POSSIBLE MODELS OF SCHOLARLY PUBLISHING AND LIBRARY ROLE

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Scholarly journal (print/electronic)

Registration establishing the intellectual priority of an idea, concept, or research

Certification certifying the quality of the research and/or the validity of the claimed finding

Awareness ensuring the dissemination and accessibility of research, providin a means by which researchers can become aware of new research

Archiving preserving the intellectual heritage for future use

Registration

Awareness

Certification

Archiving

Each future model will also have to ensure fulfillment of all four functions, but particular functions will be carried out by different instances: authors, academic institutions, professional societies, journals, eprint archives, librarians.

(1) Crow, R. (2002) The Case for Institutional Repositories: A SPARC Position Paper [Internet]. Washington, The Scholarly Publishing & Academic Resources Coalition.

Available from: http://www.arl.org/sparc/IR/IR_Final_Release_102.pdf [Accessed 5 May, 2003]

Scientific journals have been major means of scholarly communication throughout last three centuries. Disadvantages of (both printed and electronic) journals:

-expensiveness,

should raise the

awareness

of the academic community

regarding problems

and opportunities

in scholarly communication

as promoters of open

access to scientific

information,

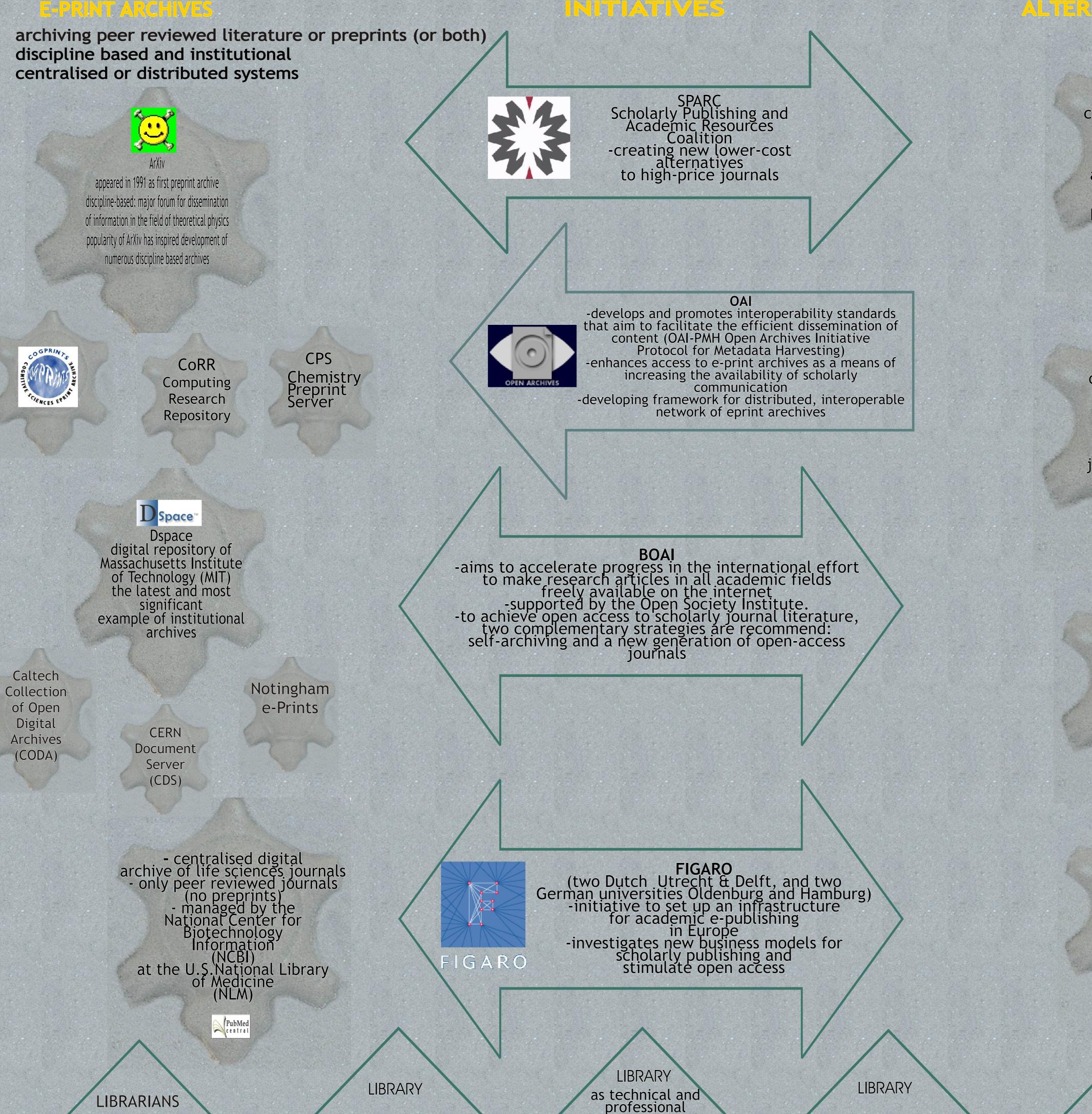
helping scientists to

regain control over

scientific publishing

-time-consuming editing and publishing process
-delays of content delivery, i
-inflexibility,
-complicated mechanisms of acquisition, access and archiving.
Dissatisfaction with current model: "serial crisis"

Emergence of Internet (and especially World Wide Web) has brought new possibilities for profound transformation of scientific communication process. New models are far more heterogeneous and flexible, and are taking full advantage of new online media. There are two main categories:



support to emerging

systems (records management,

metadata

creation, classification

schemes, preservation,

applying standards, etc.)

Responsibility to store,

preserve and provide access

to digital scientific output

through institutional

archives

of the "mother institution"

ALTERNATIVE JOURNALS



BioMed Central

commercial publisher of biomedical literature
open (free) access
journals long-term
archiving is ensured
by PubMed Central
innovative business,
plan: "author pays" model



collaboration of non-profit publishing organisations orovides an inexpensive vehicle to convert existing print journals to electronic form pricing model based on cost



promoting openaccess publishing in life sciences and medicine funding model similar to BMC

DOAJ - Directory of Open Access Journals - comprehensive directory of all quality controlled open-access journals

LIBRARIANS

(among others) need to invent new and better tools for evaluating scientific performance (existing tools are hindering open access)