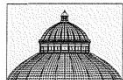


The Macrofungi Collections Consortium



Barbara M. Thiers & Roy E. Halling,
Lead P.I.s



THE NEW YORK BOTANICAL GARDEN

The Macrofungi Collections Consortium

- Consists of 35 institutions in 24 states:
 - Thirty one large and small universities
 - Two botanical gardens
 - Two natural history museums
- Data incorporated from one federal agency



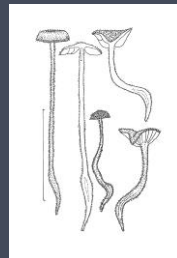
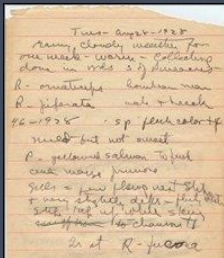
Goals and scope of MaCC

- Digitize all specimen data, selected specimens, field notes and photographs for macrofungi in U.S. collections
- Aggregate digitized data through the Mycoportal (Symbiota) in order to:
 - Facilitate innovative research on macrofungi
 - Contribute to the national collections digitization initiative
 - Engage the citizen mycologist community
- Engage citizens
 - Amateur mycologists who provide biodiversity data
 - crowdsourcers

Accomplishments 2011-2015

Work Completed:

- Ca. 650K specimen records newly digitized
- Ca. 550K images newly captured
- 1.9 million records in the MycoPortal
- Ca. 300K specimens newly georeferenced



