



# Creating Intellectual Capacity Through Collaboration: GALILEO, Virtual Libraries, and Consortia

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- Background about GALILEO
- Examples of continuing collaboration
  - What makes it work
  - Issues
- Value of GALILEO for creating intellectual capacity
- Other virtual libraries and consortia efforts



- Concept initiated by RACL (Regents Academic Committee on Libraries), April 1994
- Strong history of collaboration
  - Leadership from University of Georgia and Georgia State University
- Vision for One Statewide Library
  - New Chancellor
  - Lottery
  - Governor
  - Technology
- Funding provided February, 1995 Legislative Session



- 150 days from funding GALILEO was launched on September 21, 1995 for all 34 USG libraries
- One month after Netscape's first IPO offering
- Helped provide infrastructure for connecting many campuses and buildings to the internet through PeachNet, the University System's Network
- Demonstrated value of technology to many faculty and staff
  - Introduced the internet and worldwide web to many

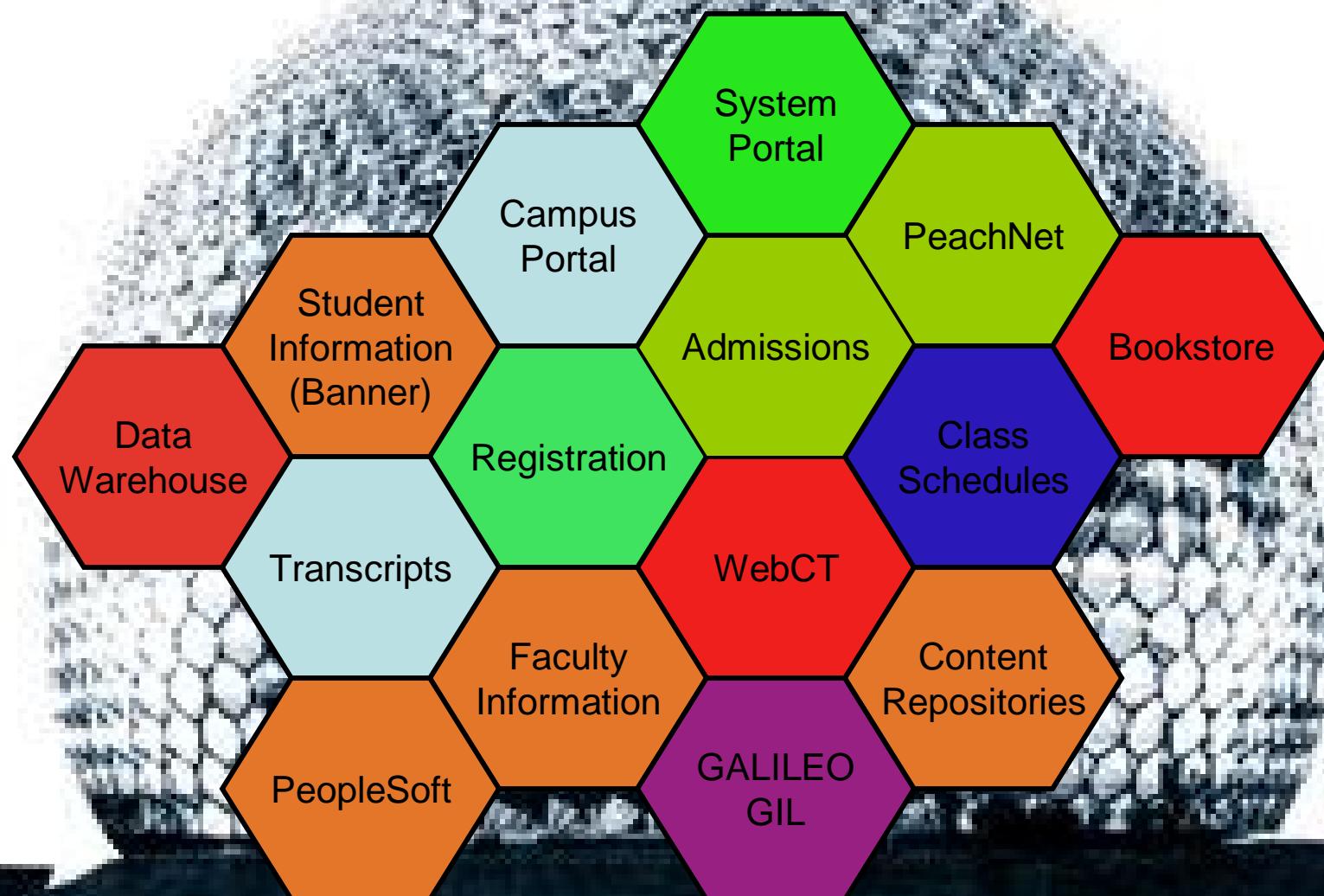
# GALILEO Helps Library Communities Throughout Georgia Meet Information Needs



