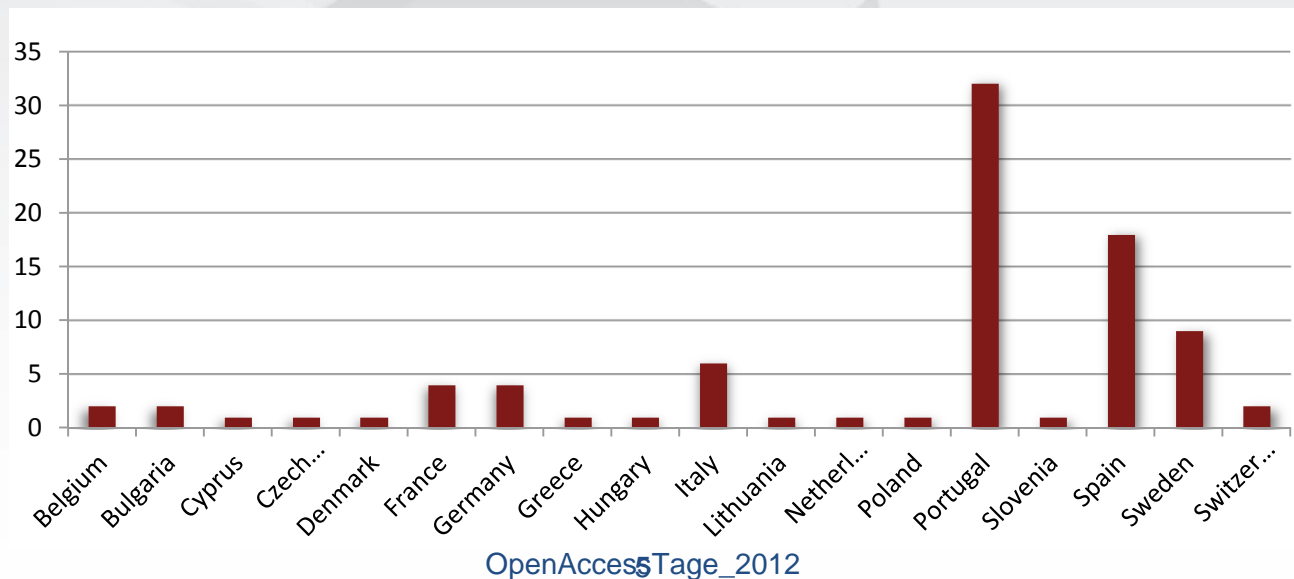
- Technical infrastructure *not enough*
- Network of National Open Access Desks
  - Diverse national research environments
- A European network of people sharing experiences
  - Helpdesk, workshops, training





