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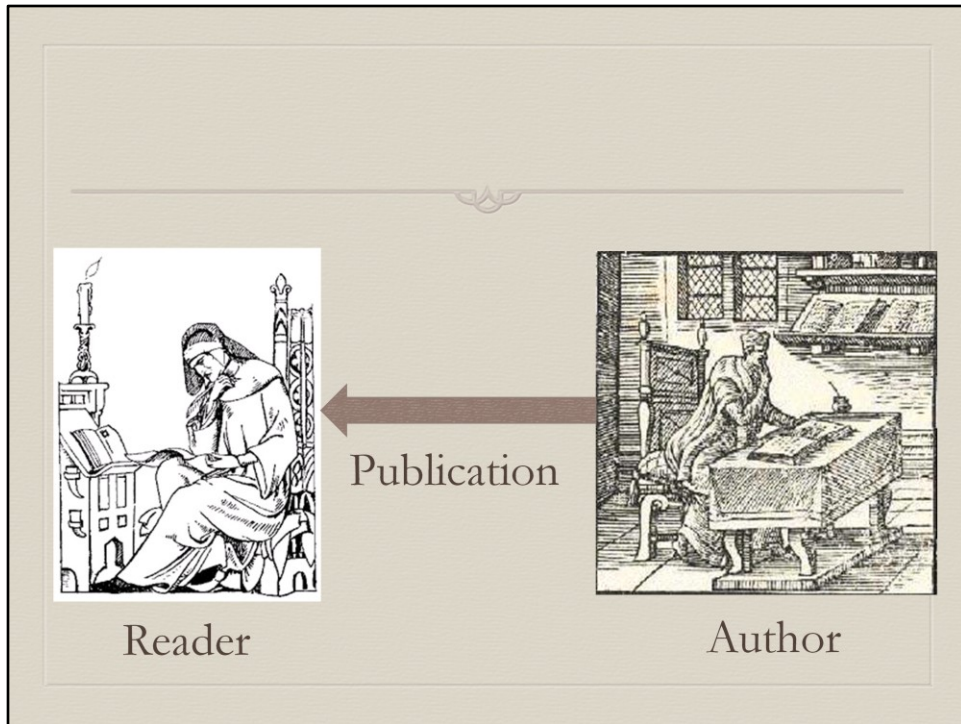
NATIONAL ACADEMY OF SCIENCES
May 15, 2013

☞ Rapporteur's Report

☞ P. Bryan Heidorn

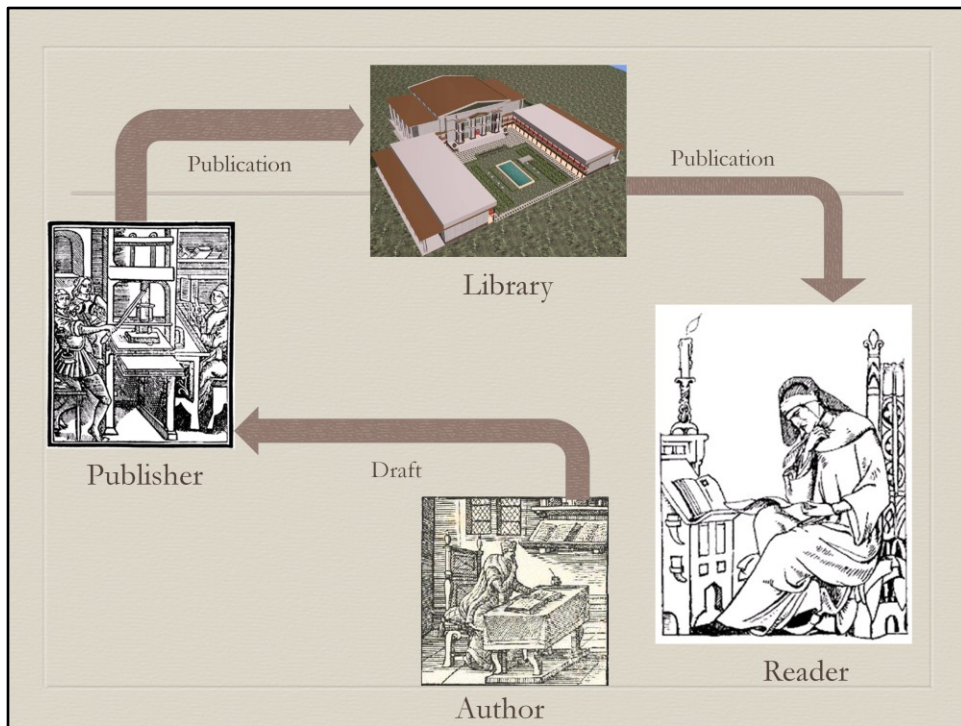
☞ University of Arizona

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<http://pinterest.com/pin/168251736050998748/>: Bibliothèque nationale de France, Français 1537, detail of f. 29v. Chants royaux sur la Conception, couronnés au puy de Rouen de 1519 à 1528. 16th century

Writing My Master's Words (detail), Alighieri Dante: "La Vita Nuova (The New Life)" (1910) http://bookcalendar.blogspot.com/2010_12_01_archive.html



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<http://www.utexas.edu/courses/introtogreece/cc301/anclibalexext.html>

