

The Vertebrate Networks



Est. 1999, 2004

40 collections (2012)

Mammal
Networked
Information
System



Est. 2001

41 collections (2012)

187 Active Collections
81 Participating Institutions



Est. 2002

57 collections (2012)



Est. 2004

49 collections (2012)

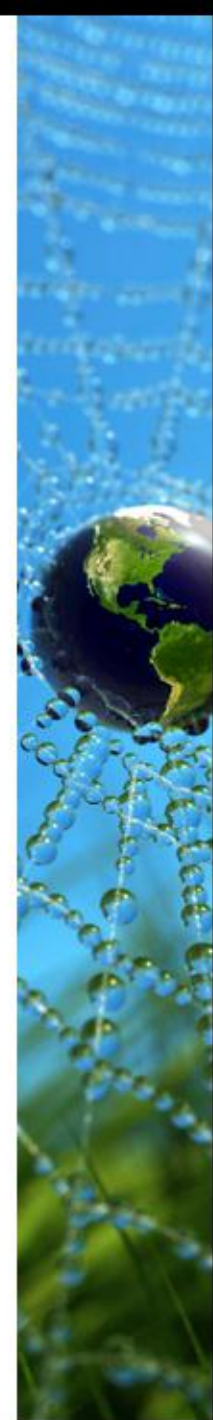
The Vertebrate Networks Primary Goals

*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