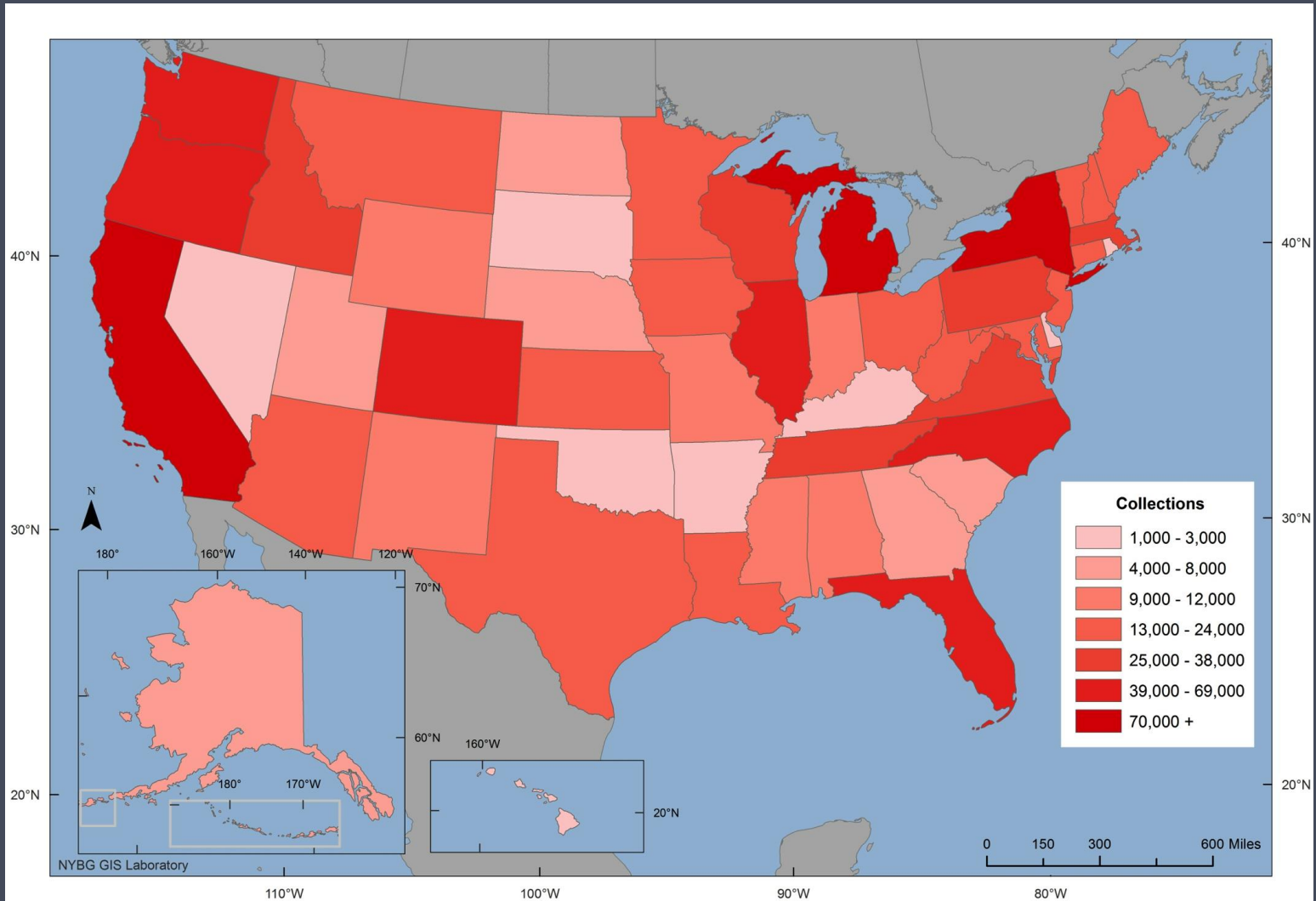
MaCC Project Management

- Comprehensive project manual
- Small group training offered to all participants
- Staged record creation
- Record completion strategy
 - Centralized record completion staff
 - Crowdsourcing and on-site volunteers
 - Fieldbooks
 - Semi-automated Workflow for Record Creation (SWORC)
- New features in Symbiota to make enhance SWORC
 - Record sorting by user-defined criteria
 - Incorporation of SALIX technology

Research Facilitated