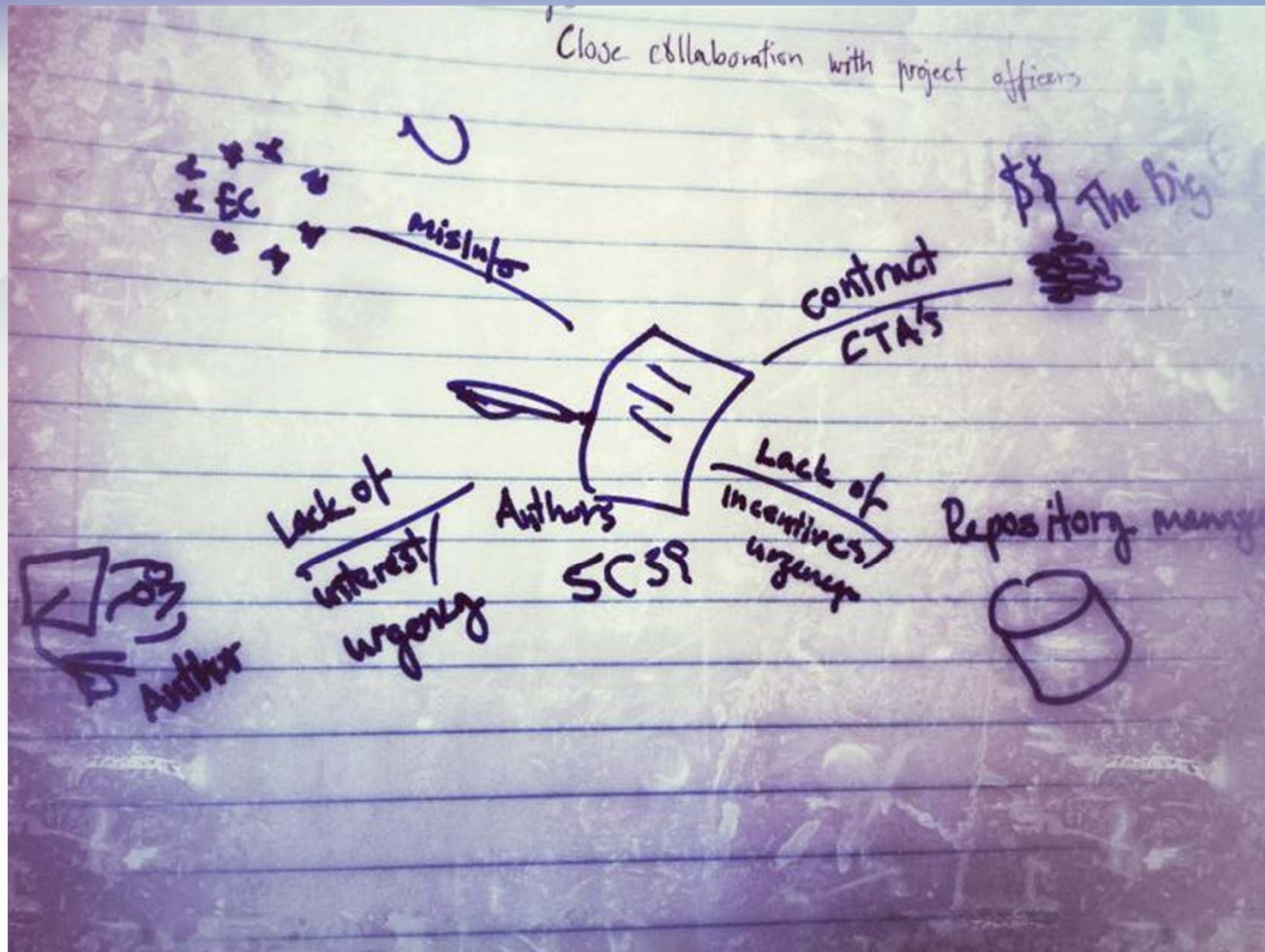
# OpenAIRE in numbers

- 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.)





# External challenges





# Share Challenges

- „A voice in the OA agenda“
- „Researchers unaware“
- „Inconsistent information“
- Guidelines problematic
- National aggregators



- Repository manager: „Yes, when there is a mandate“



# Where are the Project Coordinators?







# Do they comply? ROD-SOL

The screenshot shows the ROD-SOL project website. The main heading reads: "Welcome to the project website of ROD-SOL. All-inorganic nano-rod based thin-film solar cells on glass, a three-year EU-funded project aimed to develop new, more cost-effective nanomaterials for solar cells." Below this, there is a search bar and navigation tabs for Home, Project description, Project details, Partners, and Press room.

The search results are displayed on the Web of Science platform. The search criteria are: Grant Number=(FP7-NMP-227497), Timespan=All Years, Databases=SCI-EXPANDED, SSCI, Lemmatization=On. The results show 2 items. The first item is titled "A precise optical determination of nanoscale diameters of semiconductor nanowires" by Broenstrup G., Leiterer C., and Jahr N., published in NANOTECHNOLOGY, Volume 22, Issue 38, Article Number: 385201, DOI: 10.1088/0957-4484/22/38/385201, published on SEP 23 2011. The second item is titled "Optical Properties" by Broenstrup Gera, published in ACS NANO, Volume 5, Issue 11, Article Number: 5400, DOI: 10.1021/nn101428g, published on NOV 11 2011.

A red box is overlaid on the search results with the text: "None of these are Open Access".

Below the search results, there is a login section with a password field, a "Remember Me" checkbox, and a "Login" button. There is also a link for "Forgot your password?".

At the bottom of the page, there is a text block: "as solar energy is available in almost unlimited amounts,' commented project coordinator Dr Silke Christensen of the Institute of Photonic Technology (IPHT) in Germany. The solar cells currently in use have an efficiency of around 18%. However, producing these cells requires a lot of raw materials and is an extremely energy-intensive process. In the future, thin film solar cells are expected to dominate the market, as their production costs are much lower. But the efficiency of these new cells, at around 10%, is rather low."

