The Vertebrate Networks

FishNet 2

Est. 1999, 2004

40 collections (2012)

MaNIS — Mammal Networked Information System

Est. 2001

41 collections (2012)

187 Active Collections
81 Participating Institutions

HerpNET

Est. 2002

57 collections (2012)

ORNIS

Est. 2004

49 collections (2012)

GBIF
www.gbif.org

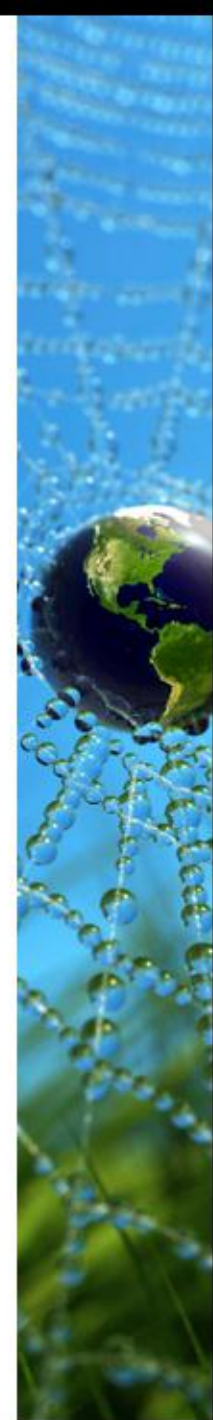INTERNATIONAL YEAR OF FORESTS · 2011

The Vertebrate Networks Primary Goals

Facilitate open access to specimen data on the web

Enhance the value of specimen collections

Conserve curatorial resources

Use a design easily adapted by other disciplines with similar needs
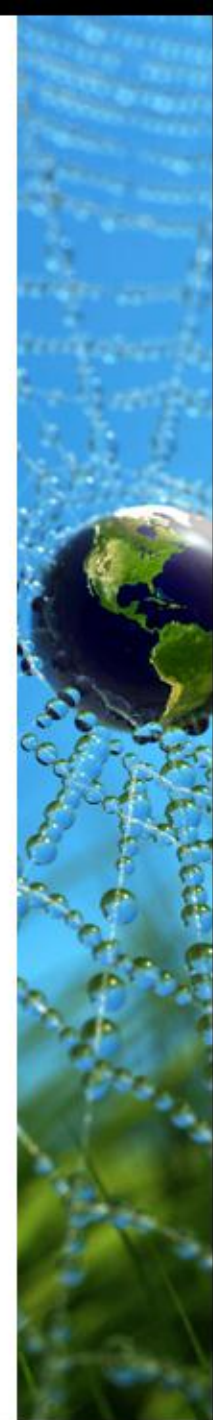
The Vertebrate Networks General Goals

