



# Third Global BHL Planning and Technical Meeting

Museum für Naturkunde Berlin

June 7<sup>th</sup> - 8<sup>th</sup>, 2012

# Agenda

09:00a Welcome and Introduction

## **Progress around the world updates**

09:20a Australia – Ely Wallis

09:40a Brazil – Abel Packer

10:00a Egypt – Noha Adly

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10:40a Europe – Henning Scholz

11:00a US/UK – Martin Kalfatovic



# Agenda (cont.)



## Governance Topics

11:20a Global BHL By-laws – N.Gwinn

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## Technical Topics Discussion

01:00p Synch, Replicate, Bkp, Redirect

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03:20p Consistency, Code Share,  
Shared Metadata

05:00p Adjourn for the day

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07:00p Dinner at Eschenbraeu



# A brief history...



# Wish you were here...



# Global BHL Technical Meeting

Venue: Woods Hole, MA

Dates: 22 – 24 September 2010





# Action Items 2010 – 2011

- Strategy for new areas (Russia, Africa)
- Get feedback on ratio of good names
- Review existing copyright
- Governance
  - Articulate principles and objectives
  - Branding
  - Sustainability plans
  - Press kit for communication
- Improve OCR with partners



## Action Items 2010 – 2011 (cont)

- Improve OCR with partners
- Article-ization feature more visible
- Promote use of open URL Resolver
- Talk to CrossRef
- GRIB
- Synch Data
- Replicate Data
- Global Calendar