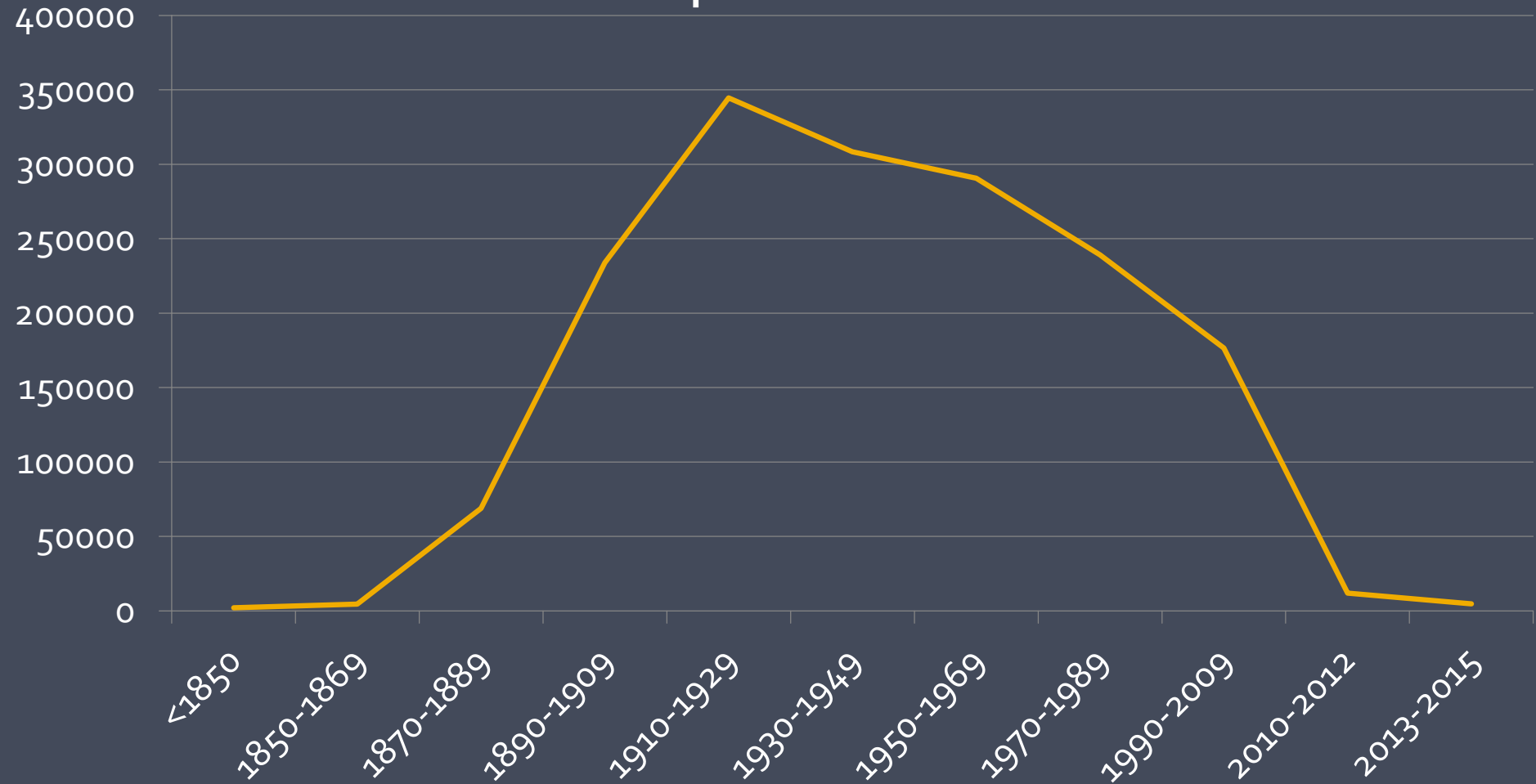
- Mycota of North America project (in development)
- aDIV Project: Analyzing the rates of diversification of Agaricales
- Field Guide to Northeastern North American Fungi
- Biogeographica/phylogenetic study of the genus *Amanita* in Australia and Southern South America
- Study of potential temporal shifts in basidome production times across North America in the genus *Gyroporus*
- MycoPortal has been cited in at least six articles describing new species or revising existing ones

