



# OpenAIRE

Open Access Infrastructure for Research in Europe

*OpenAIREplus* : Ευρωπαϊκό πρόγραμμα διασύνδεσης δημοσιεύσεων και ερευνητικών δεδομένων

**Βασιλική (Σύλβια) Β. Κουκουνίδου**

*Βιβλιοθήκη Πανεπιστημίου Κύπρου, Λευκωσία*

Αξιοποίηση νέων τεχνολογιών και εφαρμογή τους στα κυπριακά κέντρα πληροφόρησης

Διημερίδα ΚΕΒΕΠ & ΒΠΚ, 8 Νοεμβρίου 2012



# Περιεχόμενα

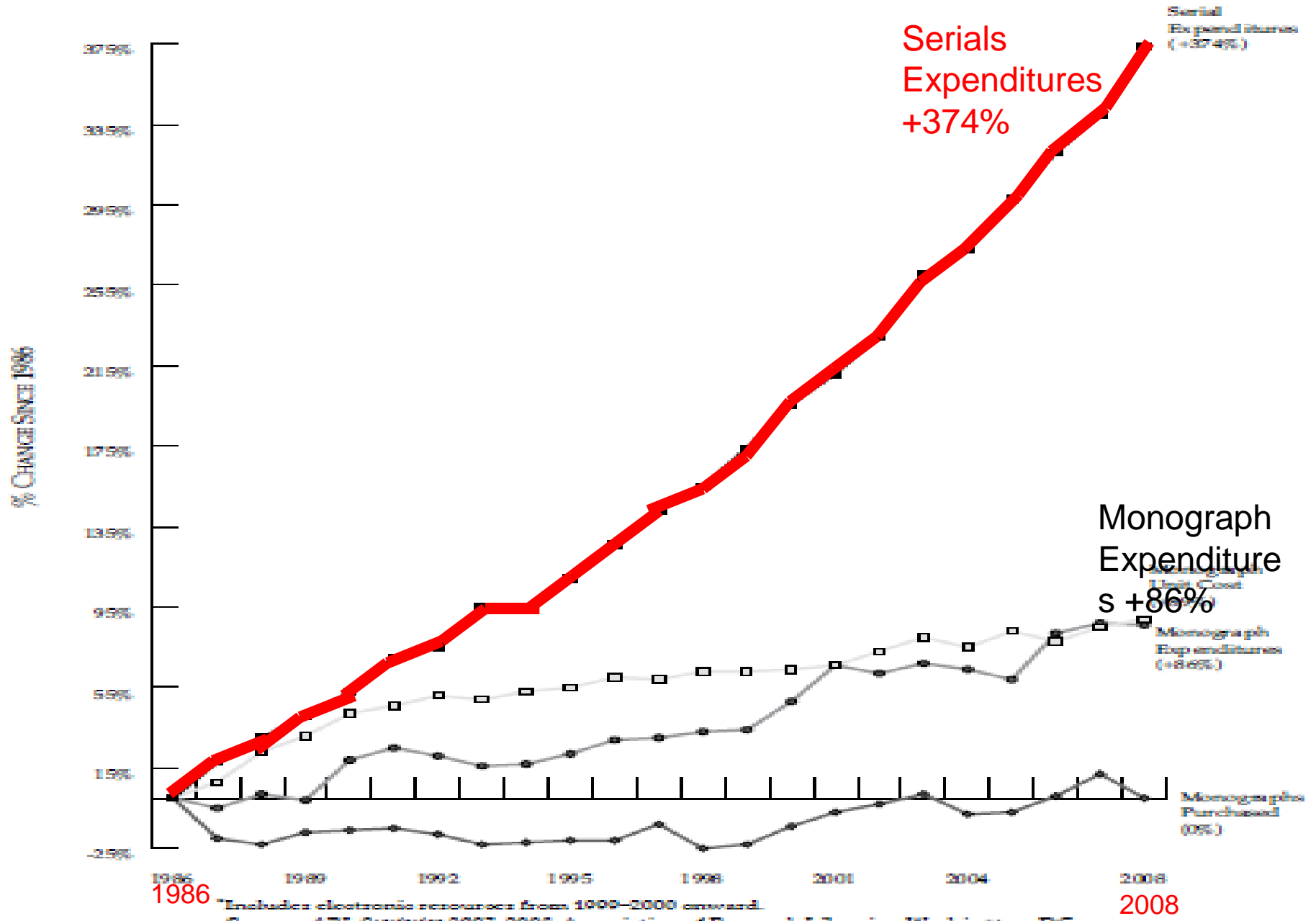
- Η πορεία προς την Ανοικτή πρόσβαση
- OpenAIRE/plus
  - Δράσεις του προγράμματος
- Θέματα προς αντιμετώπιση
- Το Όραμα
- Ορίζοντας2020