Regardless of  
Location,  
**GALILEO Helps**  
**Equalize Access**  
**to Information**



# *Integrated Learning Environment*



# GALILEO Maximizes the Benefits From Scarce Resources

- Collective Buying Power
- Technical Support Staff
- Business Processes Minimized
- Resources available 24 hours a day,  
7 days a week
- Resource Sharing

# GALILEO Community



- 35 public academic libraries
- 43 private academic libraries
- 34 technical college libraries
- 59 public library systems
- 182 school districts
- 30 private k-12 schools

356,097  
postsecondary  
FTE

- Three ARLs + one ASERL member
- Two separate medical libraries (four medical schools)
- One separate law library (four law libraries)
- Research
- Teaching
- Proprietary
- Religious
- Liberal Arts
- Technical
- Rural/urban/suburban

# *Mother* GALILEO

## One Statewide Library

- Electronic resources
  - License 200 plus databases
  - Access and menu management
  - Metasearch and linking tools
  - Local resources integration tool
  - Help desk
  - Training
  - Promotional activities/materials
- GIL (GALILEO Interconnected Libraries) Library Automation/Management System (University System plus)
  - Universal Catalog
  - Universal Borrowing
  - Electronic Resources Management
- Digital Library of Georgia
  - Georgia Government Publications
  - 500,000 digital objects in 90 collections from 60 institutions and 100 government agencies.

# Funding

- Special Funding Initiatives (State)
- State Agency Funds
- Individual Libraries
  - Private institutions pay to participate
  - Individual libraries pay for additional resources
- Federal Funds (LSTA/IMLS)

# Expenses

- Databases
- Operations
  - Servers/Storage
  - Helpdesk
  - Training
  - Programmers/System Administrators
  - Software
    - Linking
    - Metasearch
    - Library Management Software (GIL)
    - Electronic Resources Management (new Pilot)



# All Communities Have a Core Set of Databases

- § ArchivesUSA
- § CollegeSource Online
- § Grove Dictionary of Art
- § ¡Informe!
- § Britannica
- § Novelist
- § Book Index w/Reviews
- § WorldCat

*From EBSCOhost, continued:*

- § Legal Collection
- § Literary Reference Center
- § MAS FullTEXT Ultra
- § MasterFile Premier
- § Professional Development Collection (Education)
- § Psychology & Philosophy Collection
- § Religion & Philosophy Collection
- § Searchasarus(Kids resources)
- § Science and Technology Collection
- § World History Collection

*From EBSCOhost (some w/Spanish language interface)*

- § Academic Search Complete
- § Advanced Placement Source
- § Agricola
- § Book Collections: Nonfiction
- § Business Source Complete
- § Consumer Health Complete
- § ERIC
- § Garden, Landscape & Horticulture Index
- § Health Source: Nursing Edition
- § History Reference Center
- § Hospitality & Tourism Complete
- § Information Science & Technology Abstracts
- § Insurance Periodicals Index
- § International Bibliography of Theater & Dance with Full Text
- § Internet & Personal Computing Abstracts



# GALILEO Provides Customized Sets of Databases

- Group purchase by community for all members of that community
- Group purchase by one or more communities
- Group purchase for individual libraries
- Any combination that leverages the group aspect and provides the most access at least cost
- Each library may add their locally purchased resources to their GALILEO menu to improve access and leverage linking software.

- Purchase by one or more community and extended to others
  - Example
    - College Source – purchased by public colleges and universities and a group of privates , but available to all
    - Informe – purchased by public libraries and available to all
    - Grove Dictionary of Art – purchased by academics and available to all



# New Georgia Encyclopedia

- Georgia Humanities Council
- University of Georgia Press
- GALILEO (University System of Georgia)
- Office of the Governor of Georgia

- National Endowment for the Humanities
- Corporate sponsors/foundation grants

# GALILEO Knowledge Repository or if you believe it you can achieve it

- Goal to provide a USG Knowledge Repository
  - Could be extended beyond USG
  - Support smaller institutions
  - Allow institutional identity and control
  - Increase exposure to digital scholarship
  - Promote information sharing and collaboration
- Begin with Electronic Theses and Dissertations (ETDs)
- Task Forces on Metadata Standards and Technology
- Current participants: UGA, GA Tech, GA State, Medical College, Georgia Southern, USG Advanced Learning Technologies (learning objects)