Gap Analysis: Geographic Coverage



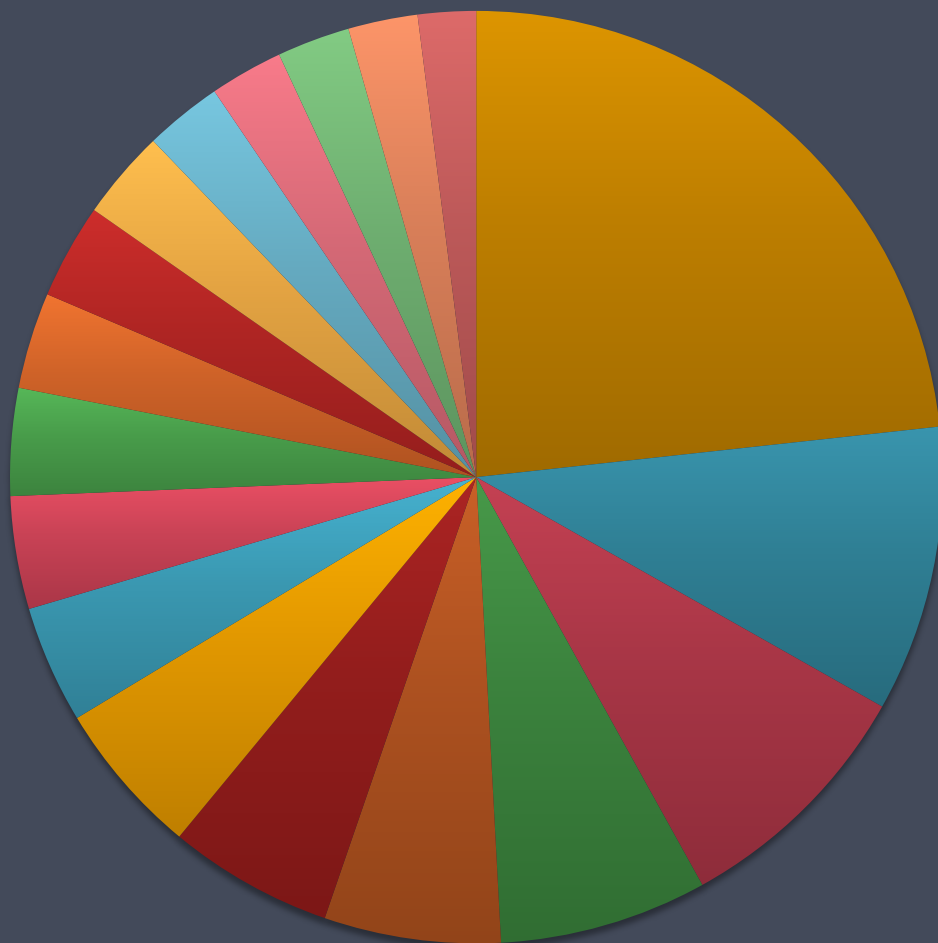
Gap Analysis: Temporal Coverage

Number of Specimens

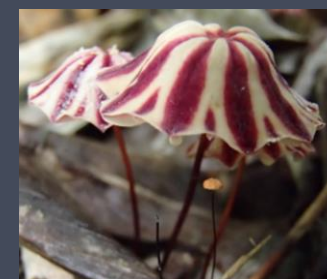


Gap Analysis: Taxonomic coverage

Number of Specimens



- Polyporaceae
- Agaricaceae
- Russulaceae
- Tricholomataceae
- Strophariaceae
- Boletaceae
- Cortinariaceae
- Stereaceae
- Meruliaceae
- Inocybaceae
- Mycenaceae
- Hymenochaetaceae
- Amanitaceae
- Hygrophoraceae
- Entolomataceae
- Corticiaceae
- Fomitopsidaceae