# Η πορεία προς την Ανοικτή Πρόσβαση



# MEDIAN MONOGRAPH AND SERIAL EXPENDITURES IN ARL LIBRARIES, 1986–2008\*





# Ευρωπαϊκό Συμβούλιο Έρευνας (ERC)

Δεκέμβριος 2007

## Το Ευρωπαϊκό Συμβούλιο Έρευνας

- εκδίδει [Guidelines for Open Access](#), ως επακόλουθο της δήλωσης του 2006 για την Ανοικτή πρόσβαση.
- ζητά : όπως όλες οι peer-reviewed εκδόσεις από ερευνητικά προγράμματα που χρηματοδοτήθηκαν από το ERC- να κατατεθούν σε ένα σχετικού θεματικού αντικειμένου ιδρυματικό αποθετήριο και κατ' επέκταση να είναι ελεύθερα προσβάσιμες μέσα σε έξι μήνες από την δημοσίευσή του.

Research Horizon Grant  
SOCIETY



### ERC Scientific Council Guidelines for Open Access

17 December 2007

1. Scientific research is generating vast, ever increasing quantities of information, including primary data, data structured and integrated into databases, and scientific publications. In the age of the Internet, free and efficient access to information, including scientific publications and original data, will be the key for sustained progress.
2. Peer-review is of fundamental importance in ensuring the certification and dissemination of high-quality scientific research. Policies towards access to peer-reviewed scientific publications must guarantee the ability of the system to continue to deliver high-quality certification services based on scientific integrity.
3. Access to unprocessed data is needed not only for independent verification of results but, more importantly, for secure preservation and fresh analysis and utilisation of the data.
4. A number of freely accessible repositories and curated databases for publications and data already exist serving researchers in the EU. Over 400 research repositories are run by European research institutions and several fields of scientific research have their own international discipline-specific repositories. These include for example PubMed Central for peer-reviewed publications in the life sciences and medicine, the arXiv Internet preprint archive for physics and mathematics, the DDBJ/EMBL/GenBank nucleotide sequence database and the RSCB-PDB/MSD-EBI/PDB protein structure database.
5. With few exceptions, the social sciences & humanities (SSH) do not yet have the benefit of public central repositories for their recent journal publications. The importance of open access to primary data, old manuscripts, collections and archives is even more acute for SSH. In the social sciences many primary or secondary data, such as social survey data and statistical data, exist in the public domain, but usually at national level. In the case of the humanities, open access to primary sources (such as archives, manuscripts and collections) is often hindered by private (or even public or nation-state) ownership which permits access either on a highly selective basis or not at all.

Based on these considerations, and following up on its earlier Statement on Open Access (Appendix 1) the ERC Scientific Council has established the following interim position on open access:

1. The ERC requires that all peer-reviewed publications from ERC-funded research projects be deposited on publication into an appropriate research repository where available, such as PubMed Central, ArXiv or an institutional repository, and subsequently made Open Access within 6 months of publication.
2. The ERC considers essential that primary data - which in the life sciences for example could comprise data such as nucleotide/protein sequences, macromolecular atomic coordinates and anonymized epidemiological data - are deposited to the relevant databases as soon as possible, preferably immediately after publication and in any case not later than 6 months after the date of publication.

