

APPLYING FISHER'S FUNDAMENTAL THEOREM TO THE CHANGING SCHOLARLY COMMUNICATIONS ECOSYSTEM

CONCERT Meeting
November 8-9, 2017
Taipei, Taiwan

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FISHER'S FUNDAMENTAL THEOREM

The more adapted an organism becomes, the less adaptable it is to any new change

Fisher, R.A. (1930) *The Genetical Theory of Natural Selection*,
Clarendon Press, Oxford



SCHOLARLY ECOSYSTEM

Transition from print (in libraries) to digital (on networks)

Fundamental characteristics are changing from static to mutable and dynamic

The boundaries are expanding to include a wider context

Reconfiguration of stakeholder roles in the process

CONSOLIDATION IN TRADITIONAL SCHOLARLY PUBLISHING

Content businesses are impacted by lack of library funding, open access, social networks, and piracy

Content providers want to reposition themselves beyond the content business



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Revenue diversification is one key consideration



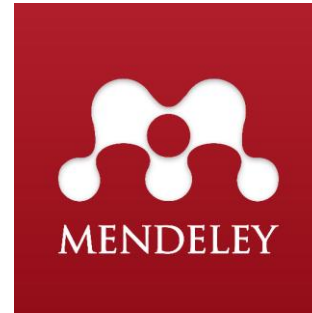
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CONSOLIDATION IN TRADITIONAL SCHOLARLY PUBLISHING

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Revenue diversification is one key consideration

The boundaries between content, analytics, discovery, workflow, and compliance may be collapsing

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LIBRARIES PUTTING MORE FOCUS ON SERVICES

Repositories

Library Publishing

Research Data Management

Text & Data Mining Services

Student Success

FACULTY AND STUDENT EXPECTATIONS EXPANDING

Seamless integration with **their** workflows

No access barriers

Access to **everything**

Preservation of **all** research outputs

Platforms that facilitate engagement

SEEKING COLLABORATION

Collection Development

Research Data Services

Contributed Collections

Open Access Publishing

Shared Preservation

LEVERAGING TECHNOLOGY

Digital Humanities Toolkits

Linked Data

JSTOR Labs Text Analyzer

Meta.com

Digital Humanities Commons

DEMANDING LONG-TERM PRESERVATION

Digital Preservation Network

Portico

DuraSpace

JISC Research Data Shared Services

SUMMARY

Push vs. Pull

Ability to invest in experimentation across the sector

Threat of incrementalism

Strategic Alignment

THANK YOU

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