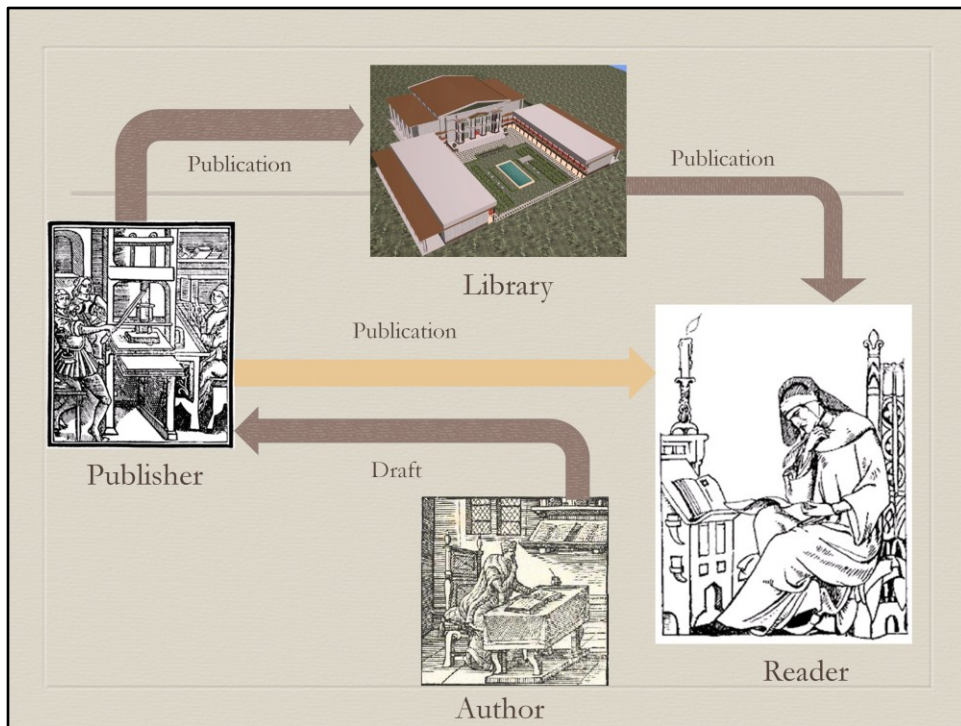
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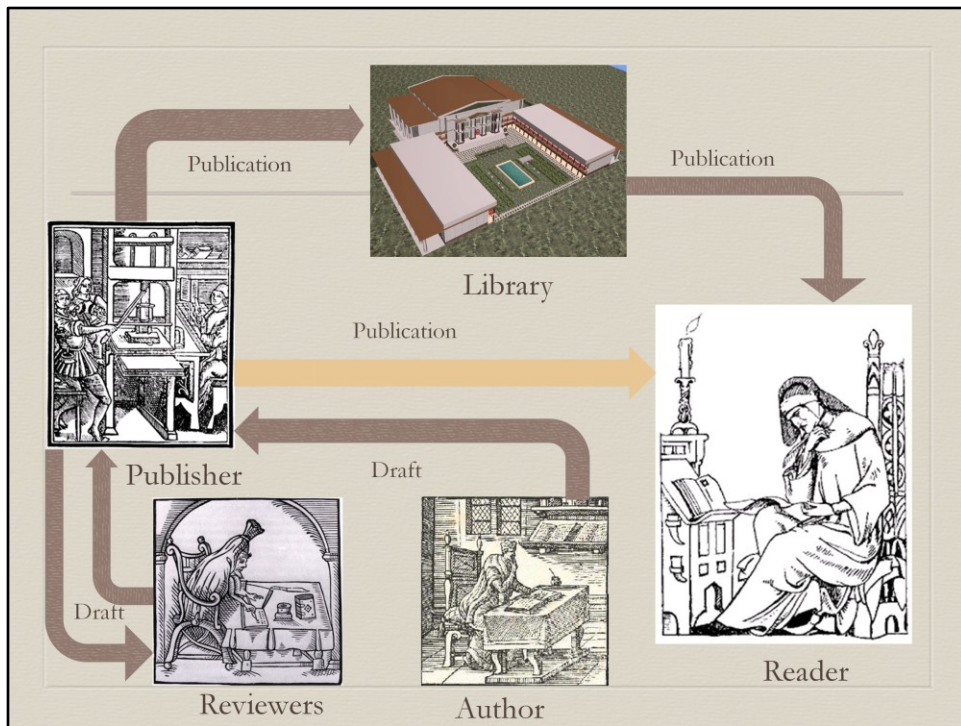
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Why Publisher?

- ✧ Economy for printing and distribution
- ✧ Copy edit
- ✧ Quality assurance / Peer review
- ✧ Support innovation
- ✧ Long-term preservation (lately)