OpenAccessPage\_2012



# HOW ?



Courtesy of Scott  
Edmunds @  
Gigascience



# For you to consider....

- **Get in touch** with Project Coordinators
- Make a **list** of repositories and other stakeholders
- **Speak in their language** – find some champions
- Look for further **opportunities** to meet with researchers and project coordinators



# For OpenAIRE to consider...

- Weak mandate – solved in H2020
- CERIF compliancy will help
- Levels of compliancy – engagement
- More services ,value-added‘
- Other means – text-mine



# Services for research administrators – Statistics

View more

## Document Language

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

## Scientific A

- Information an
- Technologies
- Marie-Curie Ac
- ERC (273)
- Research Infr
- Research Pot
- View more

Found 1701 documents, displaying page 1 of 171

1 2 3 4 5 >>>

Piezoelectric textiles : state of the art

Author(s): Cybula, M, Krucinska, I, Rambausek, Lina, Van Langenhove, Lieve

Show details Show BibTeX Show Statistics Print Email

publication level

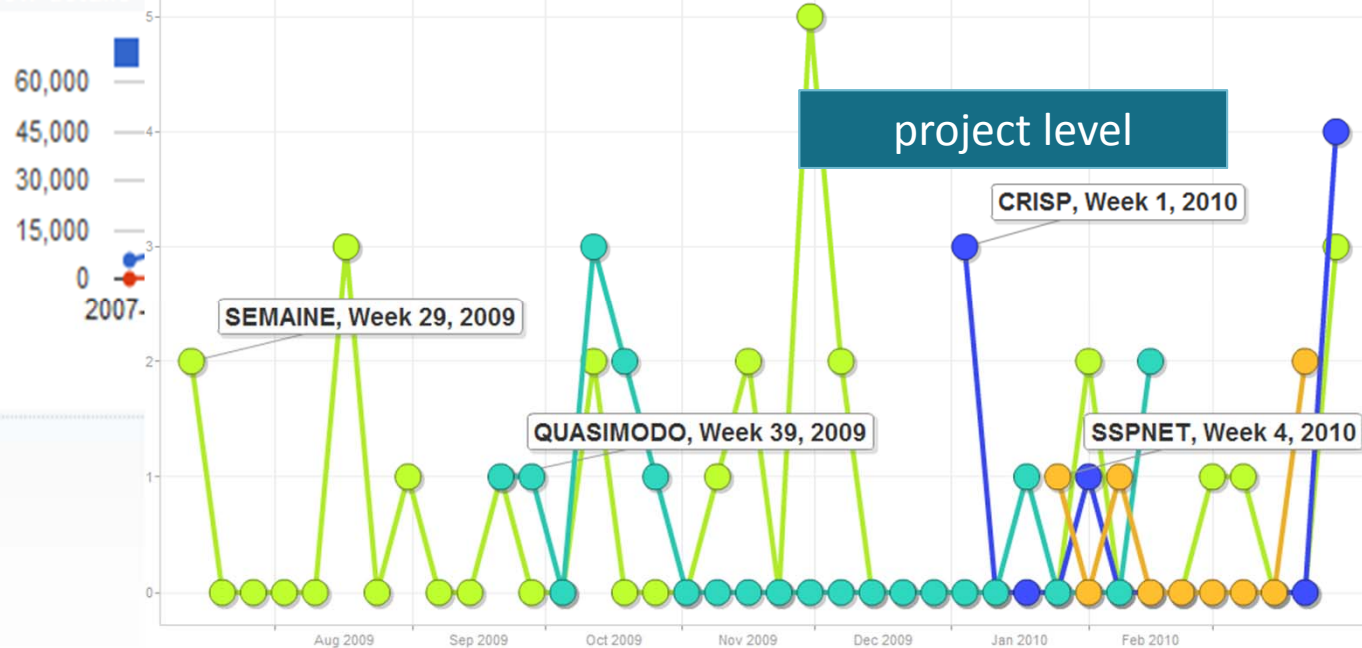
Universiteit Twente Repository

repository level



Show details

Hide statistics



OpenAccessTage\_2012

All



# Services for officers - Alerts

Delivery of information to users

○ Subscribe to topics of interest

**Add New Subscription**

Select topic:

Send an alert to:

Alert using:

Post alert to:

○ Receive notifications through various means

Alert using:

Post alert to:

All



# Services for Coordinators - Reporting



Contact us | About | Newsletter BG CS EN FR HU IT LV LT PL PT RO search...