Data Mobilization

Data Improvement

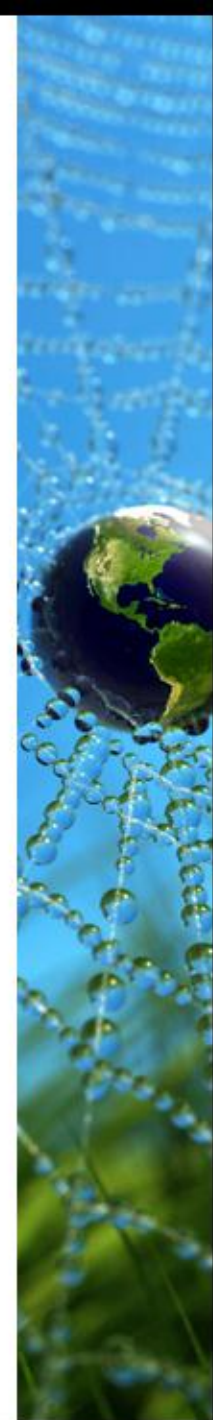*Data Availability*

Integration
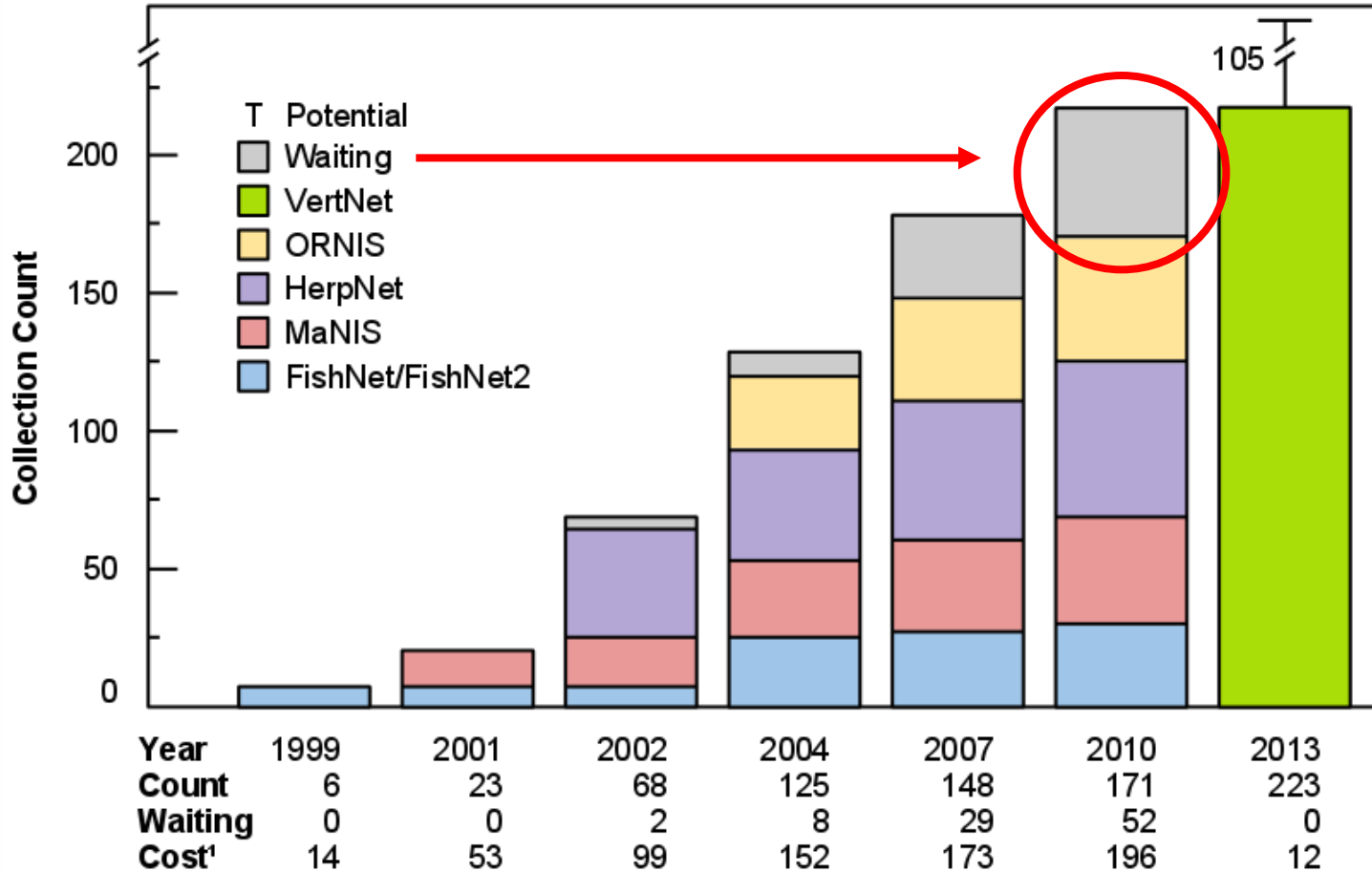