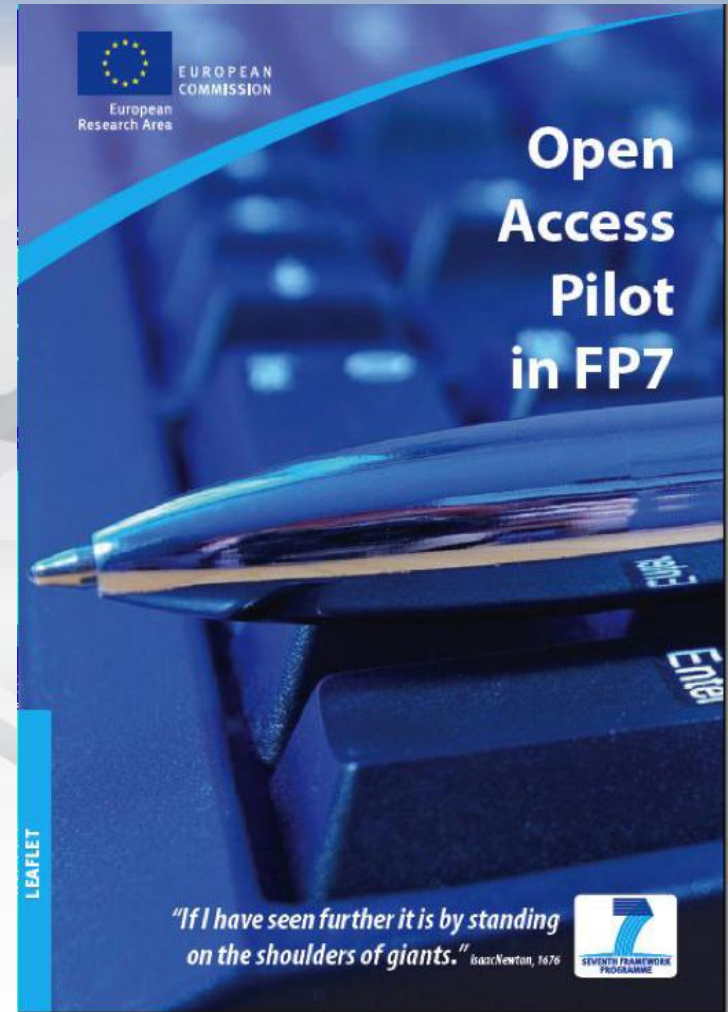
The ERC is keenly aware of the desirability to shorten the period between publication and open access beyond the currently accepted standard of 6 months.



# Open Access Pilot in FP7

Αύγουστος 2008

- Η Ευρωπαϊκή επιτροπή παρουσιάζει το [Open Access Pilot in FP7](#) το οποίο θα ισχύει μέχρι και το τέλος του προγράμματος πλαισίου
- Καλύπτει σχεδόν το 20% του προϋπολογισμού του 7<sup>ου</sup> προγράμματος πλαισίου και ισχύει σε 7 θεματικές ενότητες:
  - 1. Ενέργεια
  - 2. Περιβάλλοντος (συμπεριλαμβανομένων των Κλιματολογικών αλλαγών)
  - 3. Υγεία
  - 4. Πληροφορική και Τεχνολογίες επικοινωνιών (Cognitive Systems, Interaction, Robotics)
  - 5. Υποδομή έρευνας (e-infrastructures)
  - 6. Κοινωνικές επιστήμες
  - 7. Κοινωνικοοικονομικές και ανθρωπιστικές επιστήμες.





