The Turn to Researcher Workflow

Roger C. Schonfeld
@rschon | rcs@ithaka.org
April 27, 2018
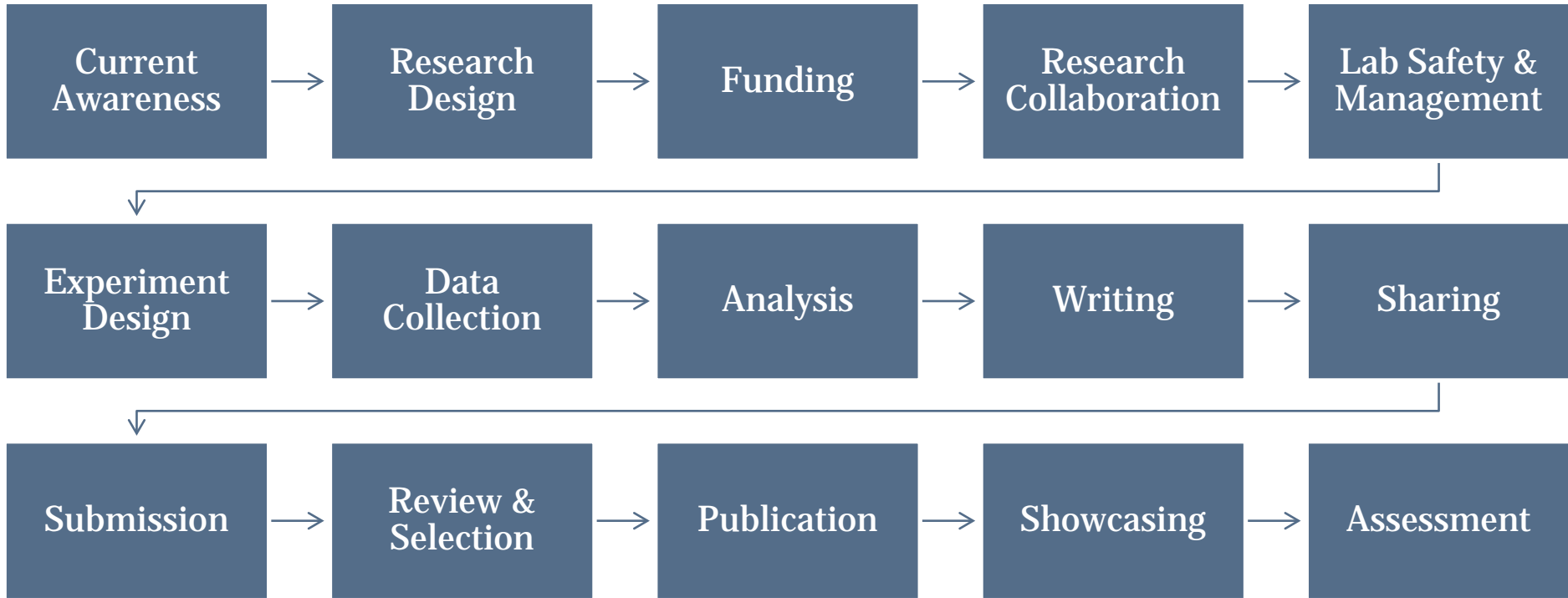
Content is giving way to workflow.

Should the research university outsource more core scholarly infrastructure? And if so to whom, and under what terms?

The largest publishers are becoming workflow providers. What strategies are available for those left behind?

The Rise of Workflow

Research workflow tools are of growing importance to scientific research and the universities that support it

Current Awareness	→	Research Design	→	Funding	→	Research Collaboration	→	Lab Safety & Management

Experiment Design	→	Data Collection	→	Analysis	→	Writing	→	Sharing

Submission	→	Review & Selection	→	Publication	→	Showcasing	→	Assessment

Several Heavyweights

Elsevier

Researcher Workflow

- Scopus, Citescore, Plum
- HiveBench
- Mendeley
- SSRN & bepress
- Opportunity to monetize data, control workflow, sell tools
- ClinicalKey (medicine), Knovel (engineering), Reaxys (chemistry)

Scopus

An eye on global research:
64M records. 21,548 titles. 5,000 publishers.

PLUM ANALYTICS

MENDELEY

hivebench

SSRN

bp bepress™

Elsevier

Business Process Tools

SciVal

Ready-to-use tools to analyze the world of research, and establish, execute and evaluate the best strategies for your research organization

Pure

Comprehensive research information management system to enable evidence-based decisions, promote collaboration, simplify administration and optimize impact.
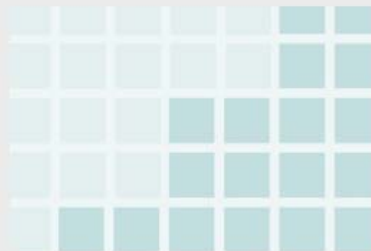
Analytical Services

Customized analysis, reports and services to meet your research management needs

SciVal Funding

Helps researchers, administrators and research development professionals find new funding opportunities

Expert Lookup

Expert Lookup helps you identify scientific experts in minutes.

Holtzbrinck

"Who Owns Digital Science?"

- Merger created second largest scientific publisher, IPO in 2018

- Digital Science was excluded, retained by Holtzbrinck/Macmillan

- Will it ultimately join Springer Nature?

See: https://scholarlykitchen.sspnet.org/2017/10/23/ownership-digital-science/

figshare

Figshare is a repository where users can make all of their research outputs available in a citable, shareable and discoverable manner.

LEARN MORE →

Overleaf

Overleaf is an online LaTeX and Rich Text collaborative writing and publishing tool.

LEARN MORE →

SYMPLECTIC

Symplectic's software helps researchers, librarians and their institutions collect, manage, analyse and showcase their research.

LEARN MORE →

GRID

Make sense of your institutional data with our database of the world's research organisations.

LEARN MORE →

readcube

Read, manage & discover new literature like never before.

LEARN MORE →

Dimensions

Dimensions provides in-depth analysis of ongoing research funding.

LEARN MORE →

BIORAFT

BioRAFT helps institutions get organized around researcher safety through its enterprise laboratory safety, compliance, and training

LEARN MORE →

labguru

Over 1000 labs trust Labguru to design experiments, organize their research data & manage their inventory.

LEARN MORE →

TETRASCIENCE

The world's top laboratories are more productive, more compliant, and more consistent with TetraScience.

LEARN MORE →

DIGITAL science Consultancy

Our consultancy team has the extensive industry experience to bring you the complete bespoke service.

LEARN MORE →

transcriptic

Transcriptic's revolutionary robotic lab generates the data you need quickly and reliably in the cloud.

LEARN MORE →

Peerwith

Peerwith is the marketplace for expert author services.

LEARN MORE →

ifi CLAIMS

IFI Claims are the patent data experts. Digital Science holds a minority investment in them.

LEARN MORE →

Altmetric

Altmetric allows users to track and measure activity around academic research

LEARN MORE →

Elsevier

Discovery → Analysis → Writing → Publication → Outreach → Assessment

Digital Science

Discovery → Analysis → Writing → Publication → Outreach → Assessment

Clarivate

Discovery → Analysis → Writing → Publication → Outreach → Assessment

Source: https://101innovations.wordpress.com/workflows/

Implications

Thank You

roger.schonfeld@ithaka.org

@rschon