Training

The Vertebrate Networks Critical Challenges

Performance

Scalability
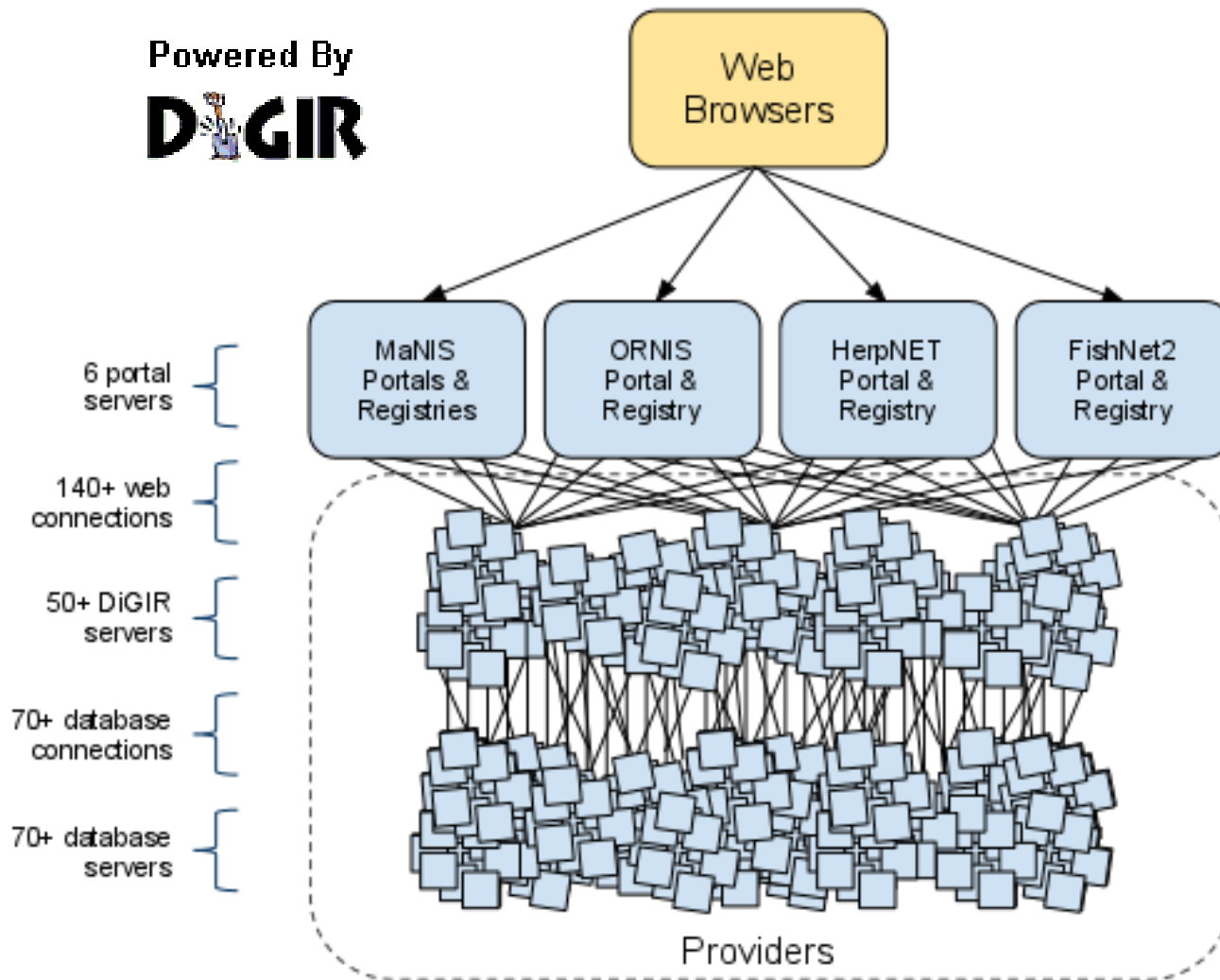