# Open Access Pilot in FP7

- Προγράμματα που έχουν υπογραφεί μετά τον Αύγουστο του 2008, στα πλαίσια αυτών των 7 ενοτήτων, περιλαμβάνουν το Special Clause 39, το οποίο ζητά από τους εμπλεκόμενους:
  - 1.να καταθέσουν τα άρθρα των ερευνητικών τους αποτελεσμάτων που χρηματοδοτήθηκαν από το FP7 σε ιδρυματικό ή θεματικό αποθετήριο.
  - 2.να γίνει ότι είναι δυνατόν για να υπάρχει ανοικτή πρόσβαση σε αυτό το υλικό μέσα σε 6 μήνες για τους τομείς της Ενέργειας, Περιβάλλοντος, Υγείας, Πληροφορικής και Τεχνολογιών επικοινωνιών και της υποδομής έρευνας ή σε 12 μήνες για τους τομείς των Κοινωνικών, Κοινωνικοοικονομικών και Ανθρωπιστικών επιστημών.





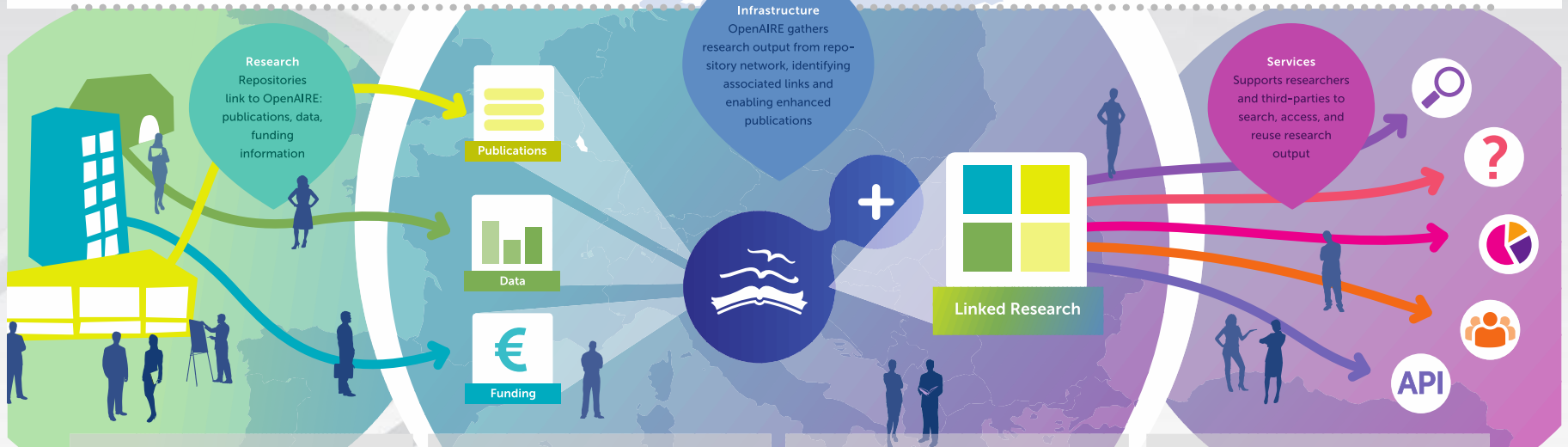
OpenAire/plus







# Supporting Open Science in Europe



## Who benefits from OpenAIRE?

- EU researchers who access, deposit and link to research output
- National Open Access initiatives
- Repository managers
- Policy makers and funders who monitor funded work
- Publishers who wish to raise visibility of output
- Potential data providers who want to explore linking up their research

## What is OpenAIRE?

- A Participatory European Open Access infrastructure to manage scientific publications and associated information via repository networks
- Harvests and indexes FP7 Open Access publications
- Harvests subsets of related data, and other contextual information, cross-linking them to demonstrate *Enhanced Publications*
- The OpenAIRE portal provides a suite of services
  - deposit and access
  - guidelines and a helpdesk
- OpenAIRE runs a series of workshops, and produces reports on Open Access issues

