



From Act to Impact

Needle-Moving Collaboration

Katherine Skinner @Educopia

November 10, 2015



(Courtesy National Zoological Park, Washington, D.C.)

Better bred than dead

David Challinor on the efforts of zoos to preserve rare species

ZOO DIRECTORS and others concerned with the survival and well-being of zoo animals are increasingly interested in the ability of wild animals to adapt to captivity. The present design of new zoo exhibits reflects in part this concern. Not only are the new barless enclosures more aesthetically pleasing to the visitor, but they are also designed to reduce some of the neurotic behaviour shown by some mammals, particularly primates and cats, when confined to the old fashioned menagerie cage. The moats and glass barriers now used are designed to protect the animal from the visitor and, in the case of glass panels in primate houses, serve the double purpose of keeping the monkeys from catching humans' colds and freeing the visitor from the animals' pungent smell.

Despite such improvements, some zoo-bred animals, when moved from cramped quarters to landscaped habitats, cannot readily adapt. We have had several examples of animals' difficulty in breaking habitual behaviour at the Smithsonian National Zoo. Our white tiger, Mohini,

their new enclosure would climb only along the stable wooden framework and supporting cables. The flexible natural branches were too much for these old males, but not for the younger animals in the troops, who readily adapted to their new surroundings.

Although some animals are adapting well to captivity, unexpected problems continually arise. The magnificent sable antelope is now breeding successfully at the Smithsonian's Conservation Research Center at Front Royal, Virginia. However, their hooves are not worn down as fast in



Grass is better than concrete

faculty, researchers,
administrators, university
libraries, centers,
archives,
presses, research
societies,
nonprofits, consortia,
commercial publishers,
editors, technologists





Detail from **Edmund Birkhead Bensell**, "A Critical Moment"



Just a Few of the Conditions Aligning...

- Technological changes
- New competitors
- Political shifts
- Economic concentration
- Information deluge



Photo credit: FlippyCat <https://www.youtube.com/flippycat>

Fields and Transitions...

- Fields tend toward stasis
- Innovations happen on the fringes
- Field-wide change depends upon networks