Sustainability

Growth of the Vertebrate Networks
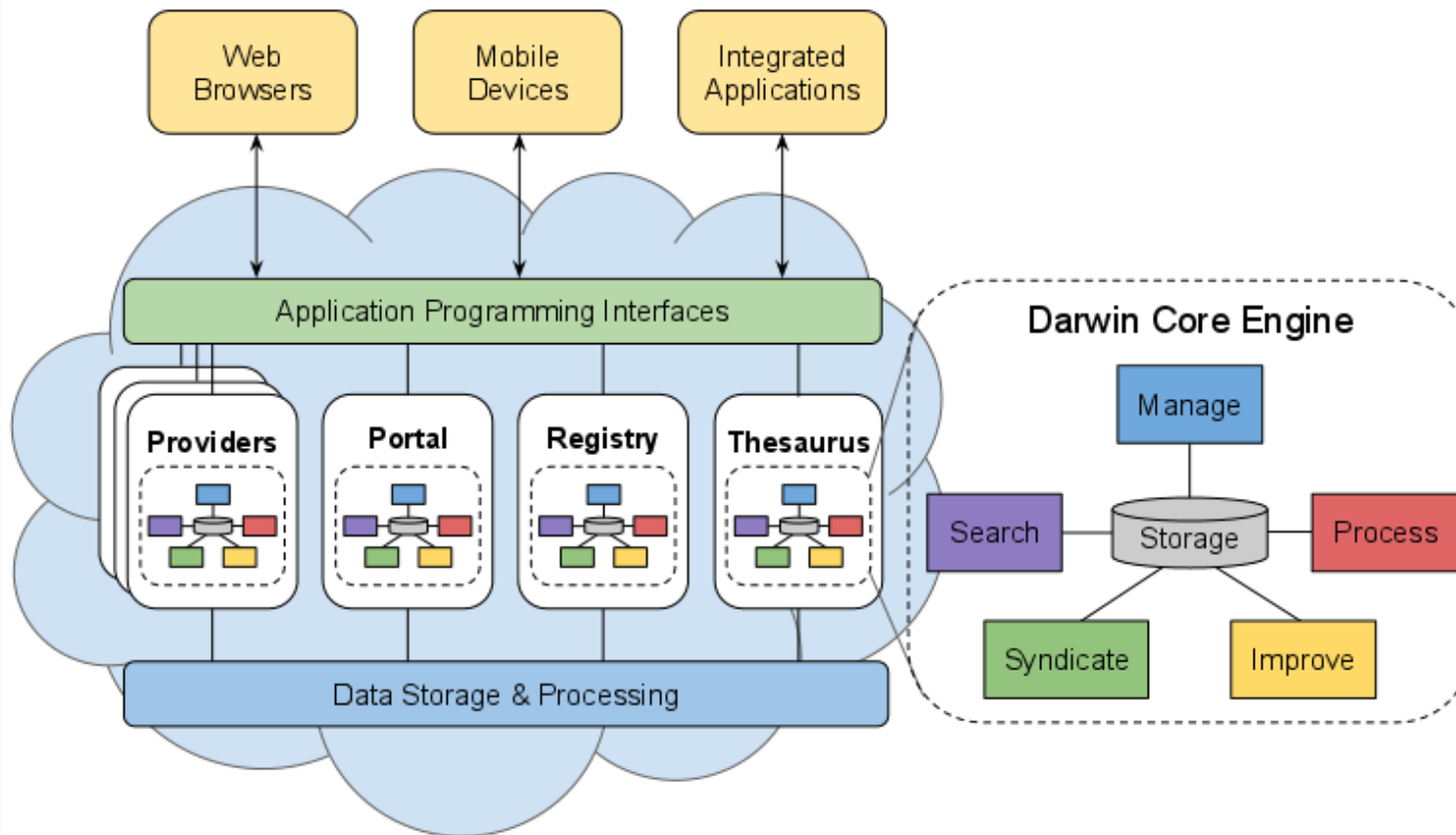
The Vertebrate Networks Current Architecture