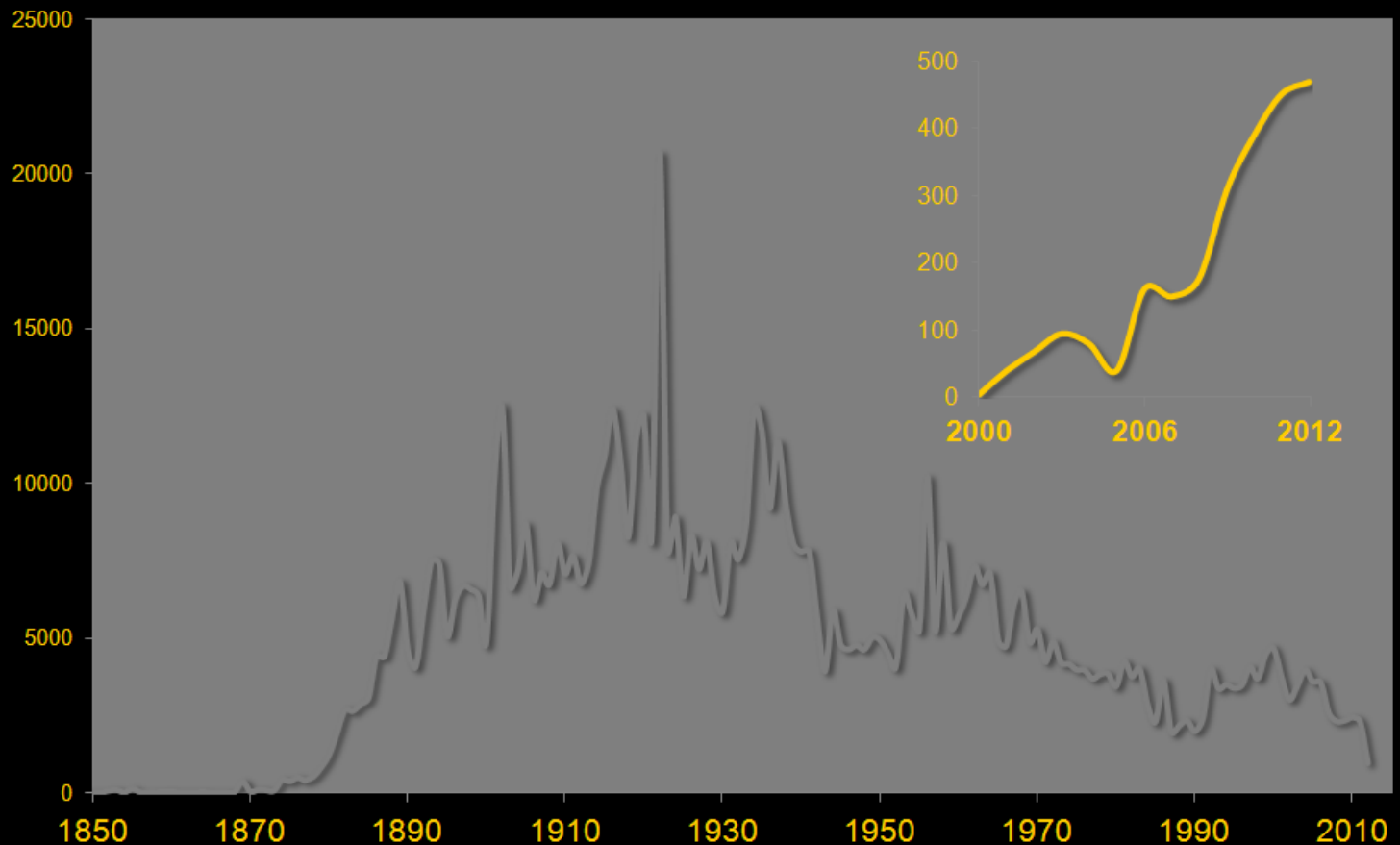
Broader Impacts: Workforce

People Involved in the Project:

- 42 salaried staff
- 32 temporary, part time staff
- 126 students or recent graduates

Broader Impacts: Engage the citizen mycologist community

Number of specimens from private collections of citizen scientists tracked on MyCoPortal



Broader impacts: Crowdsourcing


Notes from Nature

A Zooniverse project


COLLECTIONS ABOUT DISCUSS BLOG

2 collections available

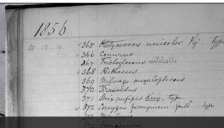
Browse through them and select your favorite



19%



29%



Coming Soon

Herbarium
SERNEC

Calbug
Essig Museum Collections

Ornithological
Natural History Museum

MYCOLOGY COLLECTIONS PORTAL

Home Explore Crowdsourcing Checklist Projects Other Resources Acknowledgements Log In

Crowd Sourcing: Get Involved!

We need your help in advancing this project! Follow the instructions below to join the crowd sourcing effort:



Fungi with conspicuous spore-bearing structures are commonly known as macrofungi (e.g., mushrooms, puffballs, club fungi, morels, stink horns, truffles, and cup fungi). The Macrofungi Collection Consortium NSF funded project that unites collections of macrofungi (currently 38 participating institutions) to digitize information. This information documents the diversity and distributions of macrofungi in North America; specimens were first deposited in U.S. fungaria in the 1800's.

Since its beginning, the MaCC project has made over 1.5 million records of macrofungi available

Illinois Natural History Survey (University of Illinois) (ILLS:ILLS)

Home >> Collection Management >> Editor

Occurrence Data Determination History Images Admin

Collector Info

Catalog Number: 52956 Other Numbers: Collector: C.H. Peck Number: 821 Date: 1876-08-01 Dupes? Auto search

Associated Collectors

Latest Identification

Scientific Name: Sphaeria abdita Author: Berk. & M.A. Curtis ID Qualifier: Family: Xylariaceae Identified By: M.C. Cooke & C.H. Peck Date Identified:

Locality

Country: USA State/Province: New York County: Albany Municipality:

Locality: Albany

Locality Security

Latitude Longitude Uncertainty Datum Elevation in Meters Verbatim Elevation

Verbatim Coordinates Georeferenced By footprint (polygon)

Georeference Protocol Georeference Sources Georef Verification Status Georeference Remarks