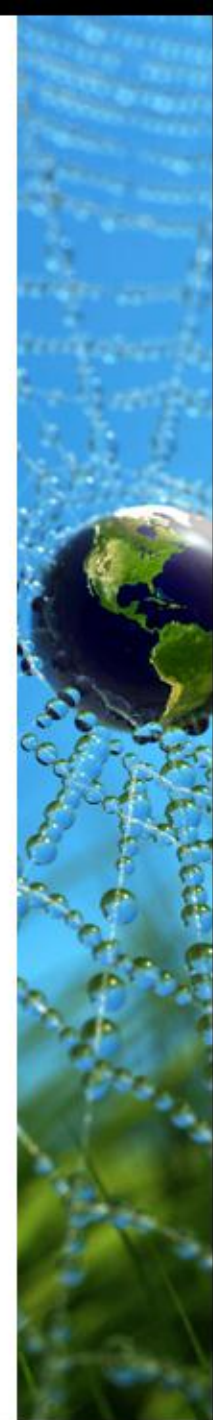
Data Mobilization

Data Improvement

Data Availability

Integration

Training

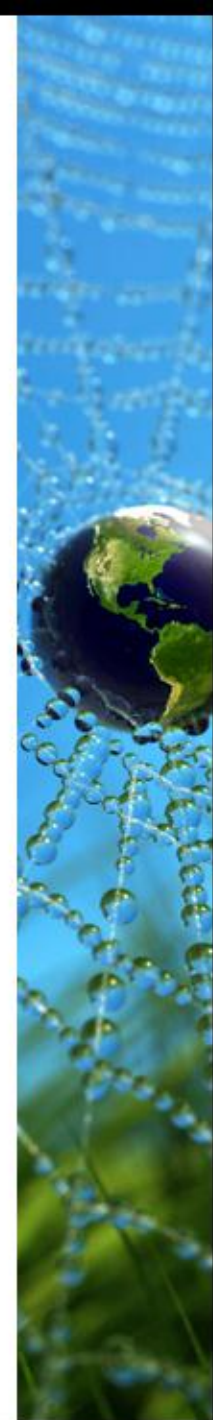


The Vertebrate Networks Critical Challenges

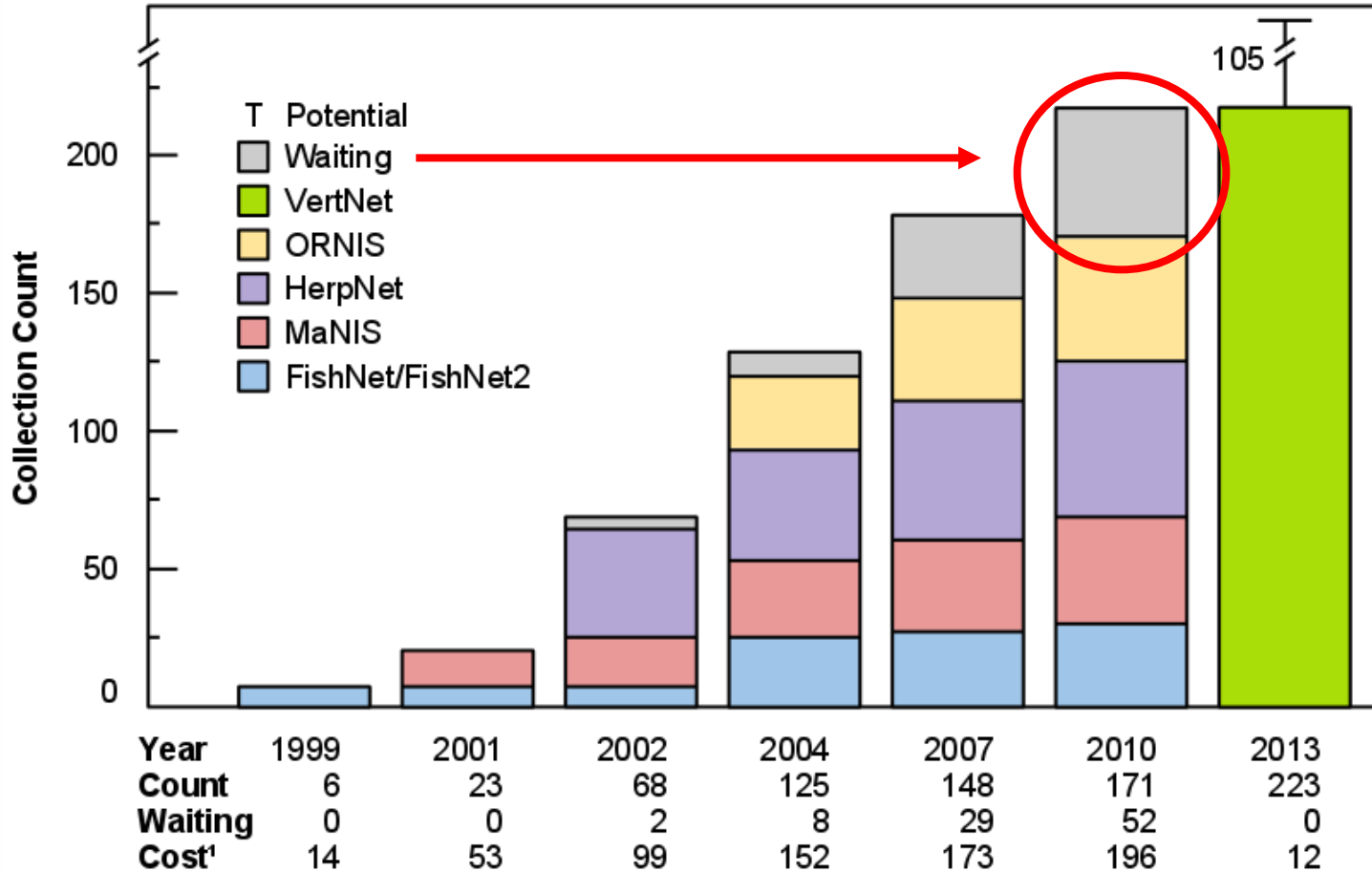
Performance

Scalability

Sustainability



Growth of the Vertebrate Networks

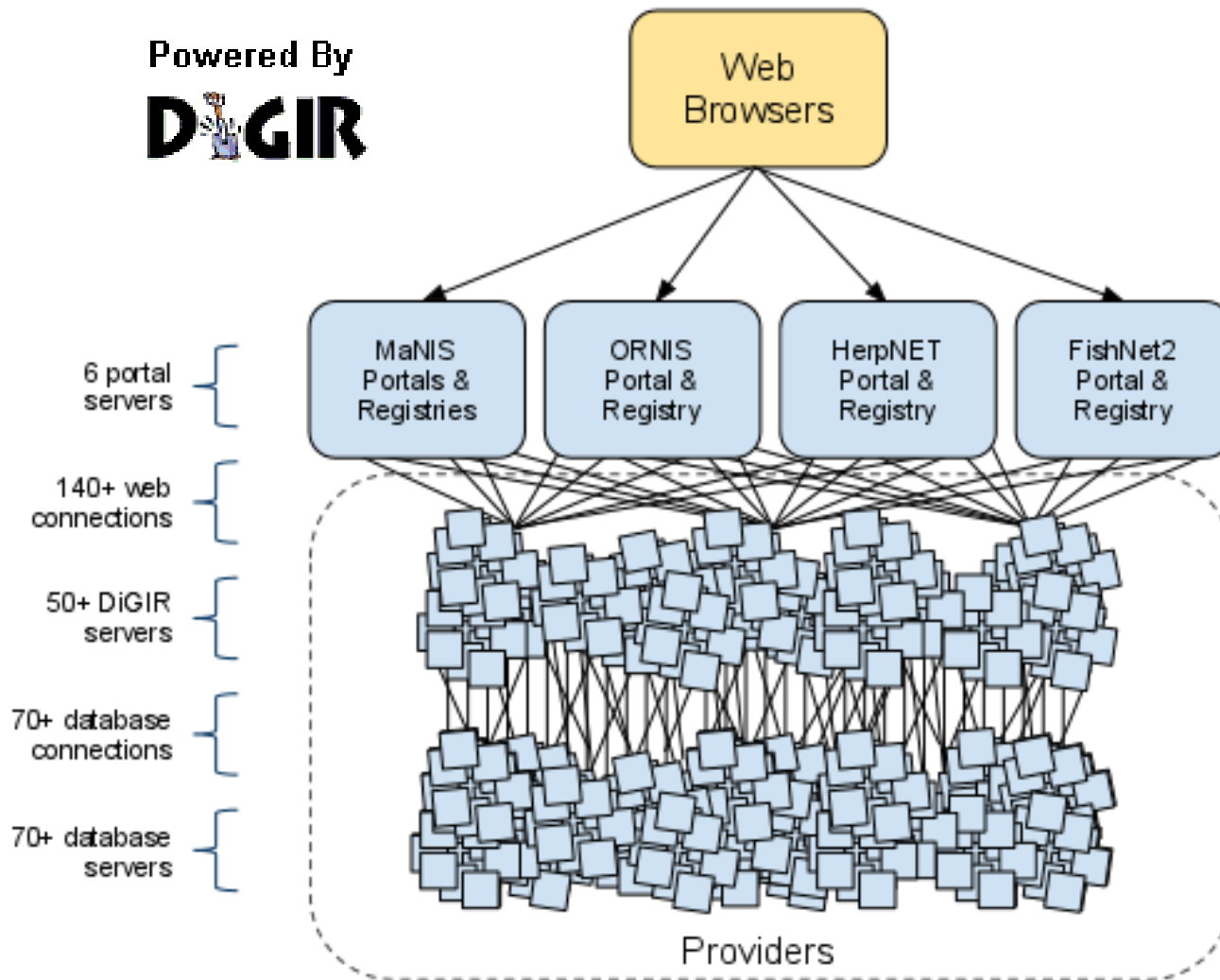


¹ Total Operating Cost per Year in USD (x1000)