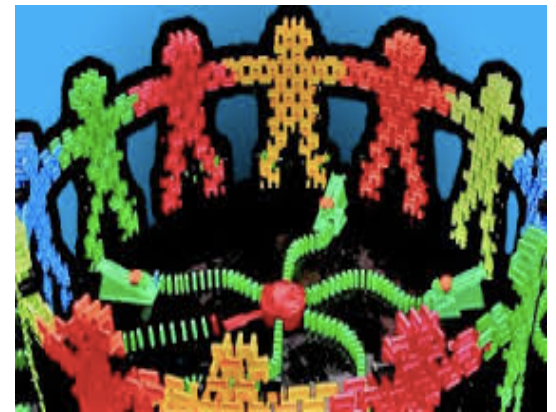


Photo credit: FlippyCat <https://www.youtube.com/flippycat>



Pilobolus, Photo by Howard Shate

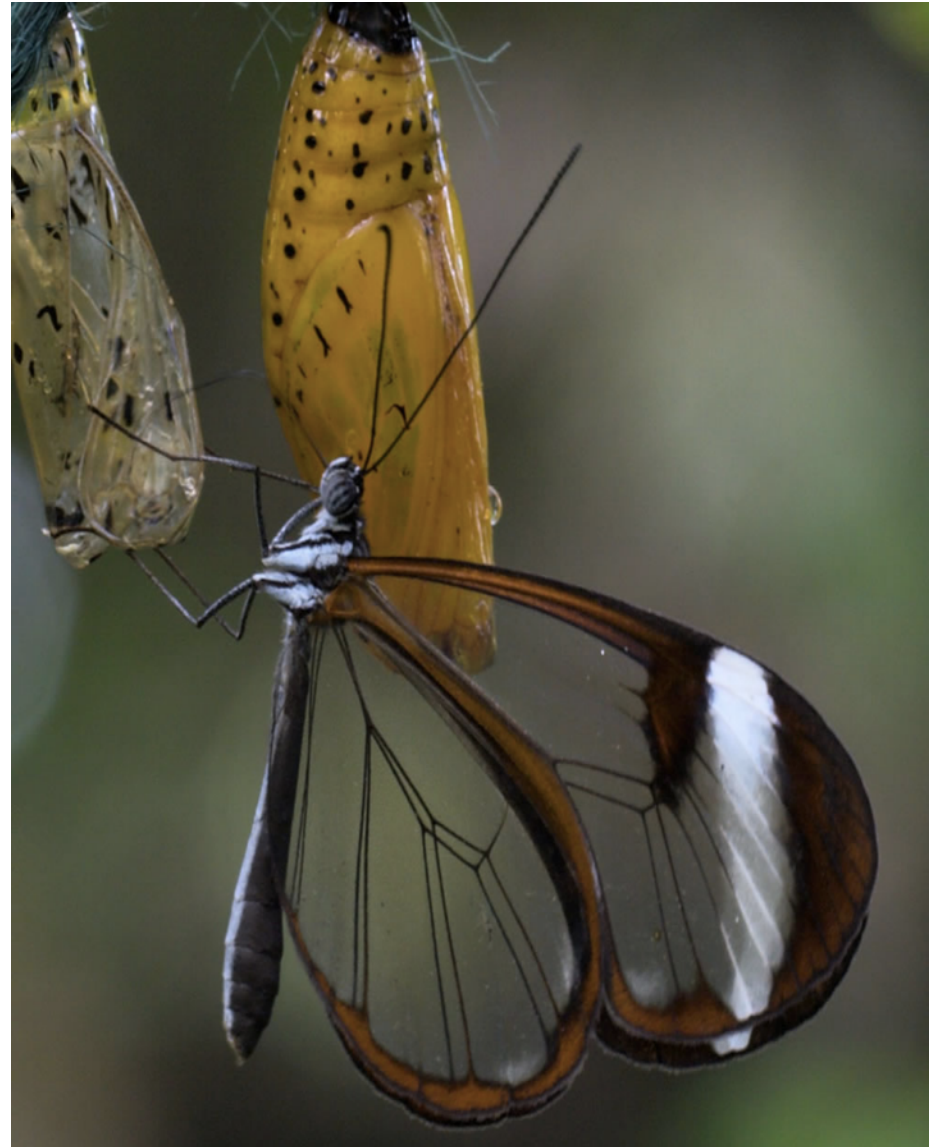


If

- This is a critical moment
- Networks bring change

Then

- Alignment is a transformative tactic





PHILOSOPHICAL
TRANSACTIONS:
GIVING SOME
ACCOMPT
OF THE PRESENT
Undertakings, Studies, and Labours
OF THE
INGENIOUS
IN MANY
CONSIDERABLE PARTS
OF THE
WORLD.

David Vol I. *Series 1.*
For Anno 1665, and 1666.

