7th European Computer Science Summit
7-9 November 2011, Milan, Italy

Open Access for and based on Informatics R&D

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Open Access for Informatics R&D

Informatics R&D

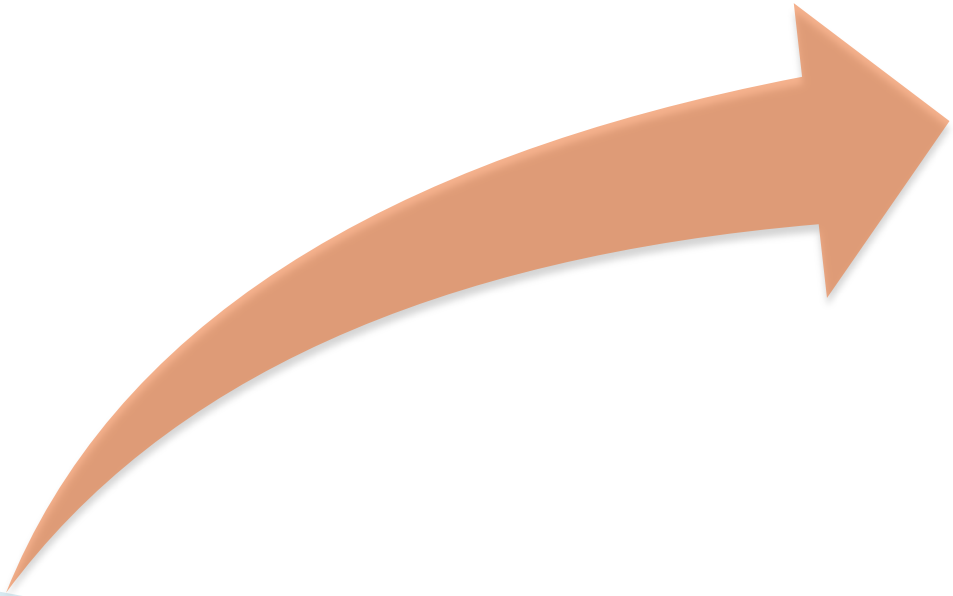
- **Systems**
  - Development frameworks
  - Testing environments
  - e-Infrastructures
  - Simulation environments
  - Innovative User Applications
  - …

Mostly developed by reuse, integration and extension of existing solutions

Observation 1:
Comprehensive scientific communication

Observation 2: fastly evolving domain

- Papers become obsolite very soon
- In many cases there is no time to write papers



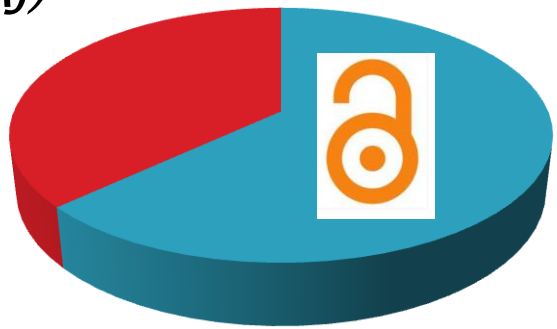
Scientific communication instruments

- De-facto instruments
  - Web pages
  - Wikis
  - Discussion forums
  - e-mailing lists
  - Sw distribution sites
  - ……

Mostly Open Access

- **304 open access CS journals**

  Directory of Open Access Journals (DOAJ)
  http://www.doaj.org/




Open Access based on Informatics
R&D

Berlin Declaration

"A complete version of the work and all supplemental materials, including a copy of the permission as stated above, in an appropriate standard electronic format is deposited (and thus published) in at least one online repository using suitable technical standards (such as the Open Archive definitions) that is supported and maintained by an academic institution, scholarly society, government agency, or other well established organization that seeks to enable open access, unrestricted distribution, inter operability, and long-term archiving."

Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities, 22 October 2003, Berlin

DRIVER & OpenAIRE

- DRIVER – Digital Repository Infrastructure for European Research
  - 5.710.000 documents
  - in 314 repositories
  - from 42 countries

  http://search.driver.research-infrastructures.eu/

- OpenAIRE – EU Pilot for supporting Special Clause 39

  http://www.openaire.eu/

Many open challenges

- How to represent and manage digital objects able to support multifacet scientific communication?
- How to model and digitally represent policies?