The Vertebrate Networks Current Architecture

Powered By
DiGIR

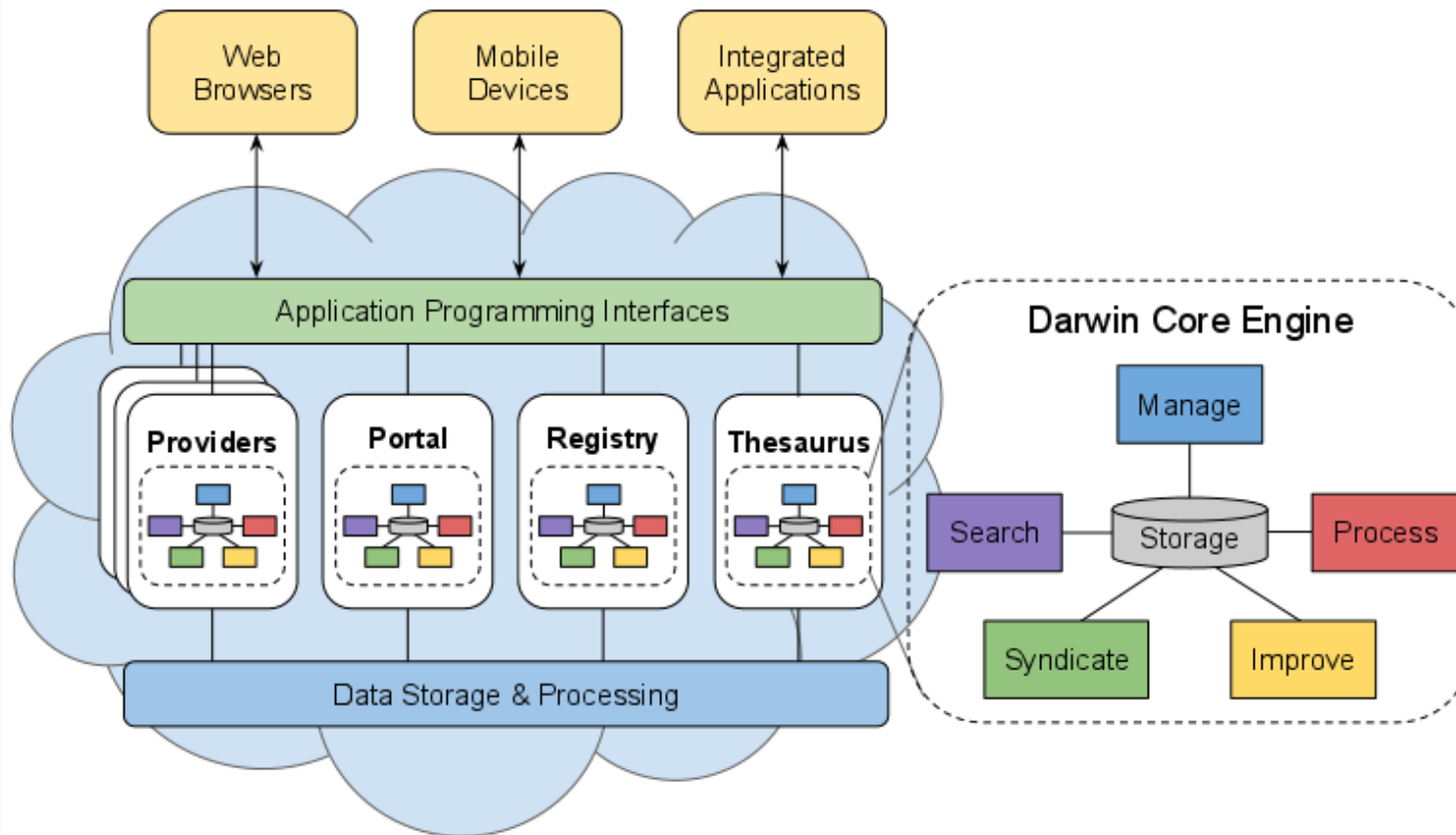


VertNet

A Unified Data-Sharing Network



VertNet New Architecture



VertNet Integration Partners

Arctos

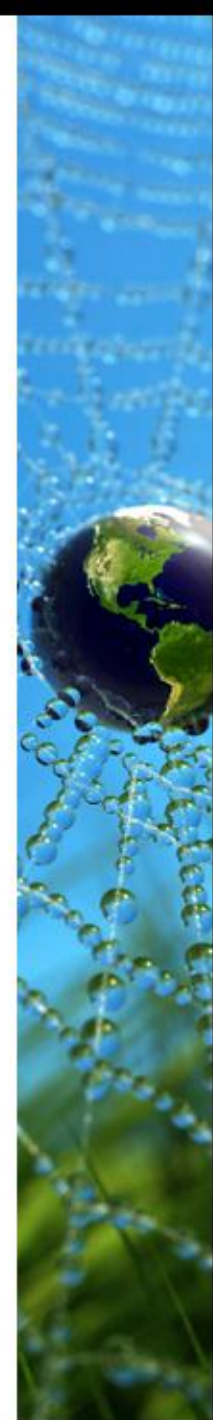
Specify

GEOLocate

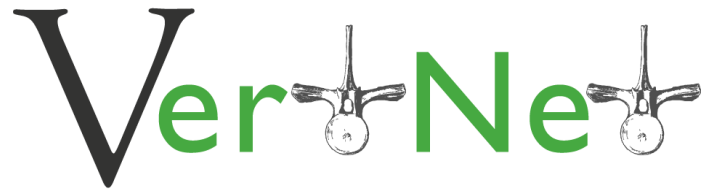