# Creating intellectual capacity

- Increased access through more indexes/databases
- Increased access through more full text of journals
- Increased access through improved linking and searching capabilities
  - Linking to GALILEO resources
  - Linking to locally created resources
  - Linking to free and open access resources

# Pre-GALILEO

## 1994-1995

	Number of journal subscriptions
Albany State	719
Columbus State	1397
Georgia Southern	3531
Savannah State	757
Valdosta State	2906

# With GALILEO 2007

## 8000 +

	Number of Subscriptions
Albany State	323
Columbus State	1707
Georgia Southern	2630
Savannah State	768
Valdosta State	2774

 **GALILEO - Netscape**

File Edit View Go Communicator Help

Instant Message WebMail Radio People Yellow Pages Download Calendar Channels RealPlayer

Bookmarks Location: //chiron.gsu.edu:80/cgi-bin/door/homepage.cgi?\_id=a818f54e-1040044191-3319&\_cc=1 What's Related

**GALILEO** Server J Databases Help Comment Home a818f54e-1040044191-3319

**Oxford English Dictionary (2d edition)** Search Help

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**aggregator**

**aggregator** *æ:gri'geɪtər*. ? Obs. [agent-noun f. [aggregate](#) v., as if a. L. *\*aggrega-tor*, f. *aggrega-re*.]

1. One who joins himself to; an adherent.

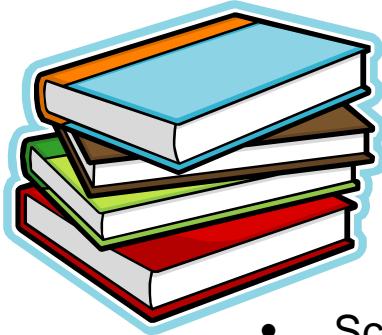
- **1533** Elyot *Castel of Helth* (1541) A iiiij, Ye practisis of Isake, Halyabbas, Rasys, Mesue, and also of the more part of them which were their aggregatours and folowers.

2. A collector of particulars; a compiler.

- **1621** Burton *Anat. Mel.* ii. iv. i. iii. (1676) 230/2 Jacobus de Dondis the Aggregator repeats Ambergreese Nutmegs and all Spice amongst the rest.

Document: Done

# Challenges in moving from print to electronic



- Science
  - Available from 1997 until 2004
- Annual Review of Plant Biology
  - Available from 1996 until 2005
- Scientific American
  - Available in HTML only – no photographs, graphs, etc.
- Embargoes
  - Nature
    - Most recent year not available
  - Journal of Cell Biology
    - Most recent 6 months not available
  - Discrete Mathematics and Applications
    - Most recent year not available

# The Big Deal or Buyer Beware

- Library or consortia purchase a package of electronic titles from a given publisher
  - Restrictions may apply
    - Maintain existing print subscriptions
  - Rules may change
    - Access now to all, but with renewal only those that you purchase.
  - Content may change

# Science Databases

- Current Contents (all University System and some private academic libraries) (GALILEO)
  - Keep current
  - Links to full text in other resources
  - Can request resources through ILL
- Cambridge Scientific Abstracts (all University System) (GALILEO)
- Web of Science
  - GETSM
    - UGA, GA State, Emory, GA Tech, Medical College
  - Others
    - Georgia Southern
- Science Direct (Elsevier)
  - GETSM

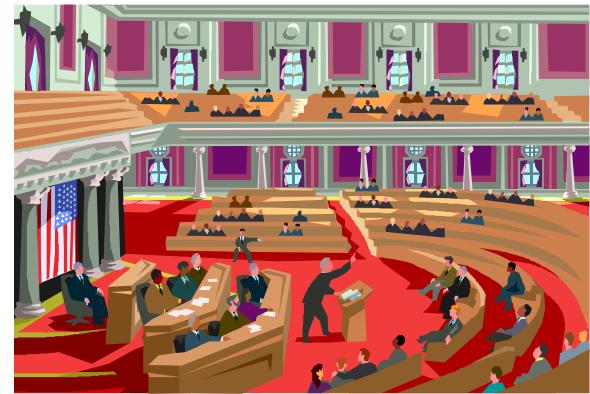


## Google Scholar (beta) launched November 2004

- Goal: To create the best possible scholarly search experience; and to provide a single place to find material, easy to use. *--Adam Smith, Business Product Manager, Google, ICOLC, April 2005*
  - Only a small fraction of full text is online
  - Current library access pilot:
    - Google looking to connect products to libraries, using link resolvers
    - Allows users to take advantage of their library's licensed resources
    - Part of Google's goal is enabling access and directing readers to individual libraries
- GALILEO has provided links within Google Scholar to GALILEO services (catalog, WorldCat, A-Z journal list)