## Why is OpenAIRE important?

- By facilitating Open Science and Open Access, OpenAIRE allows scientists to access, reuse and enhance and research output
- OpenAIRE provides a cross-discipline support service for European Scientists
- Tools such as publication usage statistics
- OpenAIRE is based on
  - versatile technology and innovative research
  - European outreach effort which advocates Open Access

## Who is OpenAIRE?

- OpenAIRE is an FP7 funded project, now in its second phase of funding until May 2014
- 41 project partners include 3 scientific communities: EBI, DANS and BADG
- Collaboration with EuroCRIS, EUDAT, DataCite, COAR, LIBER, SPARC Europe
- **Contact**  
Project Coordinator:  
Mike Hatzopoulos, mike@di.uoa.gr
- [www.openaire.eu](http://www.openaire.eu)



# Η πύλη

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How to deposit    Open Access & EC Pilot    Support    National OA Desks    News & Events    About the Project

### Open Access



Open Access is the immediate, online, free availability of research outputs without restrictions on use commonly imposed by publisher copyright agreements. It concerns the outputs that scholars normally give away free to be published – peer-reviewed journal articles, conference papers and datasets of various kinds. [Learn more...](#)

### Open Access in Europe



Two main European OA initiatives are in progress which will improve access to, and will accelerate the research and discovery process:

- [Open Access Pilot in FP7: Read more...](#)
- [ERC Scientific Council Guidelines for Open Access: Read more...](#)

### Supporting OA deposition



OpenAIRE has set up a Helpdesk to answer your questions about the FP7 pilot and ERC OA guidelines, and on depositing Open Access publications.

[Check out our FAQ](#) or post your question to our [Helpdesk](#).

### Latest News

OpenAIRE releases version 1.0 of the OpenAIRE Guidelines 31/08/2010

The OpenAIRE Guidelines 1.0 provide orientation for repository managers to define and implement their local data management policies.

20 FEBRUARY 2010

### European Countries join forces to realize the EC Open Access pilot: OpenAIRE

OpenAIRE (Open Access Infrastructure for Research in Europe), a three-years project funded under the 7<sup>th</sup> Framework Programme of the European Commission, has now taken up its work to implement Open Access on a pan-European scale. This ambitious effort unites 38 partners from 27 European countries.

Αξιοποίηση νέων τεχνολογιών και εφαρμογή τους στα κυπριακά κέντρα πληροφορίας - 8/11/2012



# ΟΑ FP7 αξιολόγηση – μέχρι τώρα...

	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>



# OpenAIREplus – μέρος 2<sup>ο</sup>



- Δεκ, 2011, 30 μήνες, 33 χώρες
- Βάση το OpenAIRE
- **Διασύνδεση** των δημοσιεύσεων Ανοικτής Πρόσβασης με ερευνητικά δεδομένα
- **Διασύνδεση** με χρηματοδοτήσεις εκτός του 7<sup>ου</sup> ΠΠ
- Εντοπισμός / Επαναχρησιμοποίηση / Αξιοποίηση



# Κύρια σημεία του προγράμματος



## Τεχνικά

- Δημιουργία της υποδομής
- Σύνδεση δημοσιεύσεων και δεδομένων



## Δικτύωση

- Προώθηση της υπηρεσίας
- Δέσμευση των χρηστών



## Υπηρεσίες

- Λειτουργικότητα σύμφωνα με τις ανάγκες των χρηστών
- Υποστήριξη, στατιστικά, χρήση



# Θέματα προς αντιμετώπιση...

- Διαφορετικά περιβάλλοντα έρευνας σε κάθε κράτος μέλος
- Προσέγγιση των:  
χρηστών, ερευνητών, πρωτοβουλιών έρευνας
- Να κερδίσει η ΑΠ την εμπιστοσύνη των ερευνητών
- Μη διάθεση των ερευνητών για παράθεση των δεδομένων τους
- Κατανόηση του όρου ΔΕΔΟΜΈΝΑ (DATA) !!!!!