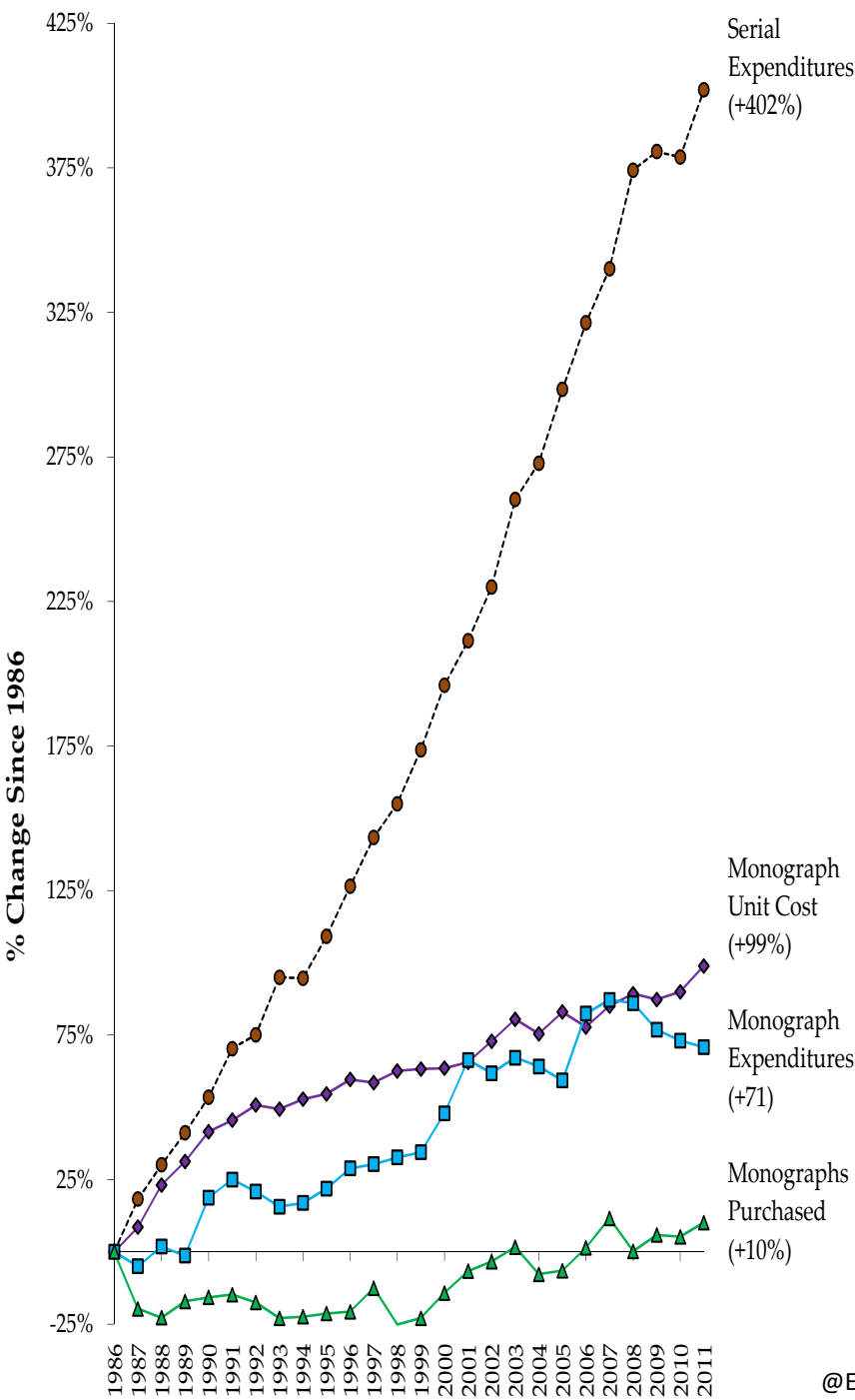
In the S.A.P.O.T.,
Printed by T.N. for John Martyn at the Bell, a little with-
out Temple-Bar, and James Allestry in Duck-Lane,
Printers to the Royal Society.

Monograph & Serial Costs in ARL Libraries, 1986-2011

Source: ARL Statistics 2010-11
Association of Research Libraries,
Washington, D.C.

- Notes:
- Data for monograph/serials expenditures was not collected in 2011-12
 - Includes electronic resources from 1999-2011

Available: <http://www.arl.org/storage/documents/monograph-serial-costs.pdf>



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of anything...
on ordinary
paper

...even pages in a book!