SignIn  
Username: ..... login

- Home
- Open Access in the EU
- Participate Deposit, Provide Content
- Discover Publications, Statistics
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- My OpenAIRE My Deposits, My Alerts

**In this section**

- Publications
- Projects
- Statistics
- Repositories

Home > Discover > Projects

## Project: ELISA

**Title:** European Light Sources Activities - Synchrotrons and Free Electron Lasers  
**Call:** FP7-INFRASTRUCTURES-2008-1  
**Grant agreement number:** 226716  
**Start date:** 01/03/2009  
**End date:** 31/08/2011  
**Special clause 39:** no  
**Scientific area:** Research Infrastructures  
**Programme:** SP4-Capacities

**App Box**

- View publications details
- Dynamically incorporate publications in your site (HTML)
- View EC progress report (HTML)
- Download EC progress report (CSV)

Claim publications Deposit OA

Detailed project information (CORDIS)

## Publications

- Plimerite from Krásno ne
- Low-temperature fabrica
- Three-Dimensional Spin Surface System
- Valence change of prase
- Valence transition in

**Salt-induced changes of colloidal interactions in critical mixtures**

**Author(s):** Clemens Bechinger - J. Friso van der Veen - Kim Nygard - Shirish Chodankar - Laurent Helden - Julian Dietrich - Ursula Nellen  
**Repository:** arXiv.org e-Print Archive  
**Publication Date:** 2011-04-28

**Project(s):** ELISA  
**Access:** Open Access



# OpenAIREplus - Phase II



- Dec, 2011, 2.5 yrs, 33 countries
- Building on OpenAIRE
- **Linking** of OA Publications to Datasets
- Linking to Funding, outside FP7
- Discovery and Reuse
- Service for Users