Map of Life

Encyclopedia of Life

NEOMAP



VertNet Training and Data Improvement - Georeferencing



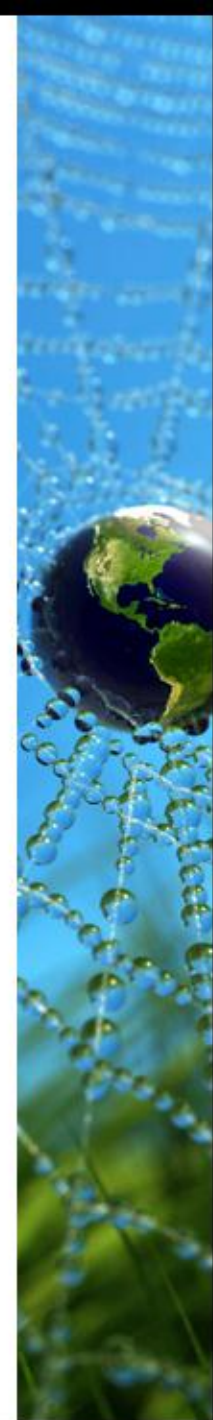
28 Georeferencing Workshops

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

~500 Trained

47 Countries

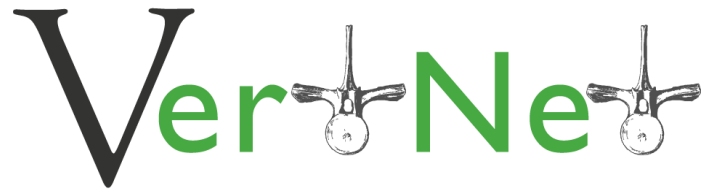
And counting....