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Areas of Specialization

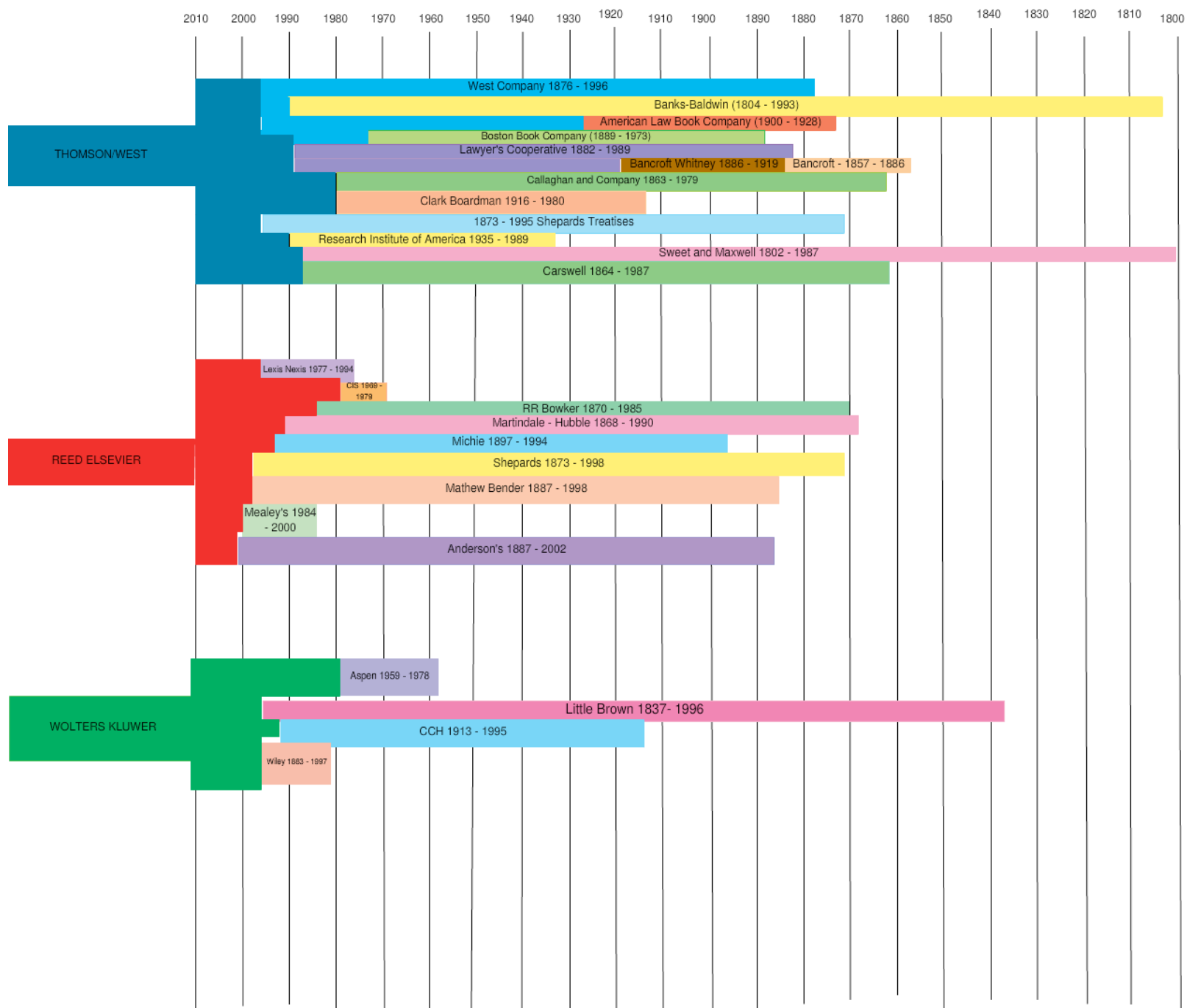
- Cultural Anthropology
- Linguistic Anthropology
- Archaeology
- Physical Anthropology
- Applied Anthropology

Physical Anthropology

- Areas of Specialization:
 - **Human genetics** - inheritance and inherited variation
 - **Primatology** - living nonhuman primates
 - **Human biological variation** - evolutionary studies
 - Paleontology
 - Paleoanthropology
 - Human growth and development
 - Forensic Anthropology
 - Human ecology
 - Forensic ecology
 - Osteology
 - Applied Physical Anthropology