VertNet
A Unified Data-Sharing Network

VertNet
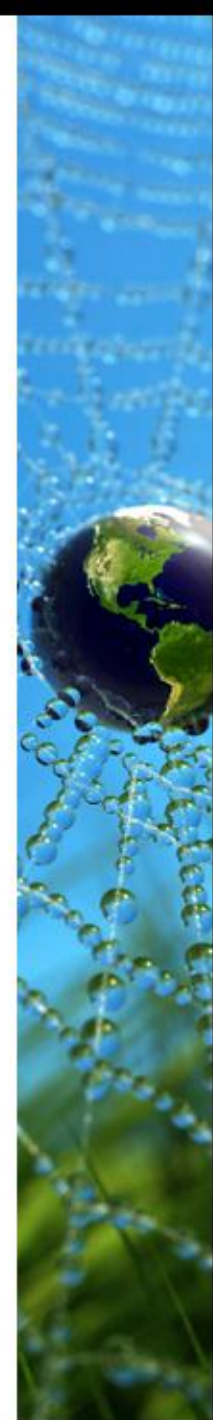# New Architecture

VertNet
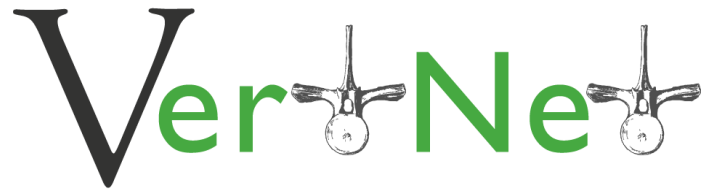# Integration Partners

Arctos

Specify

GEOLocate

Map of Life

Encyclopedia of Life

NEOMAP

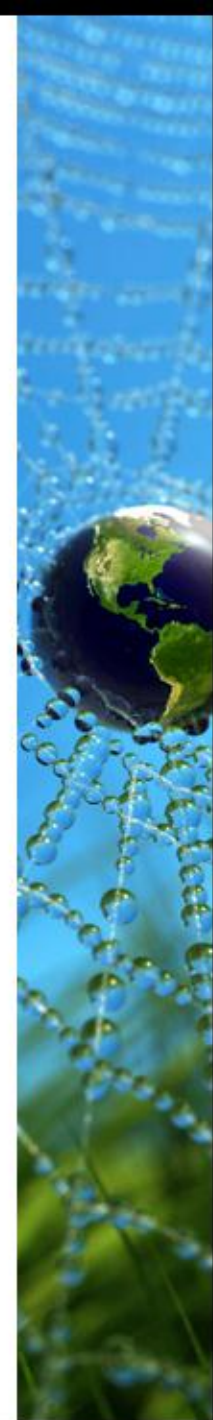# VertNet Training and Data Improvement - Georeferencing

Ver Ne

28 Georeferencing Workshops

US, Belgium, Canada, Denmark, Spain,
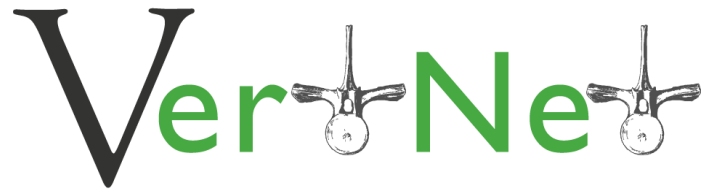
Argentina, Tanzania, South Africa

~500 Trained

47 Countries

And counting....

VertNet Training

Biodiversity Informatics

Training Workshop - June 2012

Data sources

Tools for research

Analysis

Workflows

Advanced undergrads to post-docs
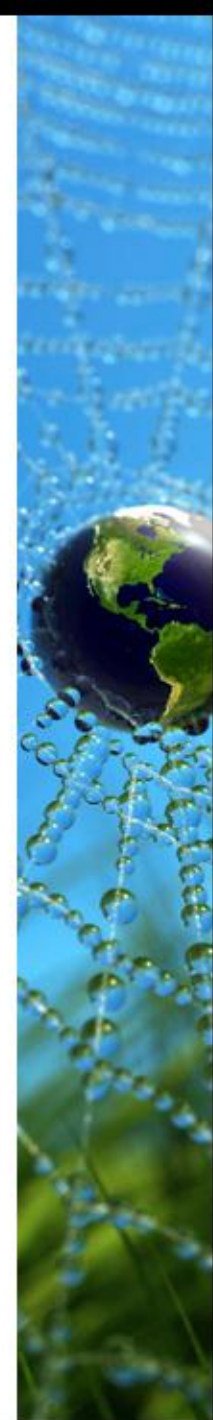
VertNet Status - 2012
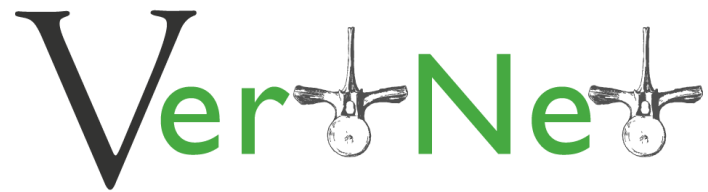
VertNet

