

# **Scientific Publishing: Where are We, and Where Are We Going?**

**— From an Academic Library's Point of View—**

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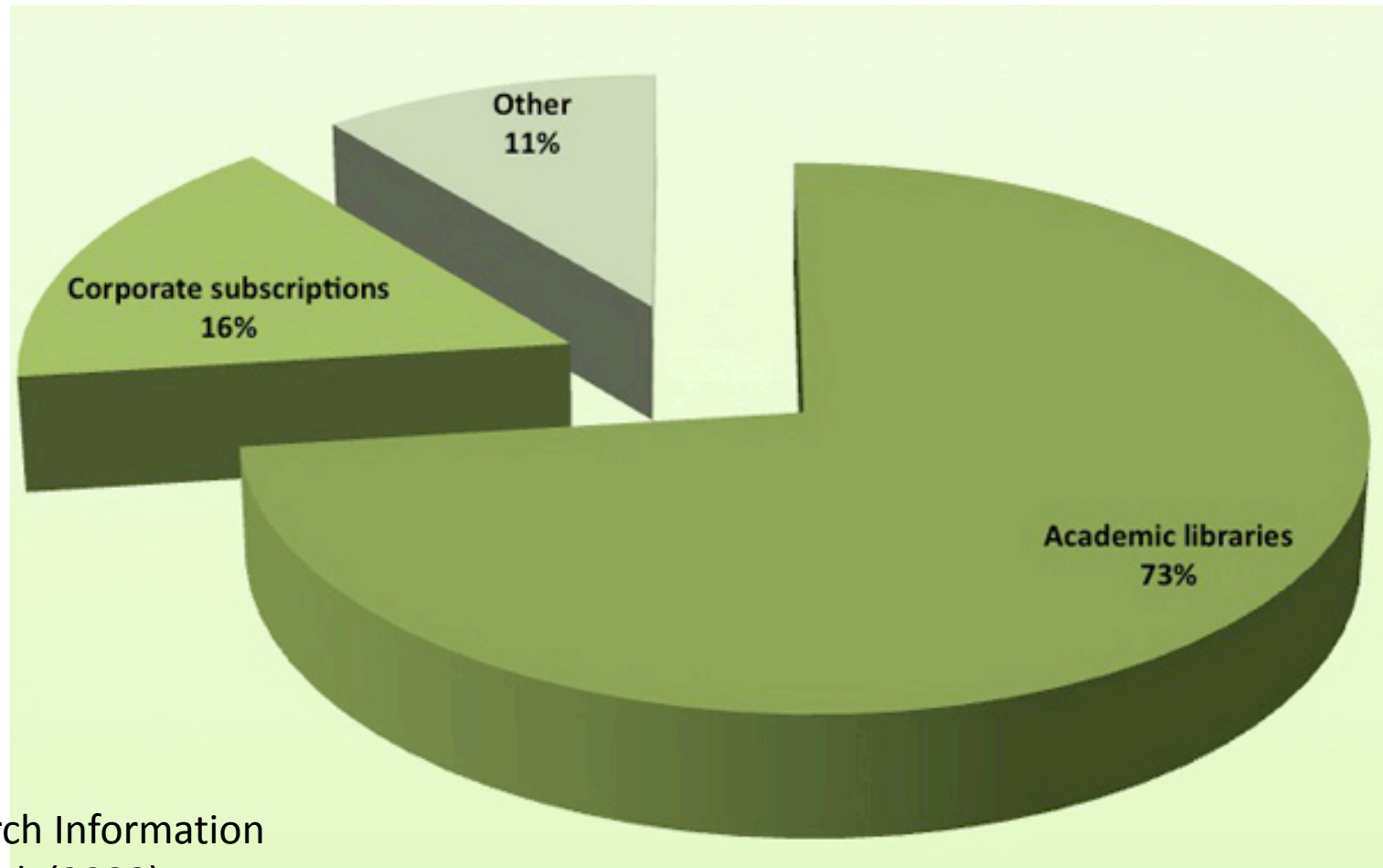
# Academic Library

## Collection Development Situation

- Mid-1980s → current: Escalating journal subscription costs.
- 2000 → Enter a new paradigm: The *institutional repository*
  - Open access to research university repositories.
  - Faculty article deposits: goal to enable open scholarship—a winding road...
- ~2008 → E-serials' cuts, book purchasing cuts, flat budgets.

# 8 Billion (US \$) Annual Revenue for Scholarly Journals

Where does it come from?



Research Information  
Network (2008)

# Mandates Ensure Research Availability

- **2008 Harvard Mandate:** Grants the university nonexclusive copyright licenses to archive and publicly distribute all faculty-produced scholarly articles. **>16,000 journal articles**
- **ROAR Map**
  - Institutional Mandates (172)
  - Sub-Institutional Mandates (38)
  - Funder Mandates (81)
  - Thesis Mandates (102)

# Libraries Support Government Mandates for Open Research

**Advocacy for federal and state  
agency OA policies:**

- COAPI: *Coalition of Open Access Policy Institutions* (56)
- SPARC: *Scholarly Publishing Academic Research Coalition*
- *SHARE*

# SHARE Rather Than Join the CHORUS?

## CHORUS

- Dark archive: Routine research access → from publisher sites (paywall).
- OA papers: invisible.
- Lack of interoperability.

## SHARE

- Operability across IRs → already exists (no cost).
- Interest in facilitating discovery.
- Archive by institution.
- In the public interest...

# Libraries Promote Access to Research

UNLV

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### About the Repository

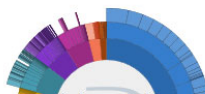
The repository is a service of the University of Nevada, Las Vegas Libraries. The mission is to capture, preserve, and share the intellectual output of UNLV faculty, staff, students, and collaborations with other stakeholders.

Research and scholarly archived output includes: articles, monographs, audio/visual presentations, working papers, technical reports, conference papers/posters, theses/dissertations, data sets, and publicly-funded research.

### At a Glance

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# Sustainable Publishing Business Models

- **Gold** model: *requires a one-time payment or is born digital*
  - Libraries pay APCs (article processing charges)
  - Publisher examples: PLOS, BioMed Central, Hindawi.
  - Directory of Open Access Journals (DOAJ) 9493 journals.
- **Green** model: *“open access to post-prints or to articles” by journal policy*
  - Sherpa Romeo copyright tool: publisher’s deposit permissions.
  - Publisher examples: Sage, BioMed Central.



**Open Access isn't only about sharing information;  
it's about transforming how we teach, how we do  
research and how we collaborate to get things  
done in a truly global community.**

Mary Y. Lee, Associate Provost, Tufts University