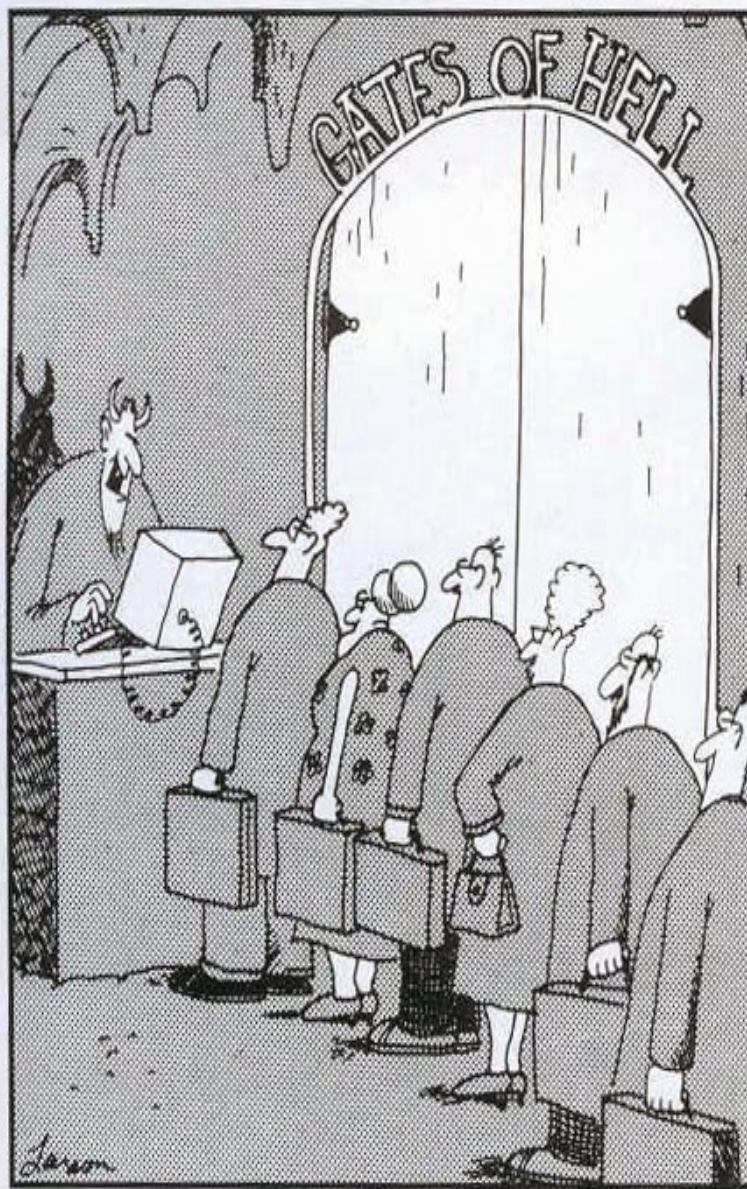


America's **BEST** Colleges



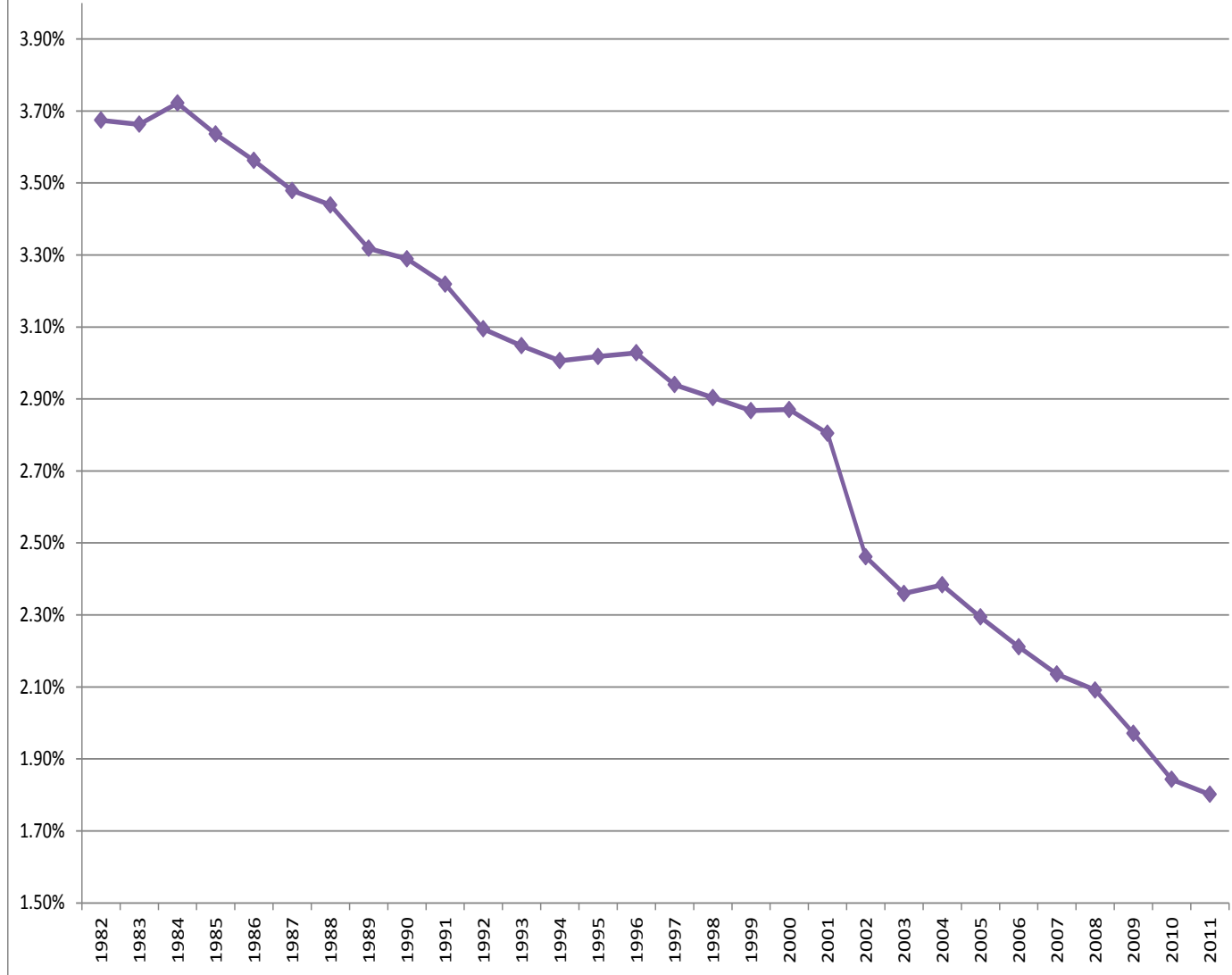


“This is us.”



"OK, sir, would you like inferno or non-inferno? ...
Ha! Just kidding. It's all inferno, of course—
I just get a kick out of saying that."

Library Expenditure as % of Total University Expenditure (Average of 40 US Institutions Reporting Since 1982)



It isn't that they can't see the solution.

It's that they can't see the problem.