# Covering 'European Knowledge'

Open Access  
Infrastructure  
for Research in Europe

OpenAIRE



OA Publication  
Infrastructure

OpenAIRE  
Open Access Infrastructure for Research in Europe

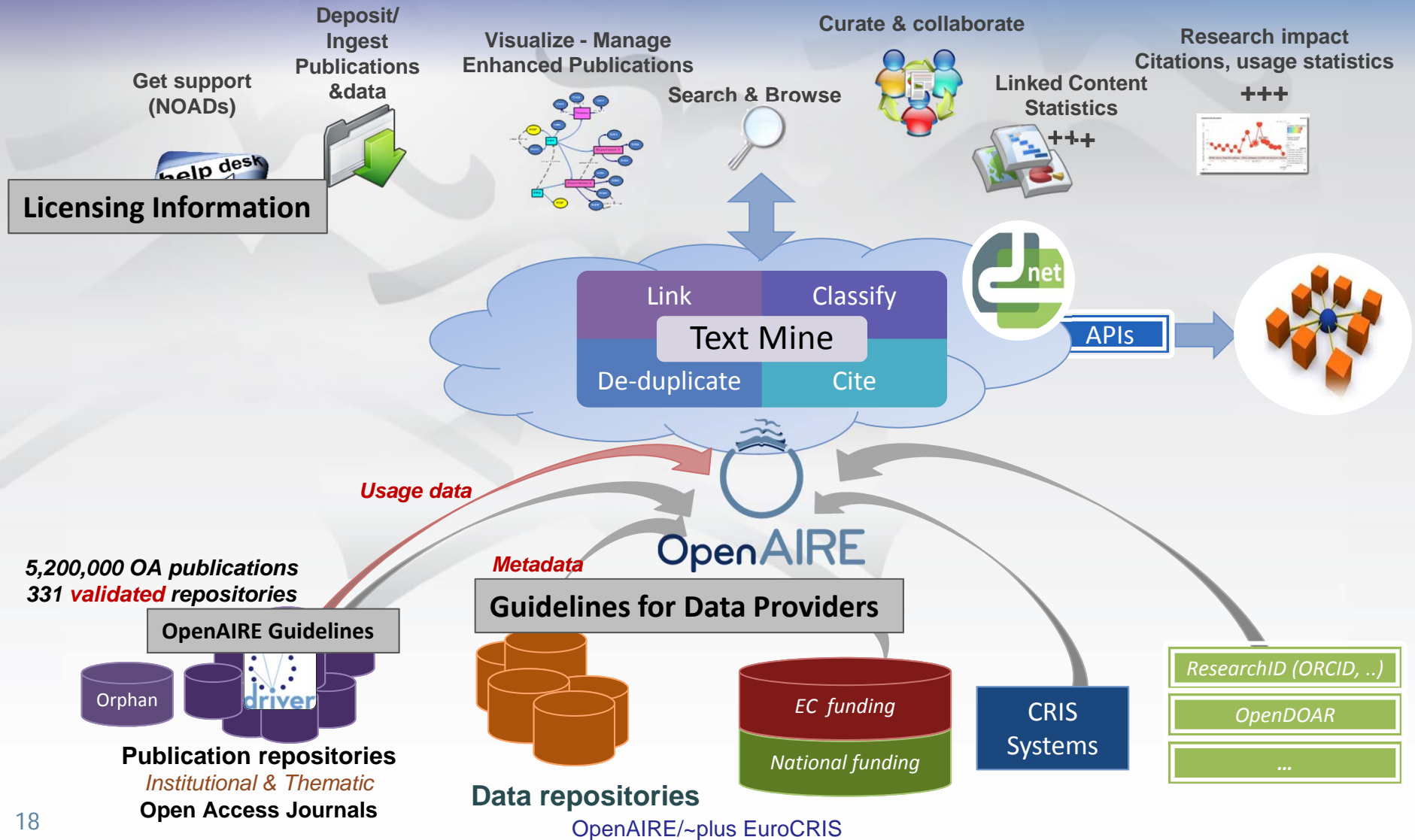
Open Data  
Infrastructures



ESFRI, EU wide  
infrastructures



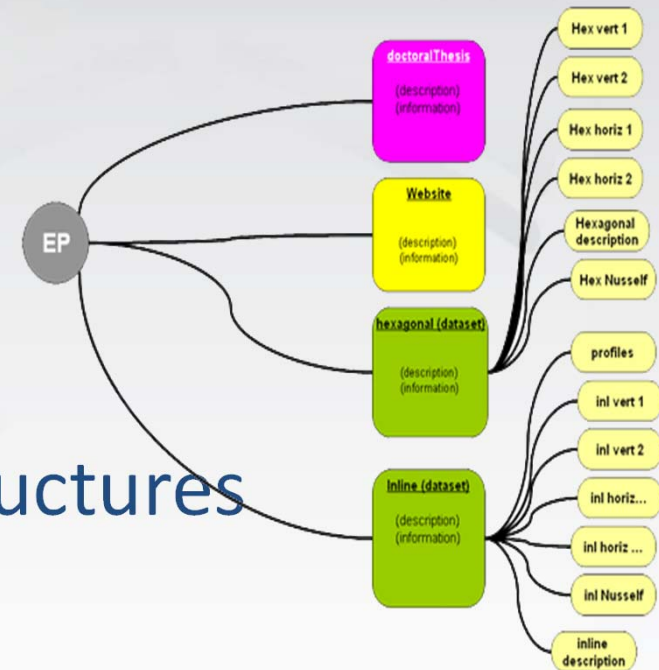
# Services/Data Model

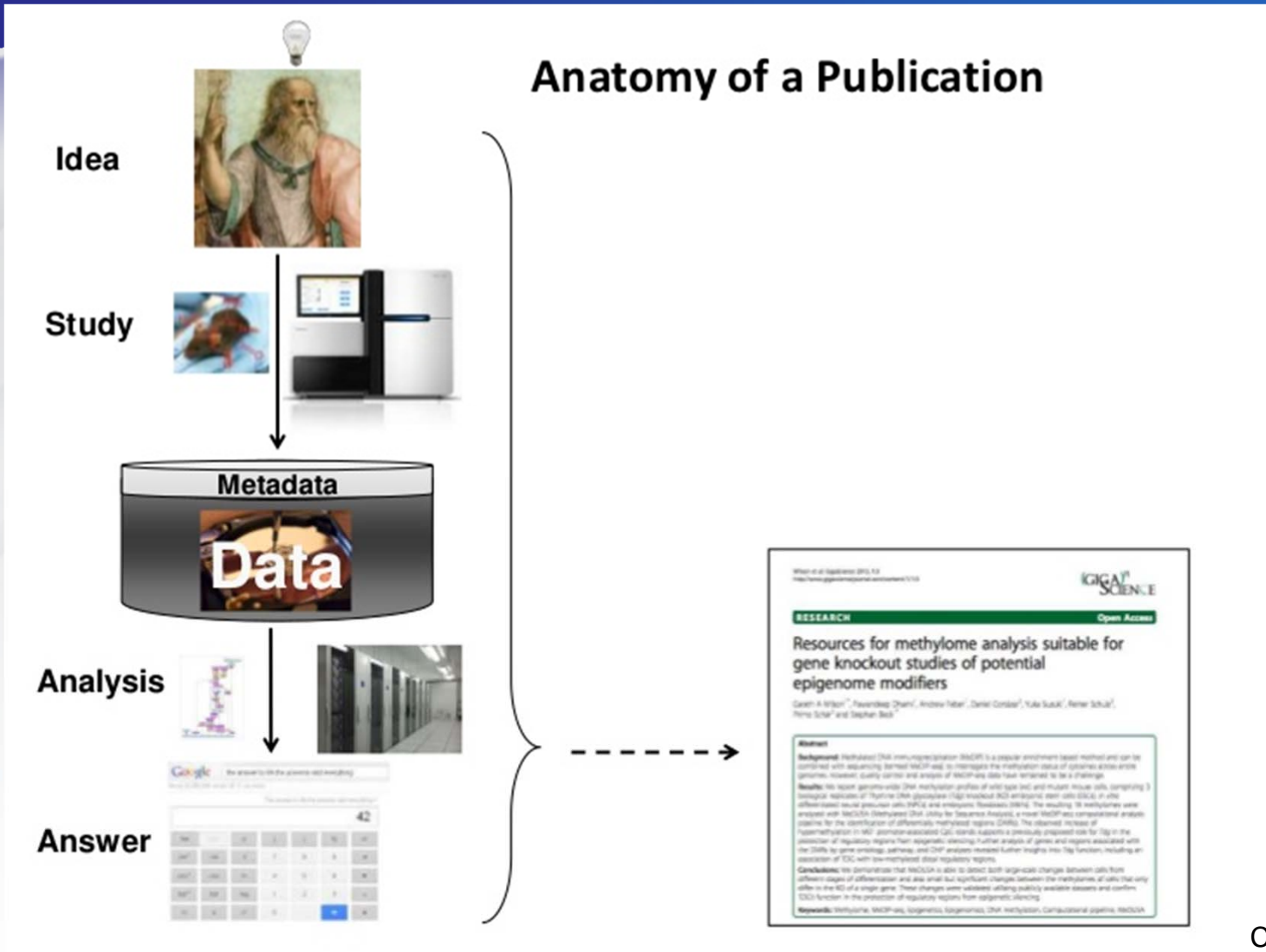