# Second Global BHL Planning Meeting

Venue: Chicago, Illinois, USA

Dates: November 13<sup>th</sup> 2011

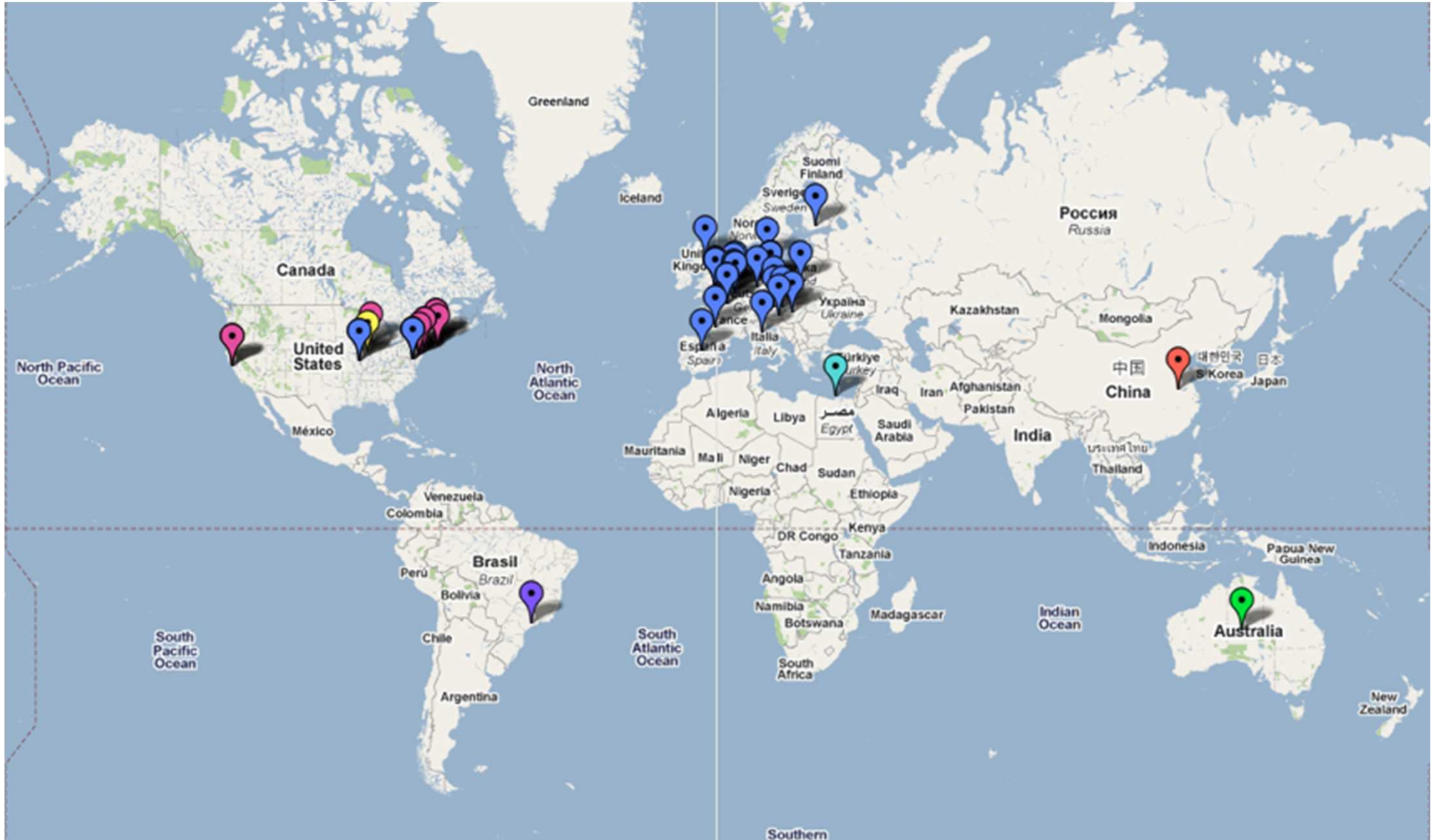


# Action Items 2011 – 2012

- Quarterly Reports
- GBIF and IPBES
- gBHL-CC by-laws and Meeting
- Press release
- Website
- Copyright



# Progress around the World



# Progress around the World



Australia

Brazil

Egypt

Europe

US/UK

# GLOBAL BHL is...

a cooperative network  
of autonomous members  
operating programs and projects  
to make biodiversity literature available  
through open access principles.





Nancy Gwinn, BHL Chair

# GLOBAL BHL BY-LAWS



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# TECHNICAL TOPICS





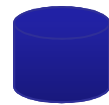
# Synchronization

- Review and optimize the way that synchronization of books is currently done at different locations.
- Keep track of who has what. Periodically, make sure that all nodes have synchronized all the books they want to synchronize.
- Should all sites keep all files?
- How synchronized (monthly, weekly, daily) will different types of information be (e.g. content, copyrights info, metadata, pagination)?