Data Publishing

Search

Data Replication

VertNet Scope
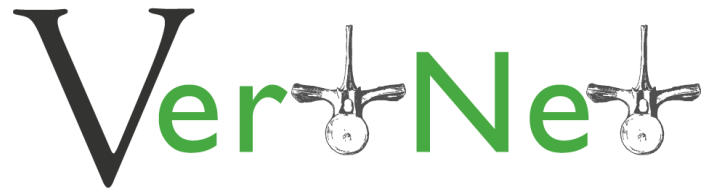
VerNe

Vertebrates

Specimens & observations
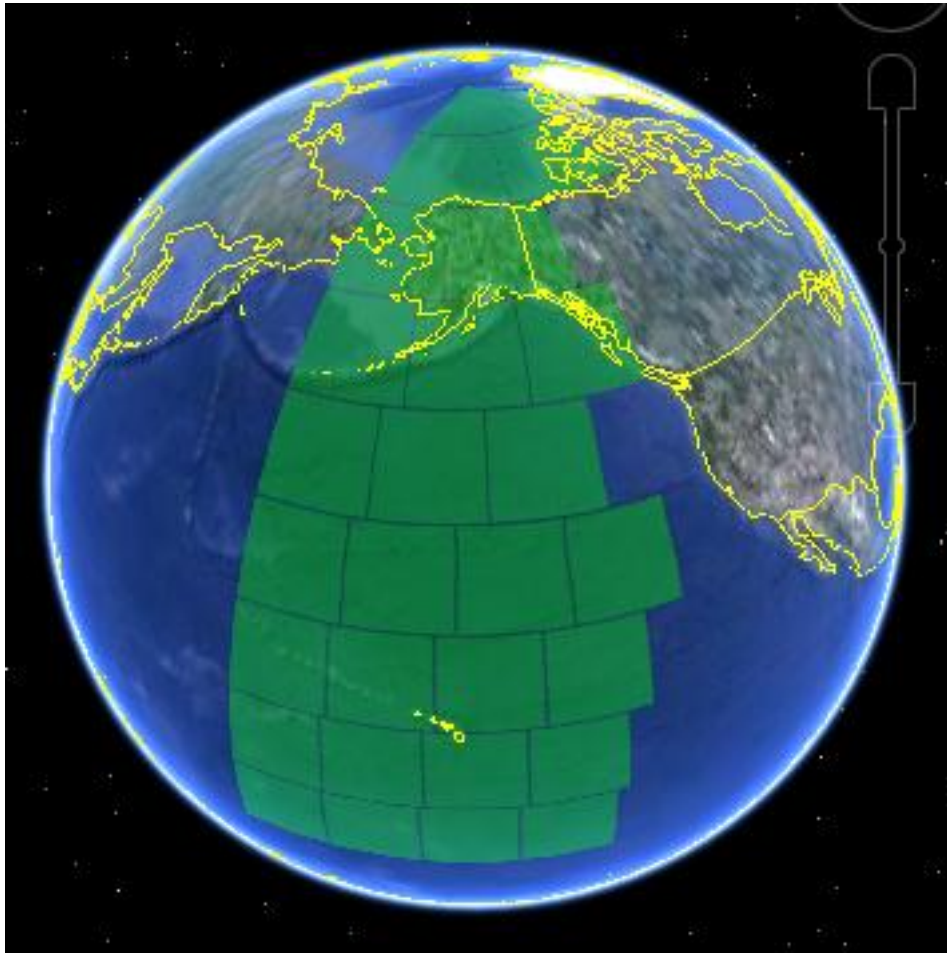
Global

Darwin Core
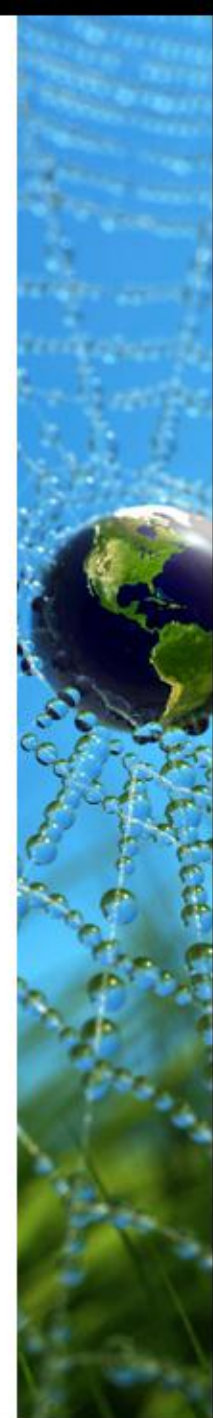
How are the data used?