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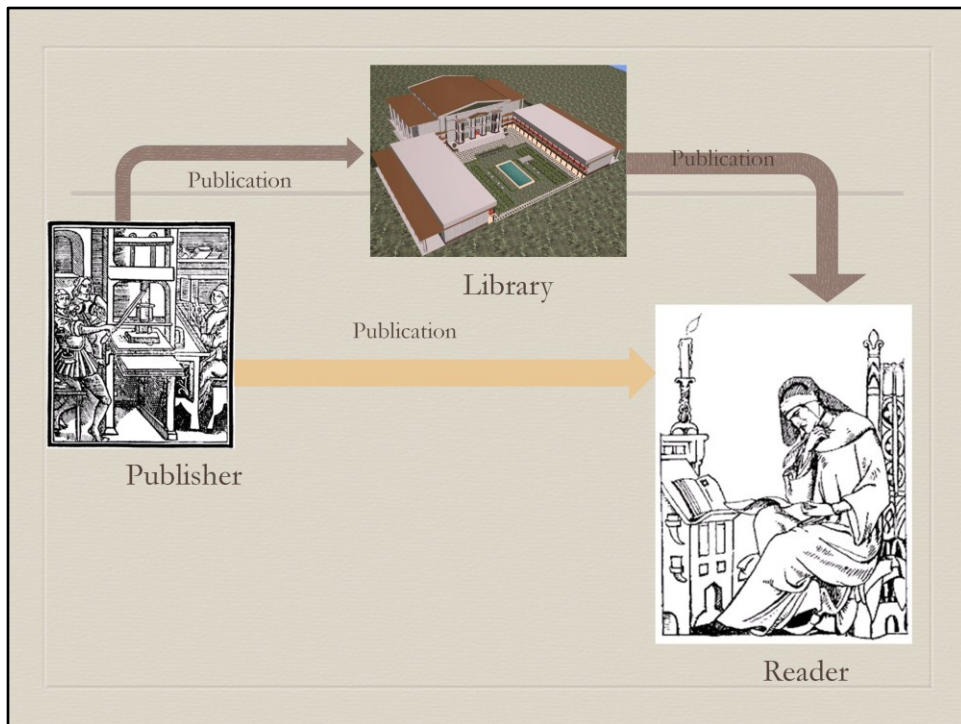
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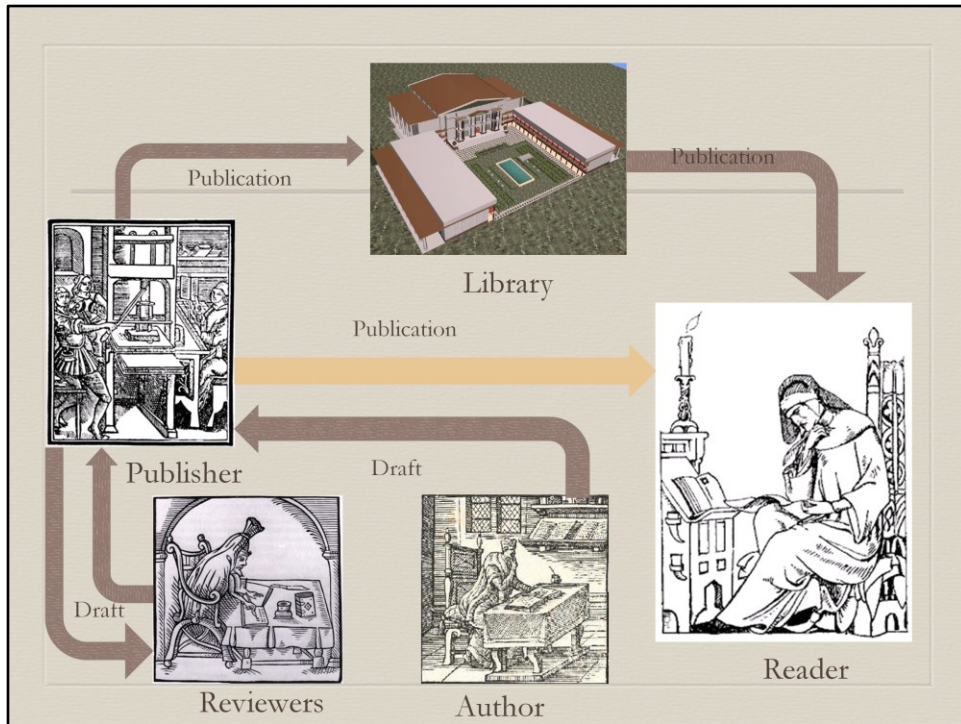
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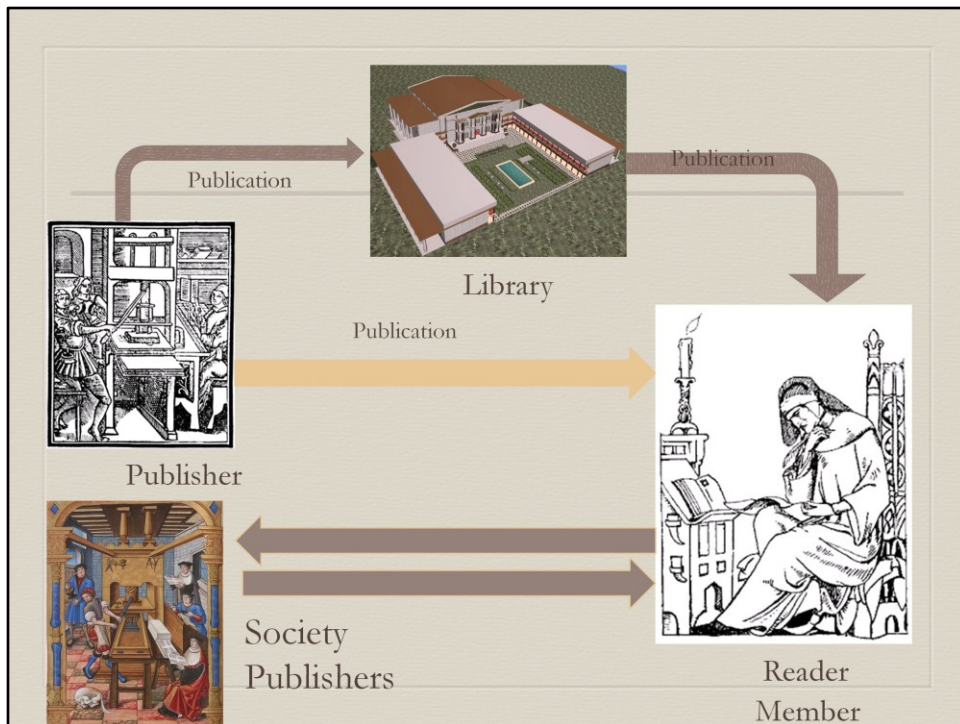
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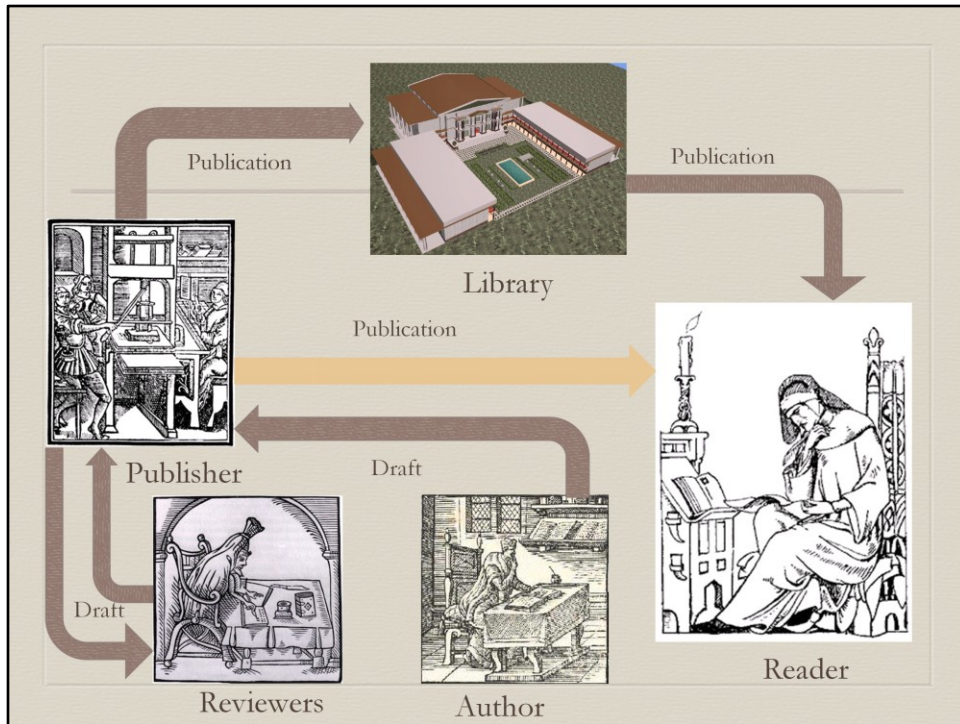
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Scholarly Society Publishers