-GK Chesterton

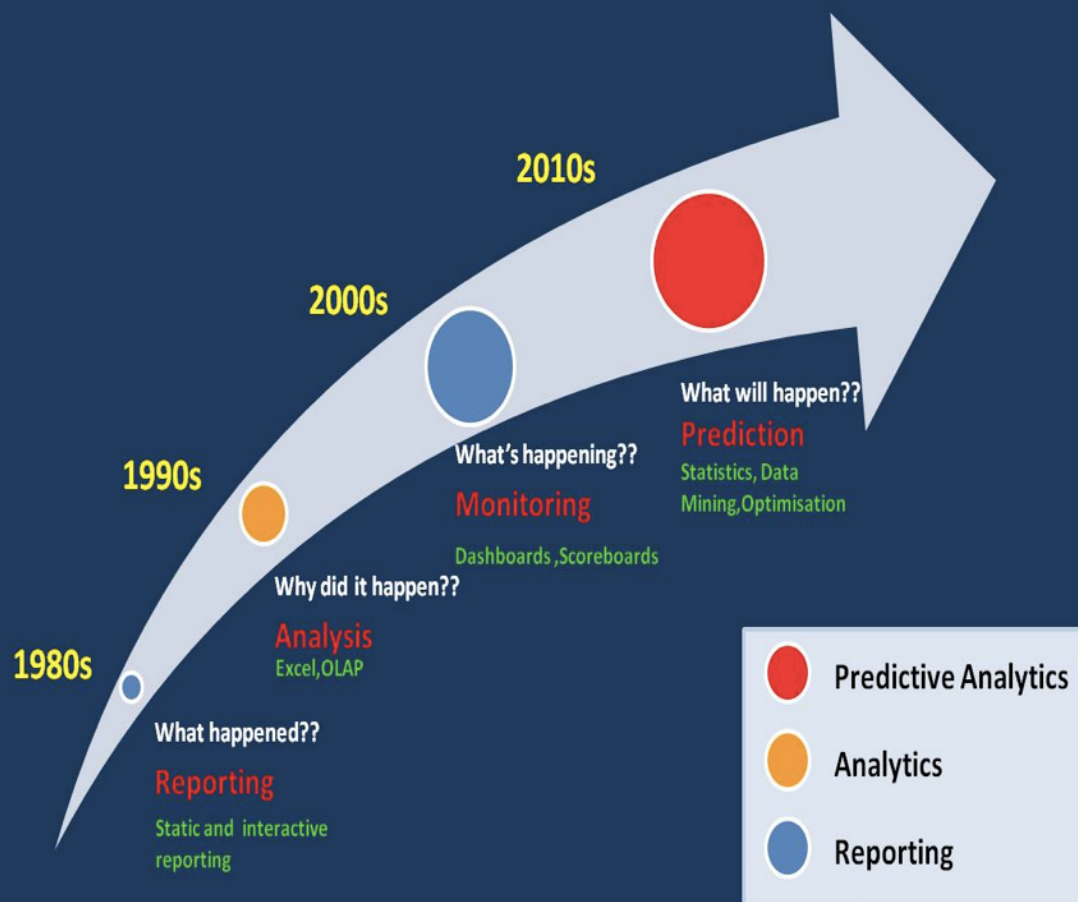




data...

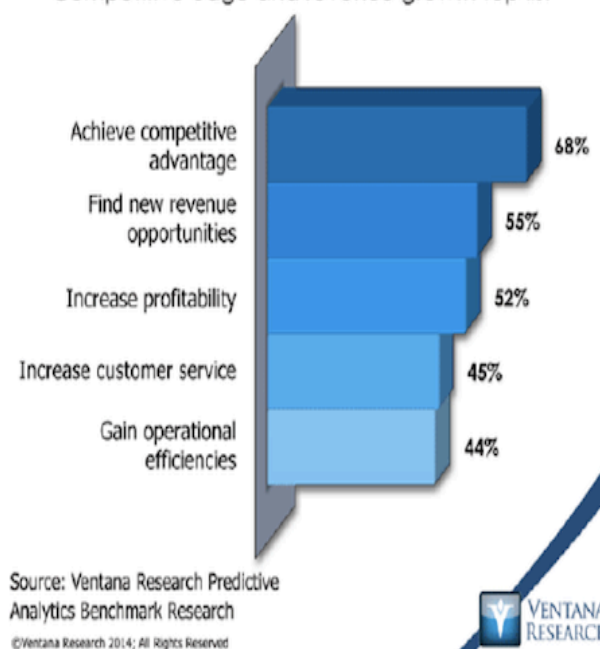


Evolution of Predictive Analytics



Benefits of Predictive Analytics

Competitive edge and revenue growth top list



PREDICTIVE ANALYTICS

What happened? → **REPORTING**

What actions are needed now? → **ALERTS**

Why is this happening? → **ANALYSIS**

What will happen? → **PREDICTIVE MODELING**

What's the best that can happen? → **OPTIMIZATION**



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ABOUT PREDICTIVE ANALYTICS

Evolution of Predictive Analytics



from act
to impact



A background graphic featuring a circle of stylized human figures in various colors (red, purple, yellow, orange, green) holding hands, suggesting a community or network.

Common Agenda

Shared Measurement

Mutually Reinforcing Activities

Continuous Communications

Backbone Support

ANADP

Date:
23 May 2011 to 25
May 2011

Place:
National Library of
Estonia Tallinn



The Aligning National Approach out of a series of conversation of Congress, the University of Cooperative, and the National where preservation programs information with each other for collaborations to support the

While there are many annual exchange across national board strategic direction across the range of topics represented here: Organizational Alignment, Technical Alignment, Legal Alignment, Standards Alignment, Economic Alignment, and Education Alignment. This conference provided a participatory forum for information exchange and focused work on these topics

Pilot: Organizational Involvement in Collaborative Digital Preservation Activities 1994-2014



Chrysalis

Contact:
[Christina Drummond](#)

Advocating for alliances between scholars, libraries, and scholarly presses to promote innovative digital research publication.