>> Δημιουργία δικτύου ανθρώπων για ανταλλαγή γνώσεων και εμπειριών.



# Ποιοί πρέπει να έχουν εμπλοκή

FUNDER

POLICY MAKER

PUBLISHER

REPOSITORY MANAGER

**Open Access in Europe**

**The European Open Access Policy**

- To grant approval and support for publications
- To enable future research in one of seven selected subject areas: Energy, Environment (including Climate Change), Health, Information and Communication, Technology, Transport Infrastructure, and Agriculture, Science in Society, Social Sciences, Sciences and the Humanities
- Has a grant agreement signed after August 2010 (see Special Clause 35)
- Specifically, the EC requires researchers to deposit their work in a public domain

**EU Scientific Communication Open Access Policy**

The EC's Scientific Communication Open Access Policy (EC SCOP) requires researchers to deposit their work in a public domain in order to ensure maximum visibility and accessibility of their research.

**Open Access in Europe**

Open Access in Europe is a policy that requires researchers to deposit their work in a public domain in order to ensure maximum visibility and accessibility of their research.

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## Scholarly Communication News

OpenAIRE Quarterly Publication  
Thursday, 31 May 2012

OpenAIRE News

### OpenAIREplus: Linking Publications with Datasets and Funding

Many of the OpenAIRE community, and some new faces, were at the kick-off of OpenAIREplus in Pisa last December, a collaborative and lively occasion. Now the hard work starts! The project so far: The European partner data landscape has been surveyed, and the technical team are working hard on the new OpenAIREplus data model.

[Read more](#)

### OpenAIRE's New Study: Subject-Specific Requirements for Open Access Infrastructure

Publication

This study addresses subject-specific requirements for research infrastructure with a focus on the influences of Open Access (OA). OA is treated in a broad sense covering open access to literature, open data and open science. The study takes a pragmatic case-based approach with six partners (institutions and organisations) providing their subjective view on OA infrastructure.

[Read more](#)