(and not for profit publishers)

- ∞ Same goals & member support
- ∞ Conferences
- ∞ Education
- ∞ More Volunteer Work



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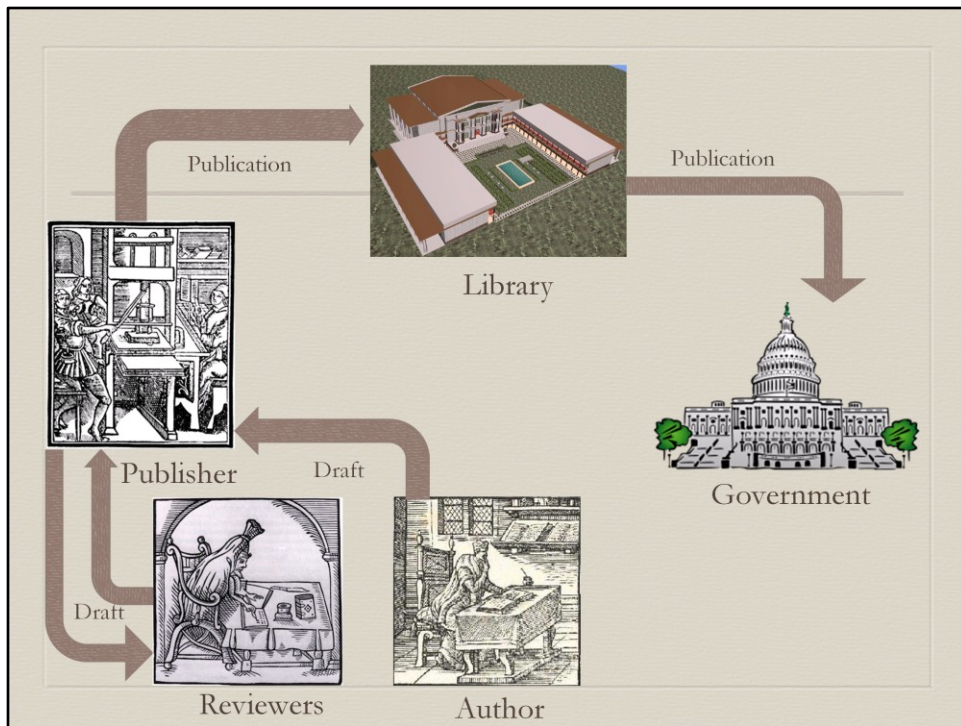
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Why the Library?