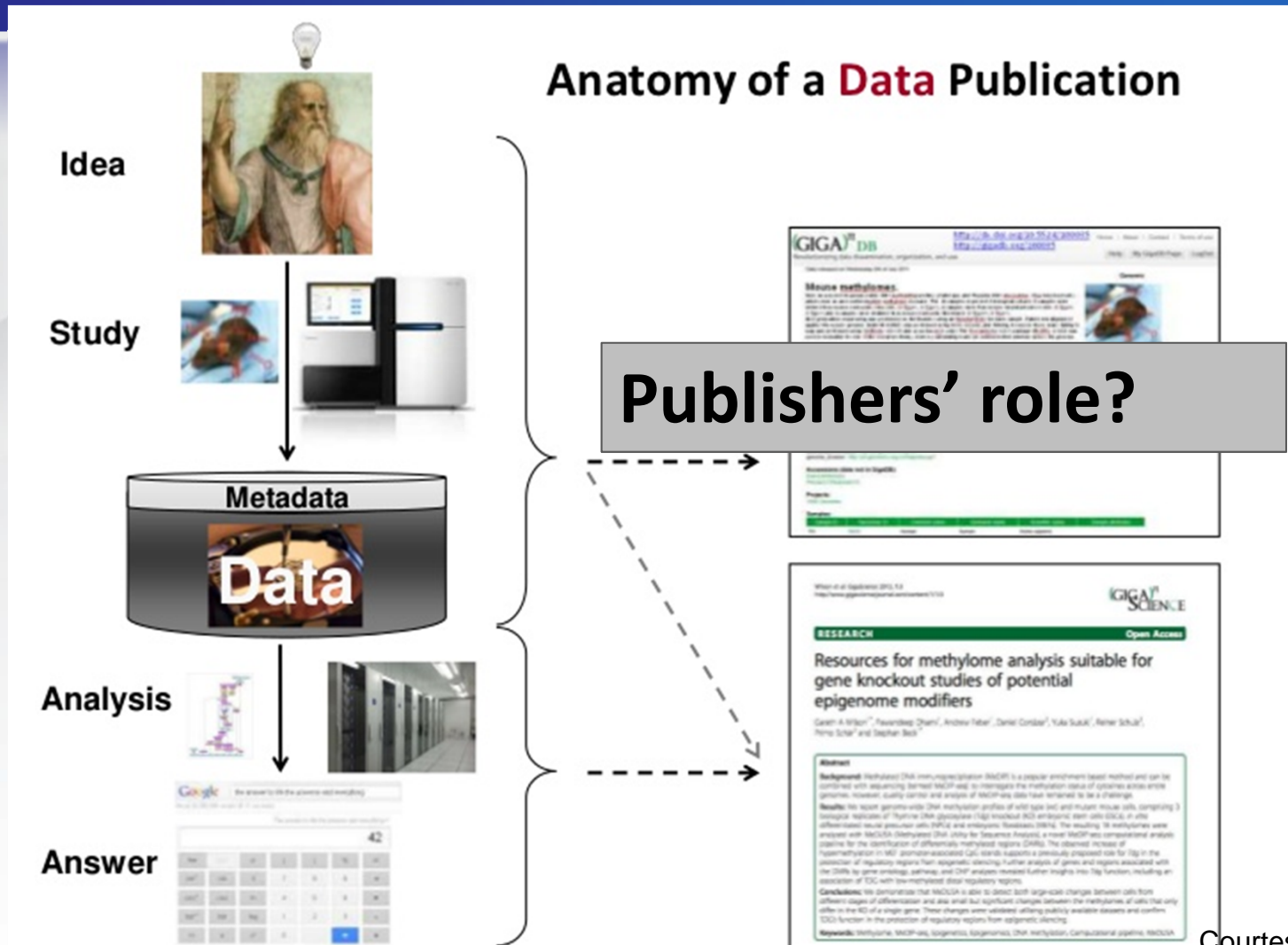


# “Enhanced” publications

- A publication in context
  - Semantic links to funding, data, publications, ...
- Cross-discipline model
  - EBI-EMBL, DANS, BADC
  - No one-size fits all
  - Export to other data infrastructures







Courtesy of Scott  
Edmunds @  
Gigascience



# An Eye on Research Practice



*“Forget PDFs, imagine an ideal publication where you click on tables to get through to raw data, where you can... discuss ...and later update ...a paper in subsequent versions. The latter is similar to Wikipedia, actually.”*

– *PhD Student, UGOE*





# ,Orphan' Data Repository

## ○ Best-practice for institutional data repositories

„For open access repositories, technology and infrastructure preceded policy. First impressions are that for data repositories this will be the other way around“