The Chrysalis project explores the design and implementation of vertically integrated research alliances (VIRAs) comprising scholars, libraries, and scholarly presses. VIRAs could constitute a chrysalis of sorts for innovative digital research. To understand this model, Educopia Research and the Max are investigating potential revenue streams and including possible redistribution of current university information resources and the creation of new sources of sustain research publishing.

If you are working with us on this project, please contact [Christina](#)

Nexus



Contact:
[Katherine Skinner](#)

Empowering leadership development in cultural organizations to strengthen the public good.

The Nexus projects address the need for doc cross-germination across leadership training extensible foundation to train and evaluate t archives, libraries, and museums. There have decades to train leaders through workshops, programs, but little consistency in curriculum practices across these leadership-training pr

While individual training programs have ofte white papers and articles, there is a relative l documentation regarding the breadth and de leadership-training activities, especially with and museum sectors.

Distributed Digital Preservation



Contact:
[Matt Schultz](#)
Websites:
[Project Wiki](#)

Creating a framework to build effective, reliable, and auditable digital preservation environments with large geographic spreads.

Distributed Digital Preservation (DDP) uses highly distributed methodologies, infrastructures, and organizational apparatuses in order to achieve the reliable persistence of digital content. Worldwide, numerous digital preservation initiatives are already engaging these practices. Existing DDP approaches, as well as those that have yet to come into being, lack common vocabulary and conceptual frameworks for building effective, reliable, and auditable preservation environments. Agreed-upon terminology and theoretical models would:

Events | Dodging the Memory Hole II: An Action Assembly

Dodging the Memory Hole II: An Action Assembly

Date:
11 May 2015 to 12
May 2015

Place:
Charlotte
Mecklenburg Public
Library Charlotte,
NC

Facilitator:
[Katherine Skinner](#)

What will tomorrow bring for yesterday's news?

For centuries, this "rough first draft of history" has been saved and preserved by archives and libraries around the world.

But over the last four decades, news has transitioned from printed paper to digital files, and studies show that these files are in great danger.

Join stakeholders from all angles of this problem—news publishers and press associations, technologists and researchers, libraries and archives, corporations and funding agencies. Together, we will lay a crucial foundation for resolving this information crisis.

Project Meerkat



Aims

Project Meerkat would build a cooperative organization—the **Publishing Analytics Data Trust**—to address scholarly publisher and library needs in the collection, aggregation, analysis, and dissemination of usage data, focused specifically on monographs in the first instance.

In order to accomplish this, the project team would examine a range of issues around this topic as applied to monograph usage data, including:

- **usage data modeling:** What information can we collect and share? What can we do with it? How can we best view and report on it?
- **usage data ethics:** What are the terms of use? Who can see which parts of the data? How can the aggregated data be accessed and used?
- **cooperative infrastructure:** How do we set up a sustainable business model for the ongoing collection and dissemination of this data that fairly and equitably provides for the needs of its members?

Deliverables

Organizational deliverables

- The cooperative's mission and vision
- The cooperative's governance model, organizational infrastructure, revenue/business model, and sustainability plan
- Engagement of key stakeholders across academic, publishing, and data-analytics industries, identifying the value of their involvement and desired methods of ongoing contributions

Usage data deliverables

- A detailed model for the collection of monograph usage data
- An aggregated set of monograph usage data
- A prototype of monograph usage data services
- Defined workflows through which the monograph usage data set can be accessed

Usage data policy deliverables

- A policy framework for the aggregation and use of monograph usage data
- A code of ethics to guide monograph usage data gathering, access, and reuse by members

Other relevant efforts

- Altmetric.com (Digital Science \$)
- Plum Analytics (EBSCO \$)
- Elsevier (Mendeley, Scopus etc \$)
- ImpactStory (non-profit)
- Article Level Metrics (various)
- COUNTER (standards)
- IRUS-UK (collaboration)
- NISO (community development)
- DOI Event Tracker (CrossRef)
- BookMetrix (Springer \$)
- ICOLC (Press-Library collaboration)

Not designed for books

Monograph Specific Issues

- Multiple sites for access
- Multiple forms of book
- (Often) lack DOIs
- Tools not built for ISBNs
- Less consistent formats ⇒ Crossref
- Are usage standards appropriate?

Outcomes