- ∞ Organization
- ∞ Selection
- ∞ Access
- ∞ Preservation
- ∞ Purchasing agent

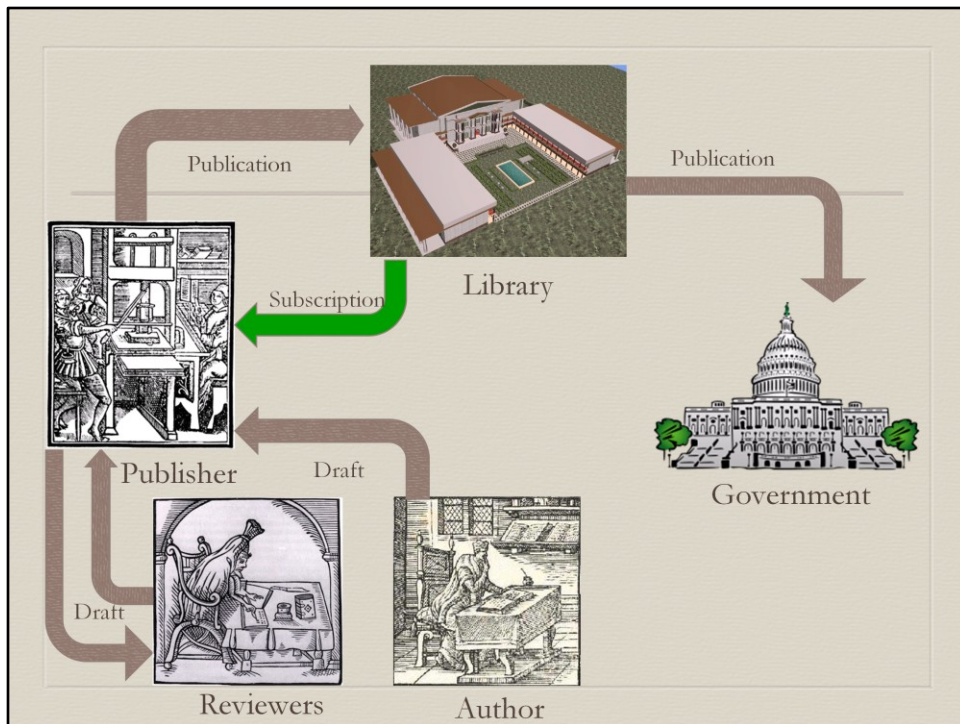


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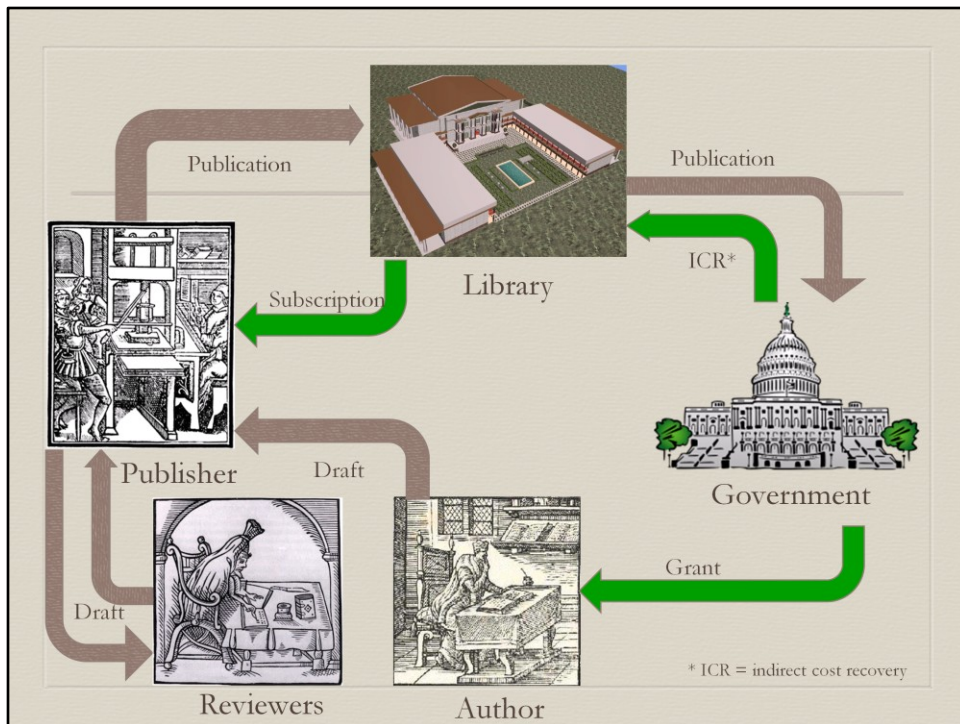