Grinnell Resurvey Project/UC Berkeley
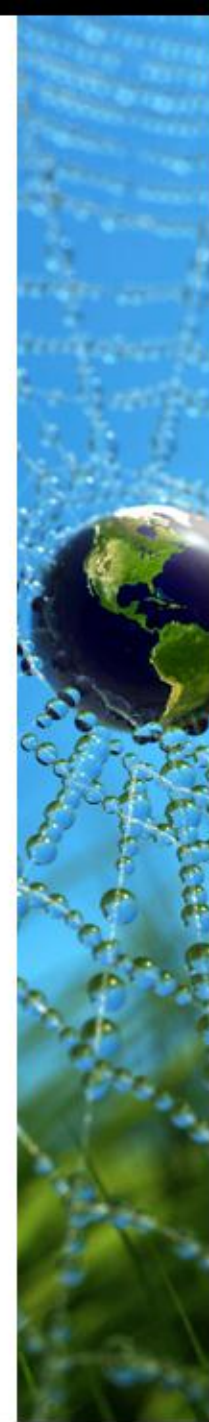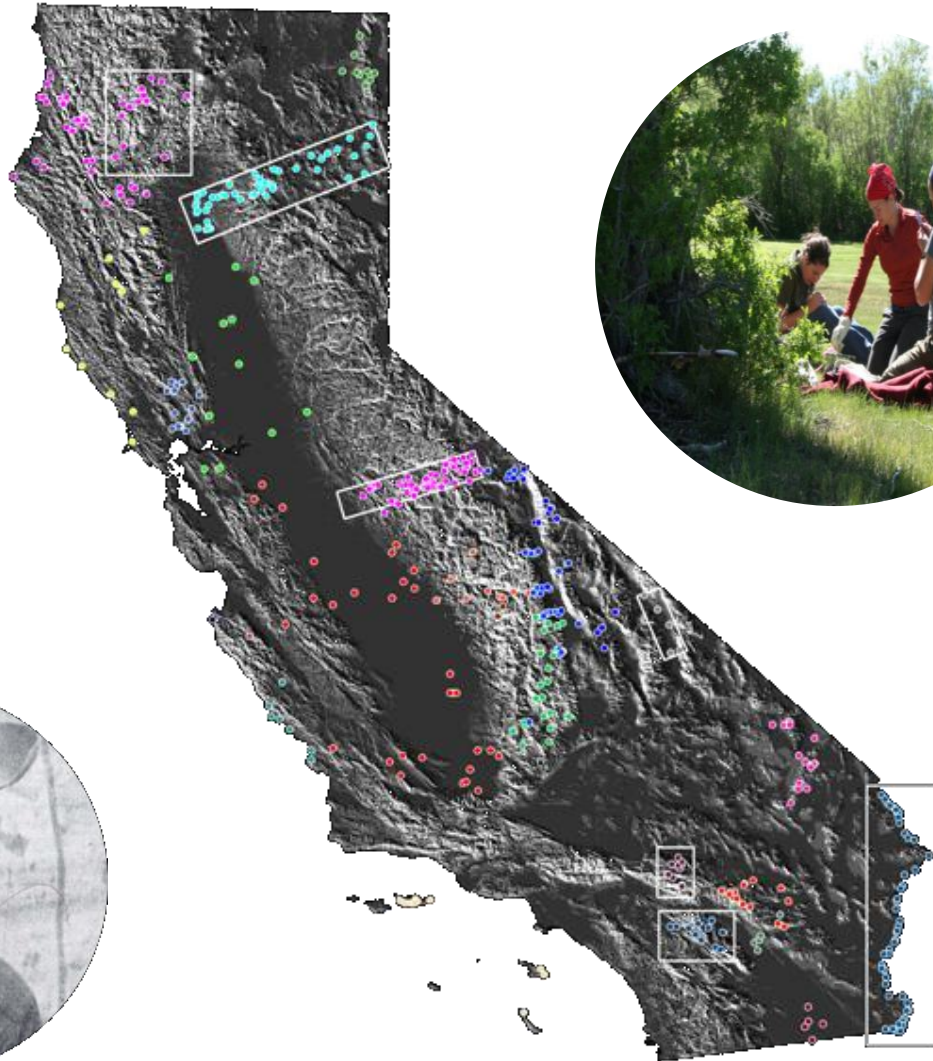
The Future
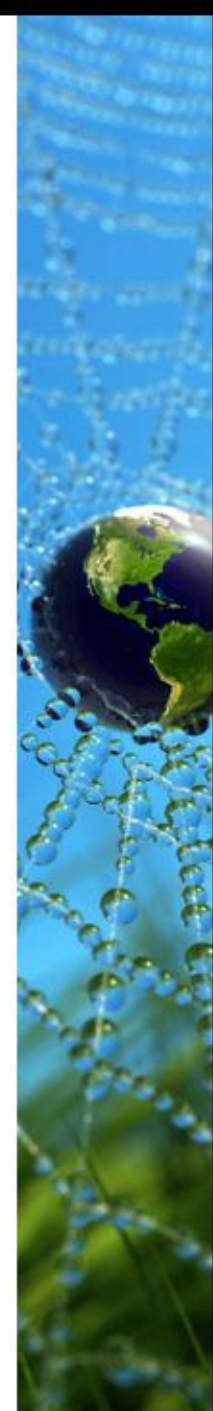
"At this point I wish to emphasize what I believe will ultimately prove to be <u>the greatest purpose of our museum</u>.