# Collaboration: What makes it work

- Is not equal
- Is not always democratic
- It is always fair
- It is always beneficial to the group
- Always creates value



# BIG GUYS

- University of Georgia (ARL)
- Emory University (private) (ARL)
- Georgia Tech (ARL)
- Georgia State University (ASERL)
- Medical College of Georgia

# Merrill's philosophy

- What helps the big guys can help others
- Use the big guys to help others
- The big guys know lots, but not everything
- The big guys have lots, but not everything

# PILOTS

- Software
  - Linking
  - Metasearch
  - Electronic Resource Management
- Benefits
  - The big guys learn from each other
  - They get to move faster
  - GALILEO learns how to implement in consortial environment
  - Less cost for all

# Challenges

- Maintain value of universal access with ever increasing costs for content
- Changing information environment
- Changing user expectations
- New ways of gathering information

# Current pricing models

- FTE
- Type of library
  - Research, 2 year, 4 year, technical or community
- What vendor sold in print plus some amount
- Budget
- Out of the air
- Discounts offered based on number of participants or total FTE
- Combinations

# Future considerations possible??

- New models
  - Number of majors
  - Price plus more if use exceeds x
  - Per search
  - Per article
  - Difficult to control costs
- Understanding cost of ownership of journal

# Consortia are like snow flakes

- VIVA, the Virtual Library of Virginia
  - All academic libraries
  - Few services beyond database purchases
- NC Live, North Carolina
  - Academic and public libraries (no customization)
- California Digital Library
  - All research libraries
- California State University Systemwide Electronic Resources Information
  - All CSU academic libraries



- OhioLink
  - All academic (public and private)
- NELINET (New England Library Information Network)
  - ESIG purchases
- SOLINET (Southeastern Library Network)
  - Nationwide Lexis Nexis
  - HBCU Library Alliance
  - Association of Southeast Research Libraries
- ICOLC (International Coalition of Library Consortia)
  - Forum for consortia issues

# EPSCoR

- Members from EPSCoR states got together formed ESIG(EPSCoR Scientific Information Group)
- Group Buying (contract w/Nelinet)
- Some deals but not many.
- <http://www.lib.montana.edu/~bmorton/esig/>
- Meet at ALA and with the EPSCoR group

# Marshall University

- ESIG has helped and has improved access to resources for Marshall Faculty
- More publications
- Faculty requested that the West Virginia EPSCoR agency provide \$200K for journal subscriptions for the library

# Canadian National Licensing Project

1. Foster innovation by expanding the volume, timeliness, quality and ubiquity of STM information available to researchers.
2. Accelerate the adoption of electronic information delivery by university libraries.
3. Accelerate the use of electronic information by university researchers.
4. Affordability: Achieve economies-of-scale in the range and cost of electronic information licensing at the national and institutional levels.
5. Equity: Improve access of researchers at smaller institutions to electronic information.
6. Provide an element of price predictability and stability.

- For example, 60% of researchers *strongly agree* that *having access to electronic journals saves (them) time to do other job-related work*. A comparable number (56%) *strongly agree* that *having access to electronic journals saves money on ... subscriptions, reprints, interlibrary loans, photocopying, etc.*

# Creating a Culture for Innovation

- Undergraduate research
- Collaboration with library
- Bioengineering Program at GA Tech
- Understanding value of library resources – UGA
- Practical research at East GA College



Dr. Arthur B. Ellis, Vice Chancellor for Research, University of California, San Diego, formerly with NSF

## ON A CLAIRE DAY

A pretty girl like you,  
working in the library  
among the works of  
history's greatest  
thinkers...



People come to you  
to guide them.  
To help them find  
the answers to  
life's  
mysteries...



And for a precious  
moment, you become  
their spiritual guide.

Tell me, what is the  
question you get asked  
the most?



by Carla Ventresca & Henry Beckett



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- Talk with your librarians
  - Options
    - Alerts or RSS feeds services
    - Purchase by the article
    - Work with librarians to show value/needs
  - Beyond the journal subscription
    - Cyberinfrastructure
    - Undergraduate research
    - Graduate student research
    - Integrate the library into the discovery process
    - Data sets

Thank you

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Questions????????????

