

building the research web: open access content

kaitlin thaney
program manager, science commons
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the “**research web**”

making the web work better for science

integrating disparate knowledge sources

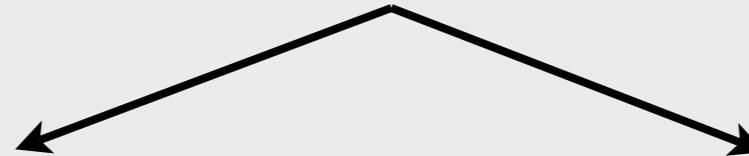
make better use of existing information
in the digital form

the research web

Open Access Content



 science
commons



Open Access Research
Materials

Open Source Knowledge
Management

the research web

Open Access Content



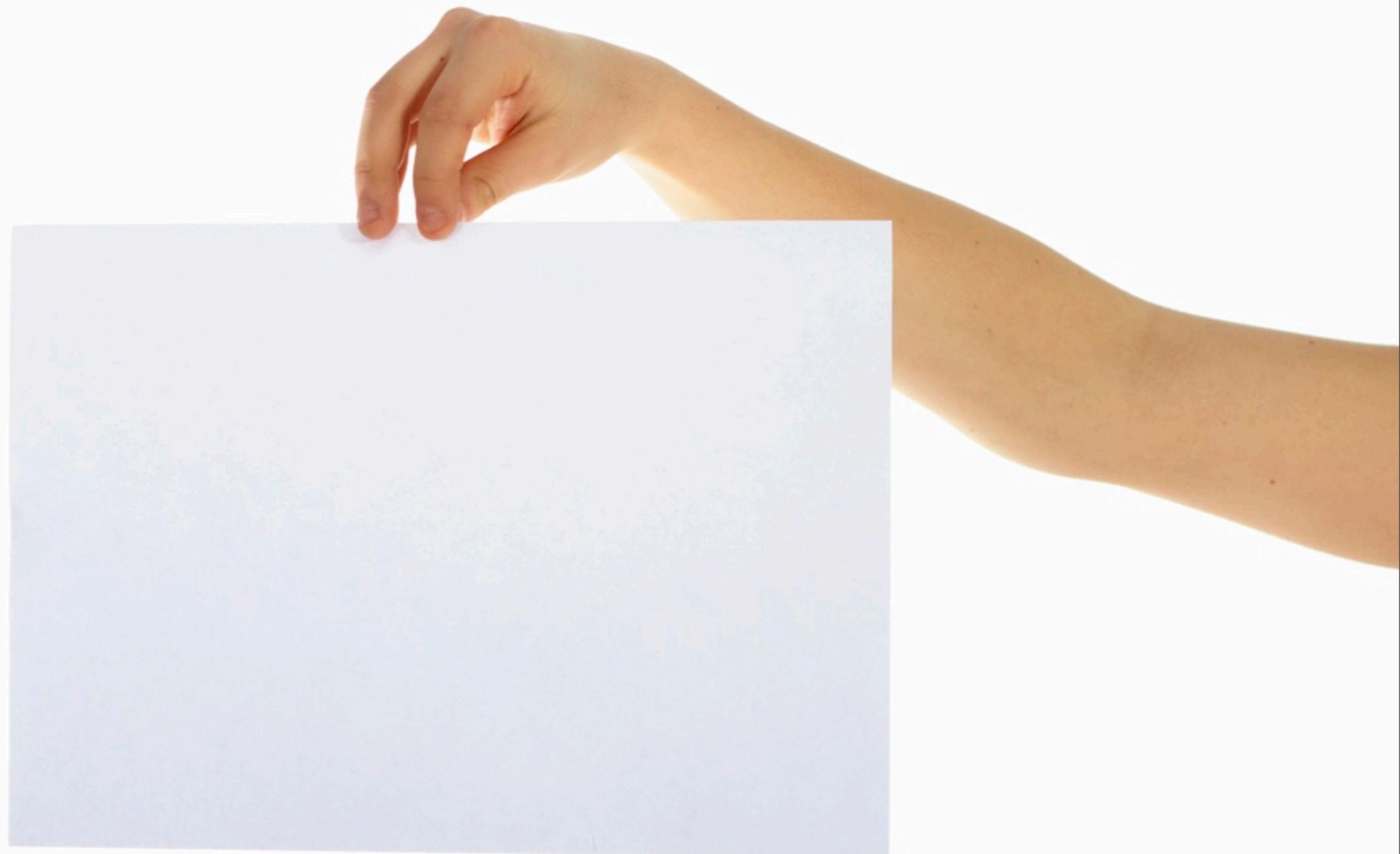
 science
commons

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step one

... it all starts with the scholarly
content ...

transition from “paper metaphor”



scholarship entrenched in idea of transmitting knowledge via paper

mentality reflected even in the way we describe “papers”

static, one-dimensional documents

in the digital world, “papers” can become living, breathing works

no longer static PDF documents

linking to data sets, other relevant papers, information, plasmids, genes

need to change the way we think of
scholarly publishing

paradigm shift

begin thinking of “papers” as
containers of knowledge

content needs to *legally* and
technically accessible

“papers”

IGFBP-5 plays a role in the regulation of cellular senescence via a p53-dependent pathway and in aging-associated vascular diseases

“networked knowledge”

IGFBP-5 plays a role in the
regulation of cellular senescence
via a p53-dependent pathway
and in aging-associated vascular
diseases

thinking of “papers” more as containers of
knowledge

copyright *locks* that container

Open Access (OA)
unlocks that container

Budapest Open Access Declaration



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(3) institutions

looking to implement OA policies

OA policy guides, white papers

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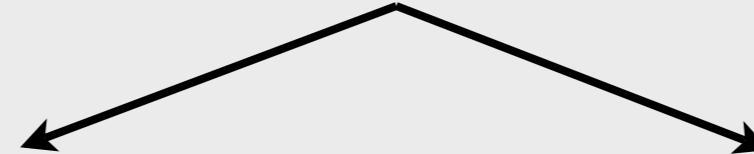
allows for “**snap together**” integration of the tools, data, and literature

the research web

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