This value will not be realized until the lapse of many years, possibly a century, assuming that our material is safely preserved.

And this is <u>that the student of the future will have access to the original record</u> of faunal conditions in California."

- Joseph Grinnell, 1910

Links to VertNet

Example one:
Notes from Nature

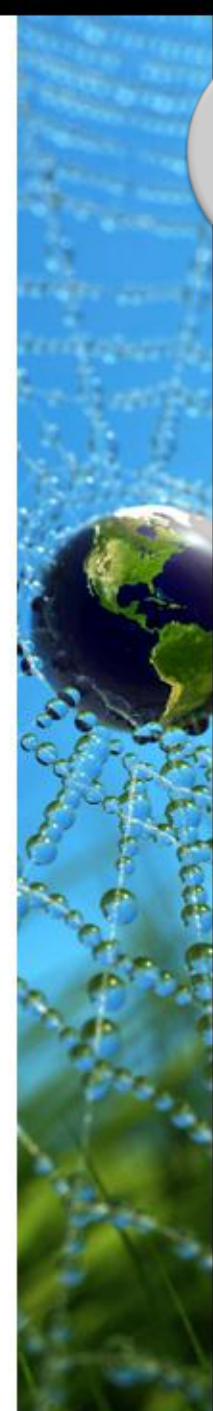A citizen science application for transcribing museum ledgers and labels

MAP
OF
LIFE

Integrating
Distributional
Data and
Knowledge

MAP OF LIFE FRONT-END

http://canary.mol-lab.appspot.com/

MAP OF LIFE FRONT-END

http://canary.mol-lab.appspot.com/