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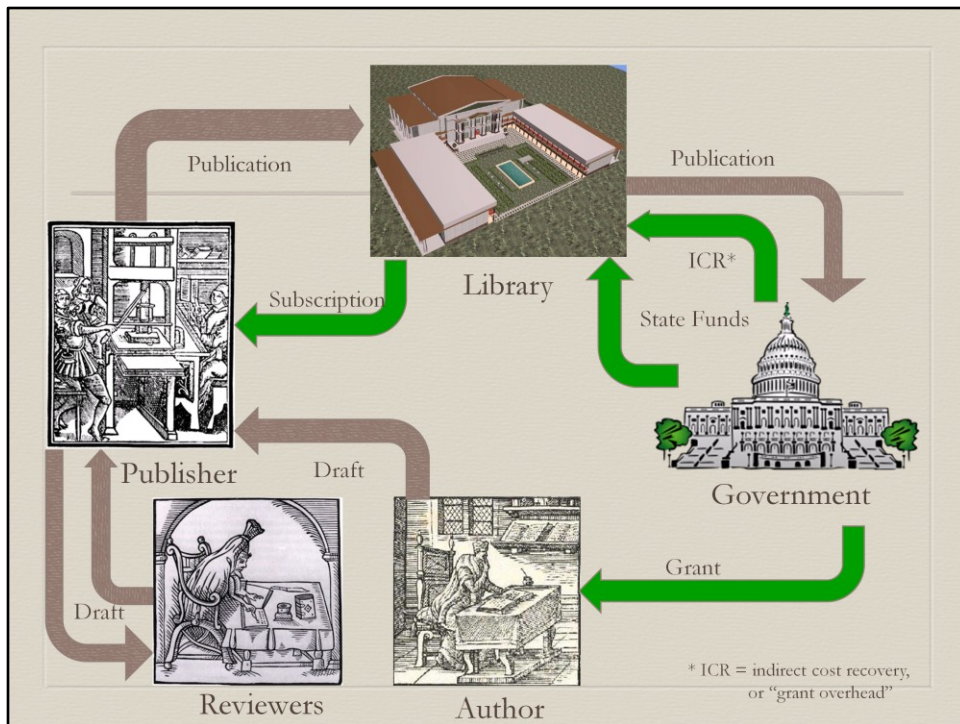


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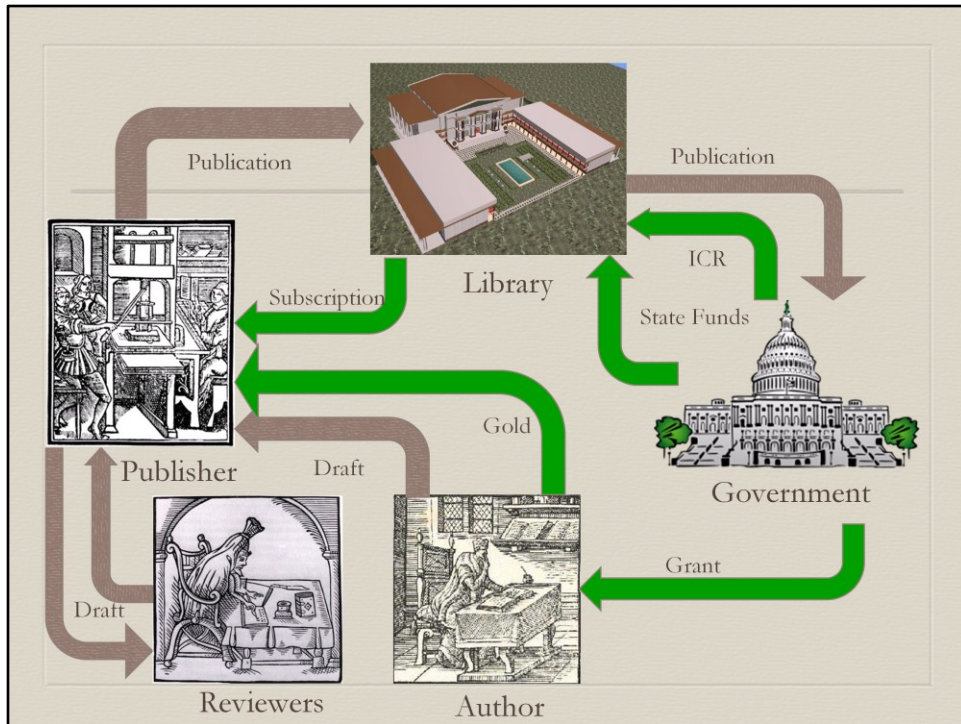


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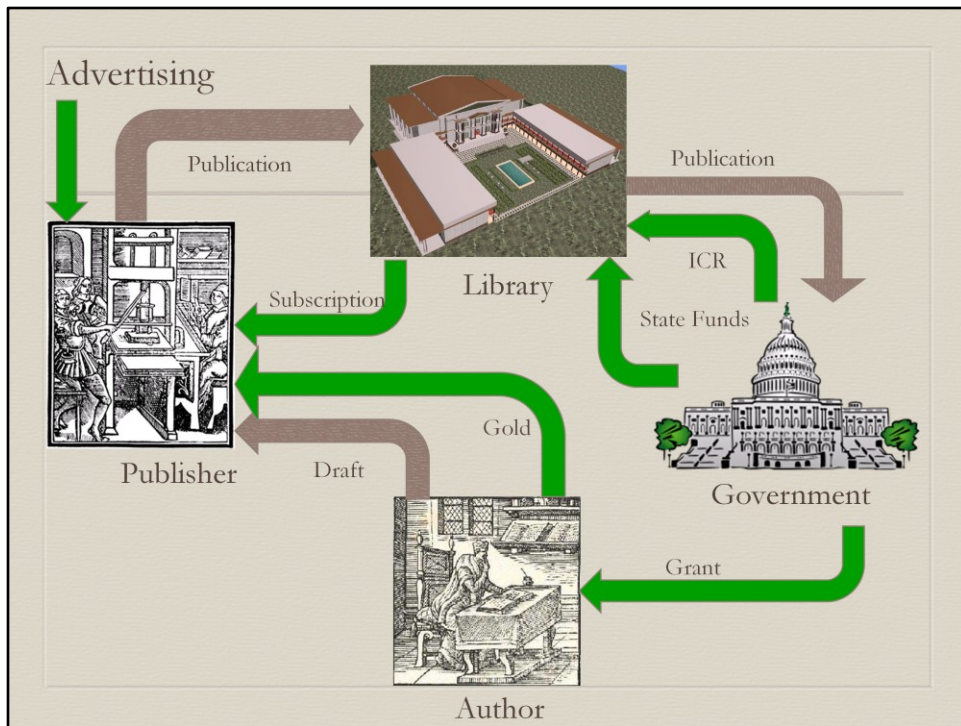