Steve Hitchcock

30.5.12, Datapool.soton.ac.uk



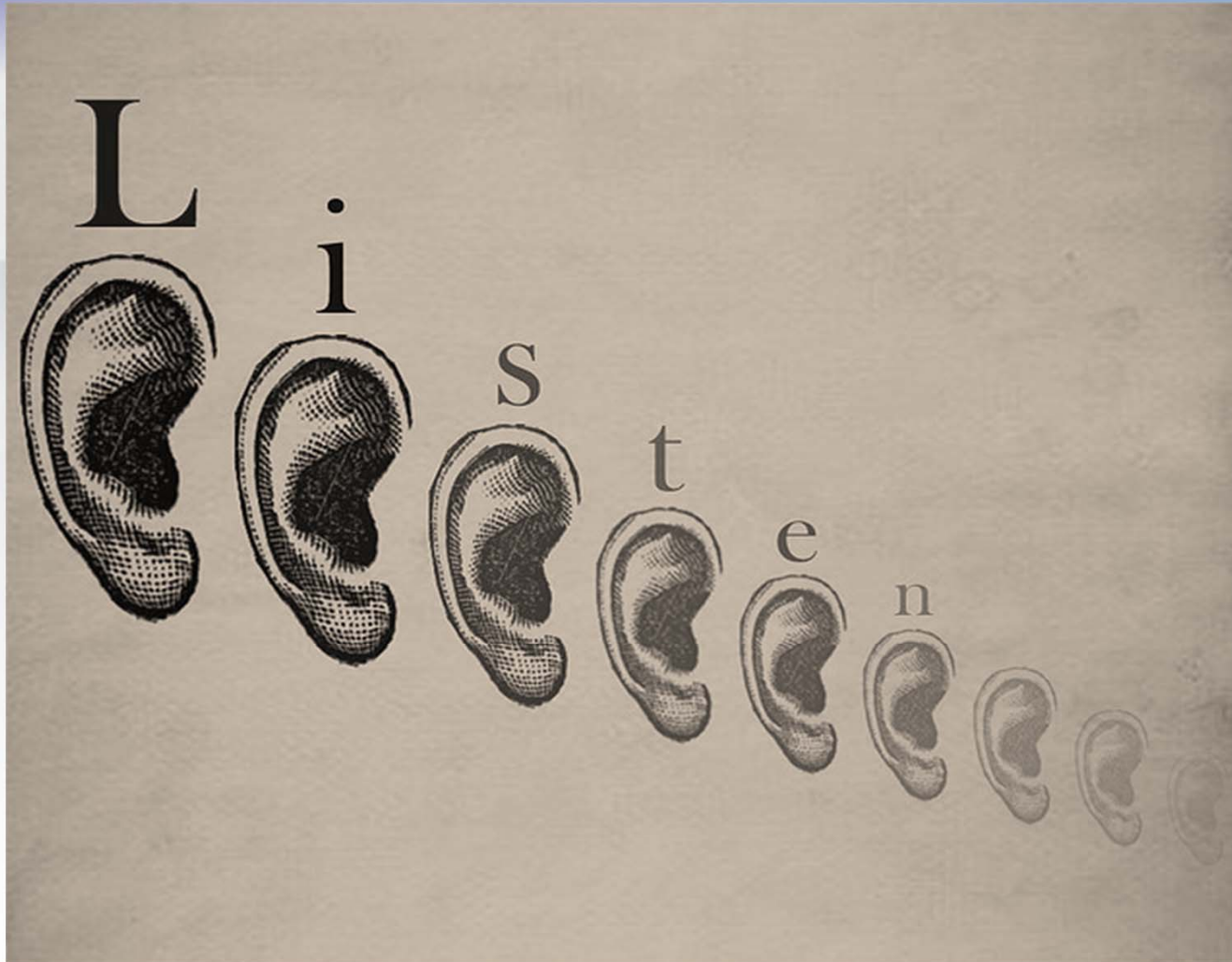


# The Challenges

- Sharing data? No thanks. Maybe Later.
- ,Powerless' to achieve open access
- Win the ,Hearts and Minds' of Researchers
  - Embed into their workflows



# Ear of the EC



<http://creativecommons.org/licenses/by/2.0/> by [ky\\_olsen](#)



# EC Open Access policies

- **2009:** FP7 OA Pilot and ERC OA guidelines
  - 20% of FP7 in seven scientific areas
- **2012:** EC Communication “Towards better access to scientific information: Boosting the benefits of public investments in research” (17th July)
  - Open Access of **all** publications in H2020
  - Pilot scheme on open access to and re-use of **research data** generated by projects in selected areas of H2020.
- **2012:** EC Recommendation on access to and preservation of scientific information (17th July)
  - Member states should define clear policies for Open Access to results of publicly funded research (publication & data)



# Reasons to be Positive

- Lower barriers
- Harmonisation
  - Increase in OAI-PMH repositories
  - 1,200 OA IR's in OpenDOAR (up 40%)
- We have a Voice (and it's pro-repository..)
- Data is now „mainstream“, taking libraries with us



# Today....

- Embedding the Workflows
- What sort of advocacy? Stakeholders?
- Effect of a strong mandate
- Role of data, identify data initiatives



# Thank you!

[www.openaire.eu](http://www.openaire.eu)



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[facebook.com/groups/openaire](https://facebook.com/groups/openaire)



[linkedin.com/groups/OpenAIRE-3893548](https://linkedin.com/groups/OpenAIRE-3893548)



# OA FP7 evaluation – so far

	FP7 publications	From total of	Projects	OA	Notes
OpenAIRE portal	3180	-	350	95%	From OA harvesting
PUMA	463	58,763	78	40%	
ArXiv	4501	313,391	863	100%	Searched everything published after 2007
UKPMC	608	242,407	388	100%	Open Access set +350 FP7 publications with no referral to Grant Agreement (ERC)
Other sources	17,472	70,079	3496	12%	2,267 OA publications (DOAJ) 937 publications with no DOI 1230 <i>duplicated in ArXiv</i>
<b>Total</b>	<b>27,180</b>	<b>684, 640</b>		<b>35-40%</b>	<b>Total Open Access ~10,000</b>



# Usage of FAQs

- Total hits: 41,004
  
- Top 10 questions (category / hits):
  1. What is a License to Publish? (For Researchers / 7,461)
  2. What is a subject based or thematic repository? (General Info / 5,374)
  3. What is an Institutional Repository? (General Info / 5,232 )
  4. What is OAI-PMH? (For Repository Managers / 4,743)
  5. What is self-archiving or Green Open Access? (For Researchers / 4,003)
  6. What is an Open Access Journal and where can I find them? (General Info / 3,780)
  7. What should I do if the publisher does not allow me to archive my article? (For Researchers / 317)