### Usage Statistics in the OpenAIRE portal

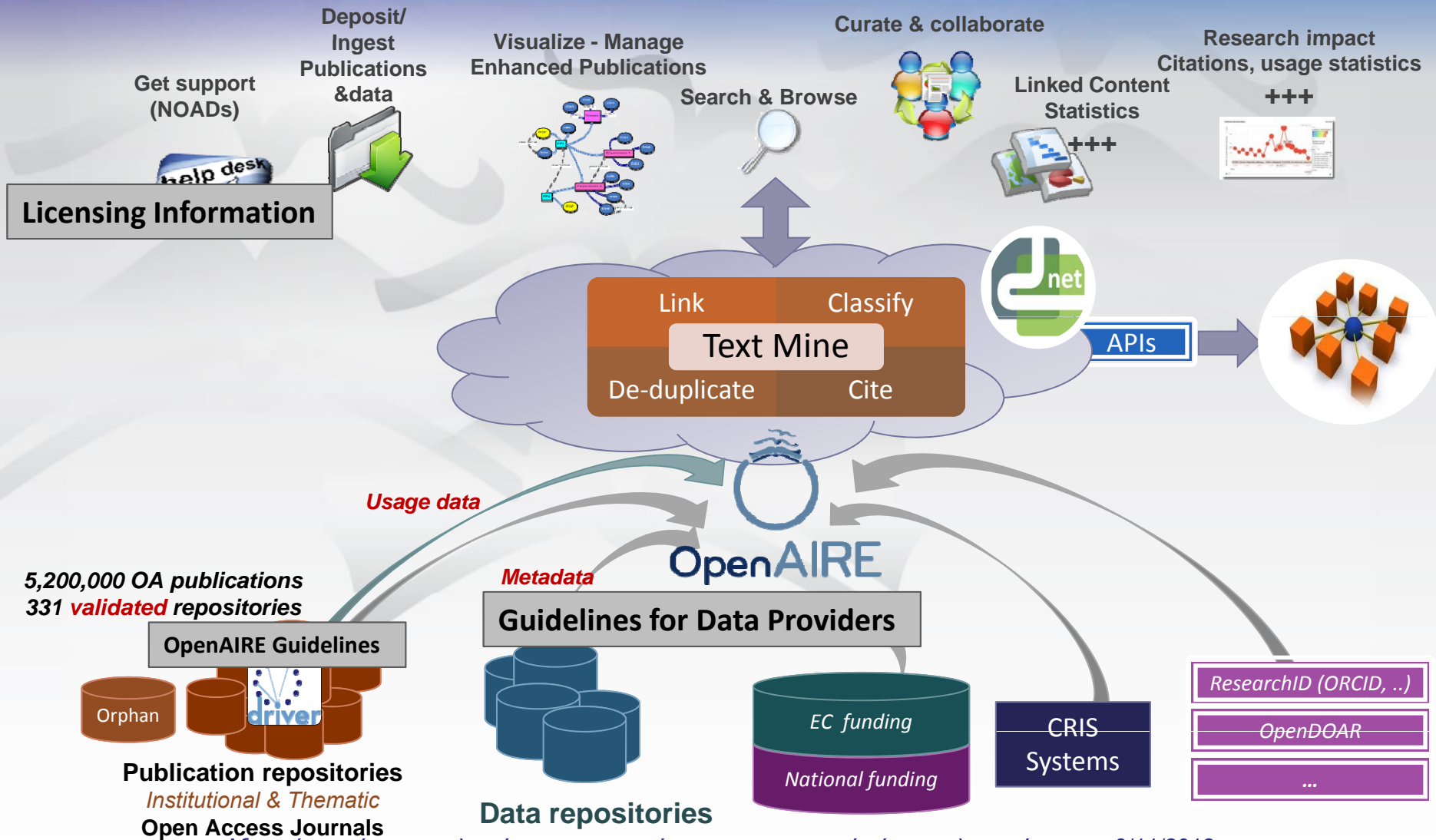
Measuring different impacts of research is of great value to a range of stakeholders: funders, publishers, researchers. The new version of the OpenAIRE portal (keep an eye out for the new launch) will deliver a service which will enable researchers to visualise, via their local repository, usage statistics for articles, for example how often a particular article of theirs has been downloaded in a user-friendly graph visual.

[Read more](#)

OpenAIRE Workshop on "Linking Open Access publications to data – policy development & implementation"