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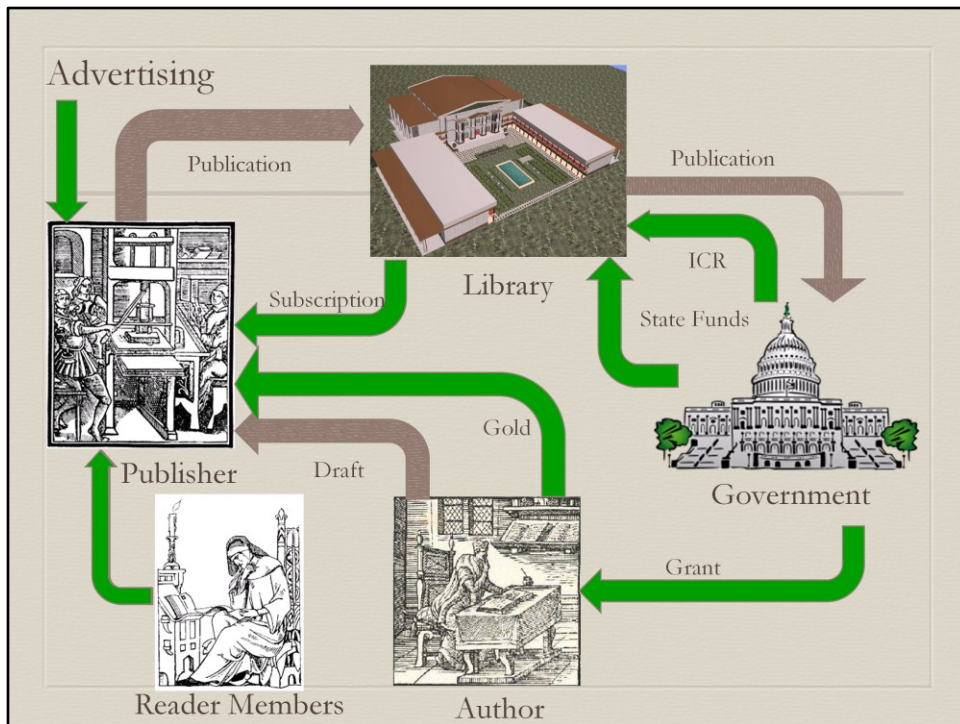


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Pay Models

- ✧ Publication is not free
- ✧ Need for business neutral solutions
- ✧ Multiple pay models
- ✧ Preservation of intellectual property
- ✧ Preservation of scholarly societies other activity
- ✧ Dissemination prices decrease but other costs increase

Subscriptions

- ∞ Publishers need resources
- ∞ Growing literature
- ∞ Libraries being squeezed
 - ∞ Increasing subscription costs
 - ∞ Decreasing State and Federal Funds
- ∞ Unaffiliated readers and non-profits cost prohibitive
- ∞ Developing country discounts

Embargos

- ∞ Embargos keep subscriptions flowing
- ∞ Great diversity of opinion on duration
- ∞ Need duration flexibility
- ∞ Citation half-life impacts subscriptions & ROI
 - ∞ Social Science/Humanities needs more embargo time
 - ∞ Non-medical Biology

Subscription Alternatives

- ∞ Green and Gold Open Access
- ∞ Many publishers already provide Gold or Green of different colors
- ∞ Different view of ROI
- ∞ PubMed central model strengths & weaknesses
 - ∞ Costs
 - ∞ Compliance
 - ∞ Disciplinary differences