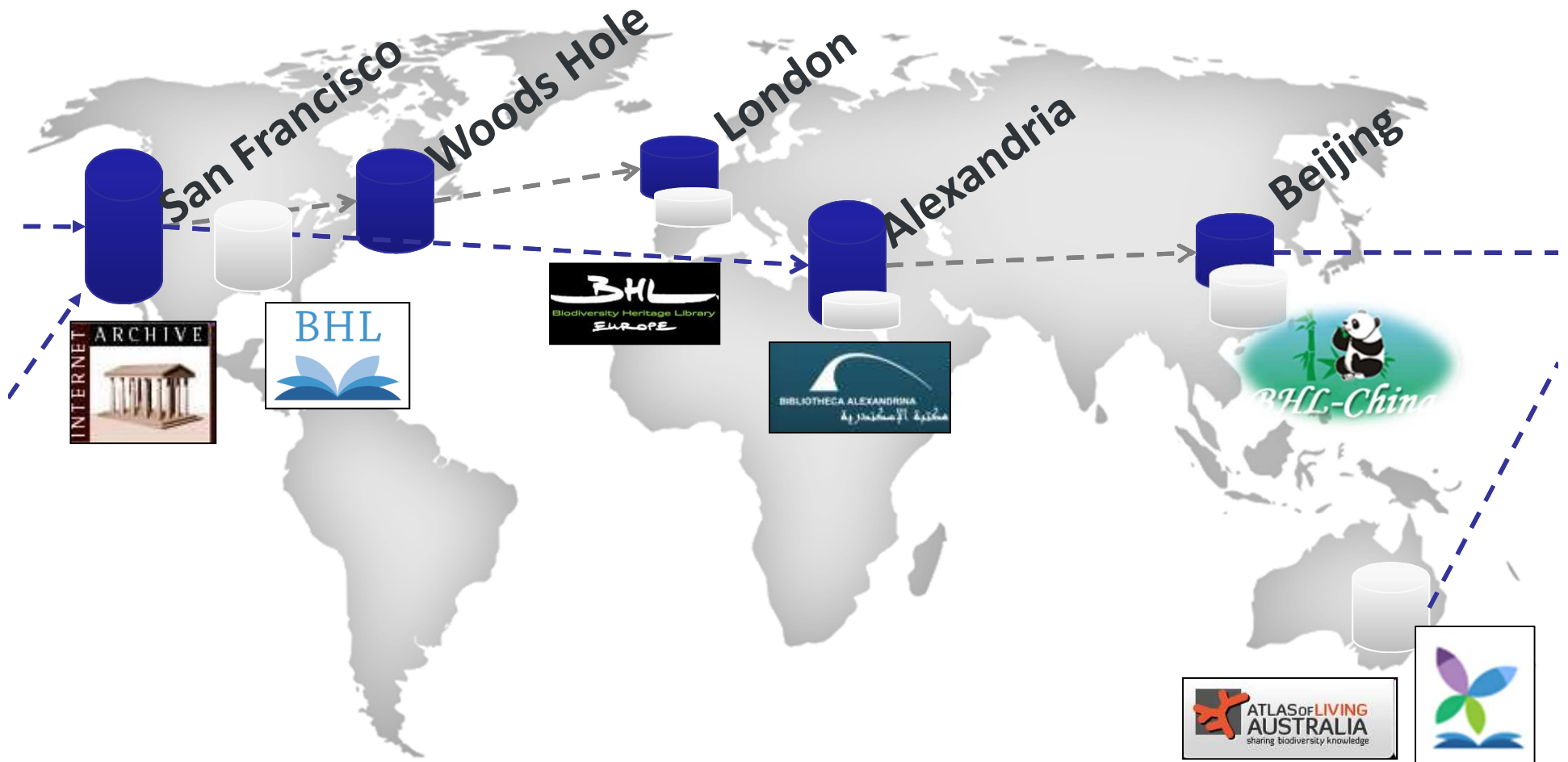
# Global Replication & Serving



Replicated Data Center



Portal Application





# Global Replication

- How can a site know what book is on which sites?
- How can a site request a copy of a book from another site?
- Could sites implement a web service that provides a query and access to their content in a certain standard to check if a site has a book?



# Backup

- How to use Internet synchronization for incremental backups.
- What is the order or precedence of nodes?
- Which site is to be considered the master?
- Who should take from which site?
- Should there be any preference to select the sites?
- Should site x check site y first then site z?



# Redirection

- Can we implement redirection to another node that holds the book based on different things like geolocation, current availability or current load?
- Could each node keep an index of what each other node has?
- We should also discuss possible changes in the 404 mechanism for BHL-US, in case it may need some tweaking.



# Consistency

- Maintaining the consistency of files (comparing against md5s periodically)
- Have some partners have errors when copying files from disks / cluster / IA?
- What procedure should be followed when a consistency error is found?



# Code Share

- How to share and benefit from local developments. For example, the User Interface and Annotations from BHL-Australia and BHL-US, the Search functionality from BHL-Europe, the OCR functionality at BHL-Egypt, the Common names functionality from BHL-China and BHL-Europe.
- Could we consider co-development or adopting one set of tools for each service (portal, dedup/GRIB, exhibitions)?





# Shared Metadata Standard

- We will all have local metadata needs but then as records are shared among ourselves what metadata standard can we all agree to use for data exchange? MODS?
- How would each site maintain the different formats, if the internal format used is different than the ones used in other sites?
- Could there be an agreed exchange format that we all could provide and consume?



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# TECHNICAL TOPICS (CONT.)



# Technical Topics

## Scan Requests –

Strategy for handling and managing scan requests globally

## Deduplication –

Avoiding duplication of scanning.

What is the current status of the GRIB?

Who will use it beyond BHL-Europe?



# Technical Topics

## Feedback –

How to coordinate feedback (issues) between the nodes?

If BHL-Europe receives a bibliographic issue for an BHL-US item, for example, how to coordinate feedback.

This should include requests for scanning too



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# TECHNICAL TOPICS (CONT.)



# Technical Topics

## Scan Permissions –

Coordinating permission to scan in-copyright content.

Any International Copyright issues we would like to consider?





# Technical Topics

- **Subcollections of BHL content content –**  
BHL-US/UK has sub-collections of content in the BHL portal as well as in iTunes U.  
BHLE has the Virtual Library Exhibitions.  
Perhaps there are ways to coordinate these efforts?
- What about additional global nodes -- could we use existing tools to showcase global partner sub-collections?





# Technical Topics

- **Coordinated Communication Plan –**
  - Who is in charge of outreach and communication for each node?
  - What communication activities are you performing/involved in?
  - How can we coordinate activities across global nodes?



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# PARKED ITEMS



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# FUTURE PERSPECTIVES



# Future Perspectives

- **Sustainability**
- **Regionalization**
- **Future meetings**



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# PROJECT IDEAS & PROPOSALS



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# ACTION ITEMS



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# NEXT STEPS & WRAP-UP