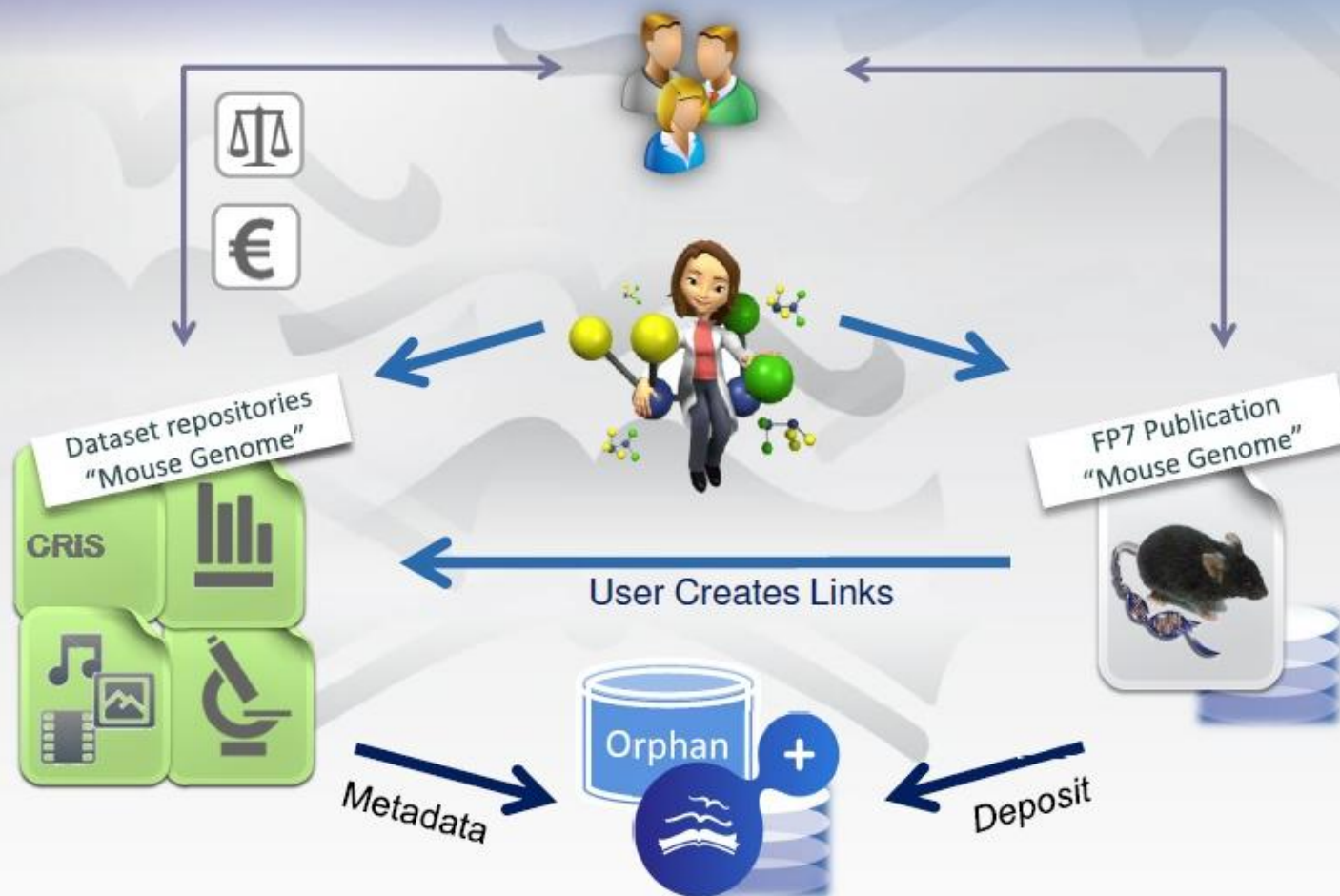
# Services/Data Model







# Το όραμα





# Ορίζοντας 2020

- OpenAIRE: Δημιουργία υποδομής για την ΑΠ
- Ανάπτυξη των αποθετηρίων
- Ανάπτυξη υπηρεσιών των αποθετηρίων
- Τα δεδομένα είναι τώρα η τάση που επικρατεί και θα επικρατήσει: δημιουργία συνδέσμων προς τα σχετικά τους στοιχεία
- Ανθρώπινη υποδομή γνώσεων: από το εθνικό στο παγκόσμιο
- Ανάπτυξη συνεργασιών με τους εκδότες
- Επίδραση στη ροή της χρηματοδότησης (will be the key)
  - Με μετρήσεις, στατιστικά και την τάση της επιστήμης
- Χρηματοδότες: Επένδυση και στην εναρμόνιση σε όλα τα επίπεδα της έρευνας



*Ευχαριστώ πολύ για την  
προσοχή σας!*


Questions

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*Βασιλική (Σύλβια) Β. Κουκουνίδου*   
*Βιβλιοθήκη Πανεπιστημίου Κύπρου*  
*[Koukounidou.v@ucy.ac.cy](mailto:Koukounidou.v@ucy.ac.cy)*



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Some slides by D. Castelli, N. Manola, N. Rettberg

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