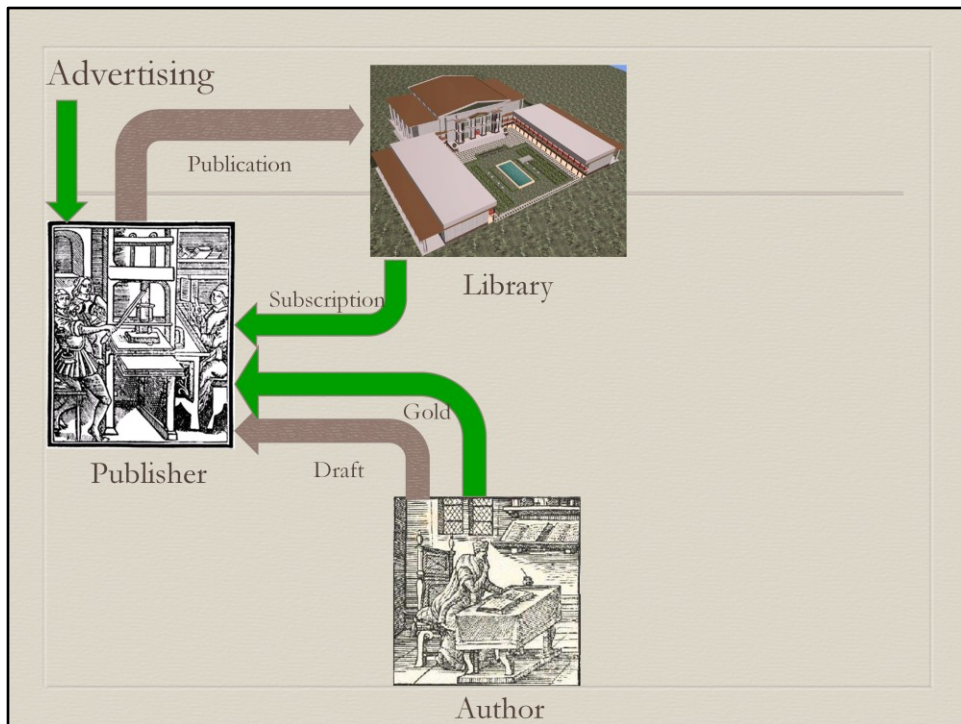
Gold OA

☞ Pro:

- ☞ Immediate access
- ☞ Library Preservation?
- ☞ Need agency sponsorship (line item)
- ☞ Project MUSE

☞ Con:

- ☞ Authors ability to pay
 - ☞ (sponsors: Government, employer/library)
- ☞ Grant expires before publication
- ☞ Predatory publishers



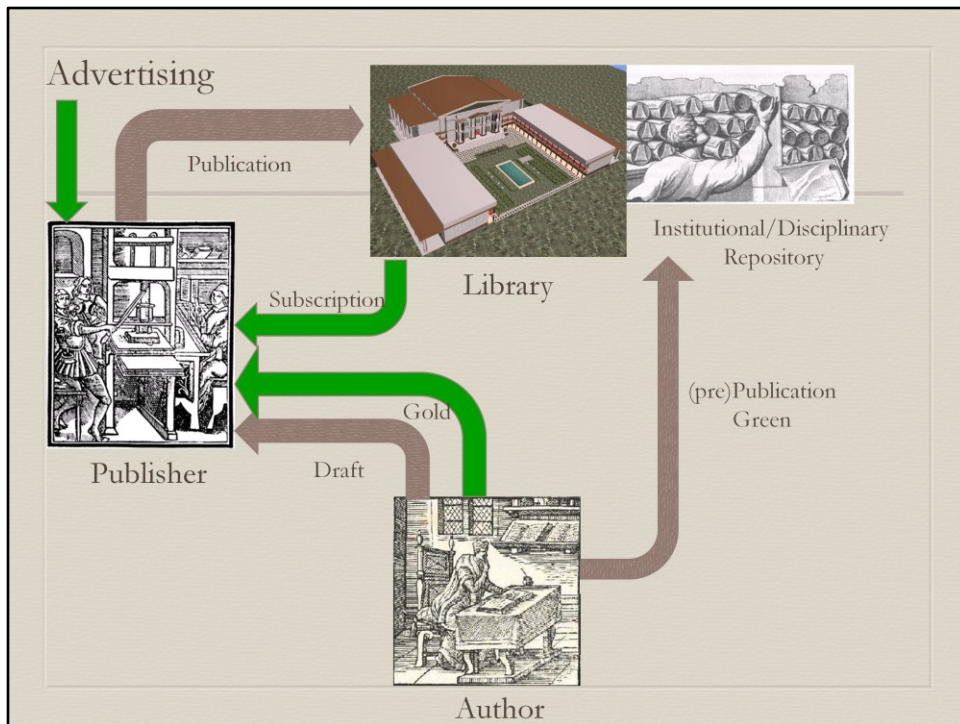
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Green OA

∞ Pro

- ∞ Library preservation
- ∞ Potential unified search
- ∞ Open-Full text (e.g. 3rd party text mining)

∞ Con

- ∞ Library archival costs
- ∞ Non-definitive copy / duplicative
- ∞ Loss of copyright
- ∞ Compliance burden on researchers and libraries

Broad Themes

- ☞ All agree on broad access and disagree on method
- ☞ Copyright is “permanent” monopoly
- ☞ Need phase-in time and planning
- ☞ Need consistency across agencies & NOT one size fits all
- ☞ Costs vary with discipline (formatting, length, half-life, etc)
- ☞ Need compliance checks (grant renewals, later publications)

Broad Themes


- ∞ (Functionally) Central vs Distributed archives
- ∞ The market is international
 - ∞ Europe going gold and green
 - ∞ Competitive advantages
 - ∞ Subsidizing non-US entities

New Functionality

- ☞ Unified Search
- ☞ Link to data – Not all data is tied to publications
- ☞ Require globally unique, persistent identifiers for articles, data, authors, funders and everything else
- ☞ Reuse and machine readable interoperability
- ☞ Need for open evaluation metrics
- ☞ Definition of “Trusted/Functional Repository”
- ☞ Platforms for grey literature and negative results

Other themes

- ☞ Need for author education
- ☞ Government definition of “good” science
- ☞ Library purchasing tools (bundling)
- ☞ Reader and Subject privacy
- ☞ Prior agreements may preclude some implementation
- ☞ Requires investment / startup and long-term operations
 - ☞ e.g. Duraspace, Crossref, FundRef
- ☞ Development / use of standards by all (e.g. NLM/DTD)



Change is Difficult

Change is Inevitable