VertNet Training

Biodiversity Informatics

Training Workshop - June 2012



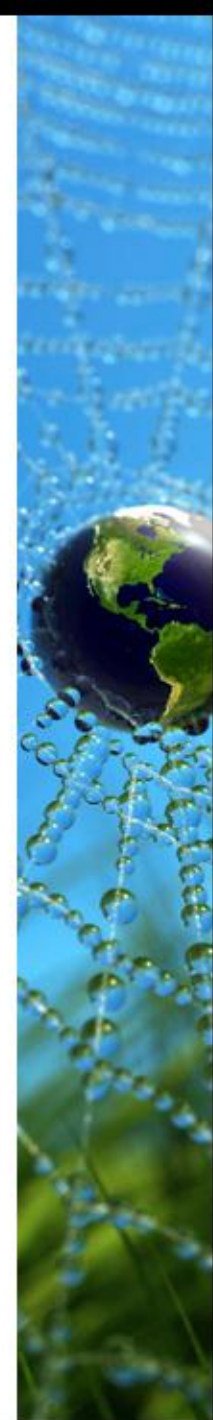
Data sources

Tools for research

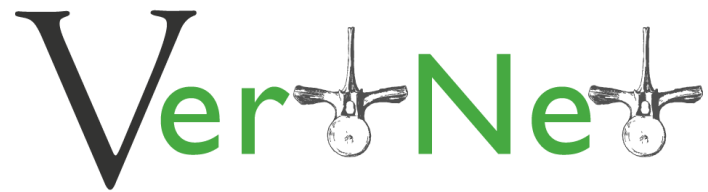
Analysis

Workflows

Advanced undergrads to post-docs



VertNet Status - 2012

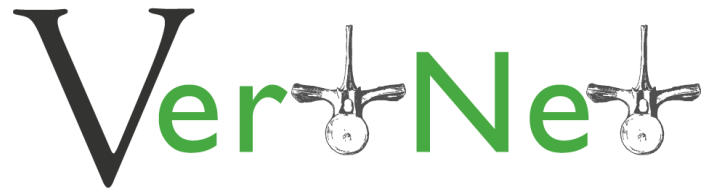


Data Publishing

Search

Data Replication

VertNet Scope

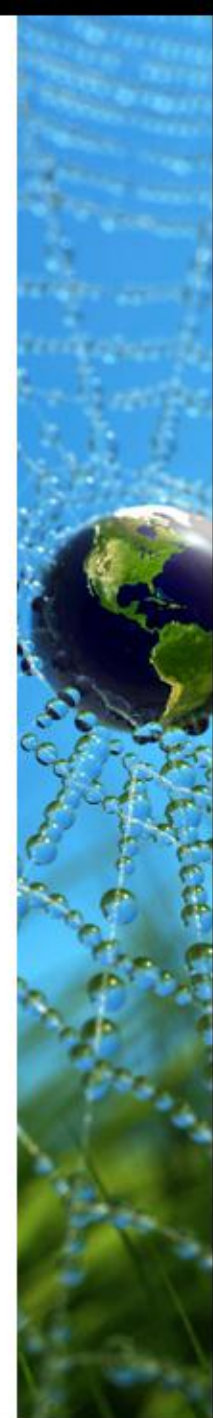


Vertebrates

Specimens & observations

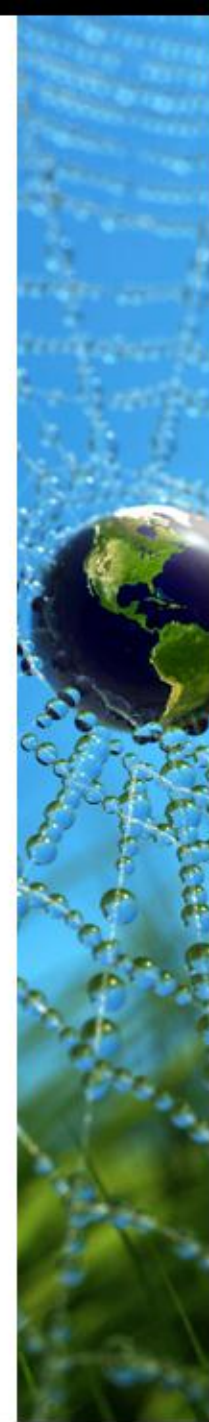
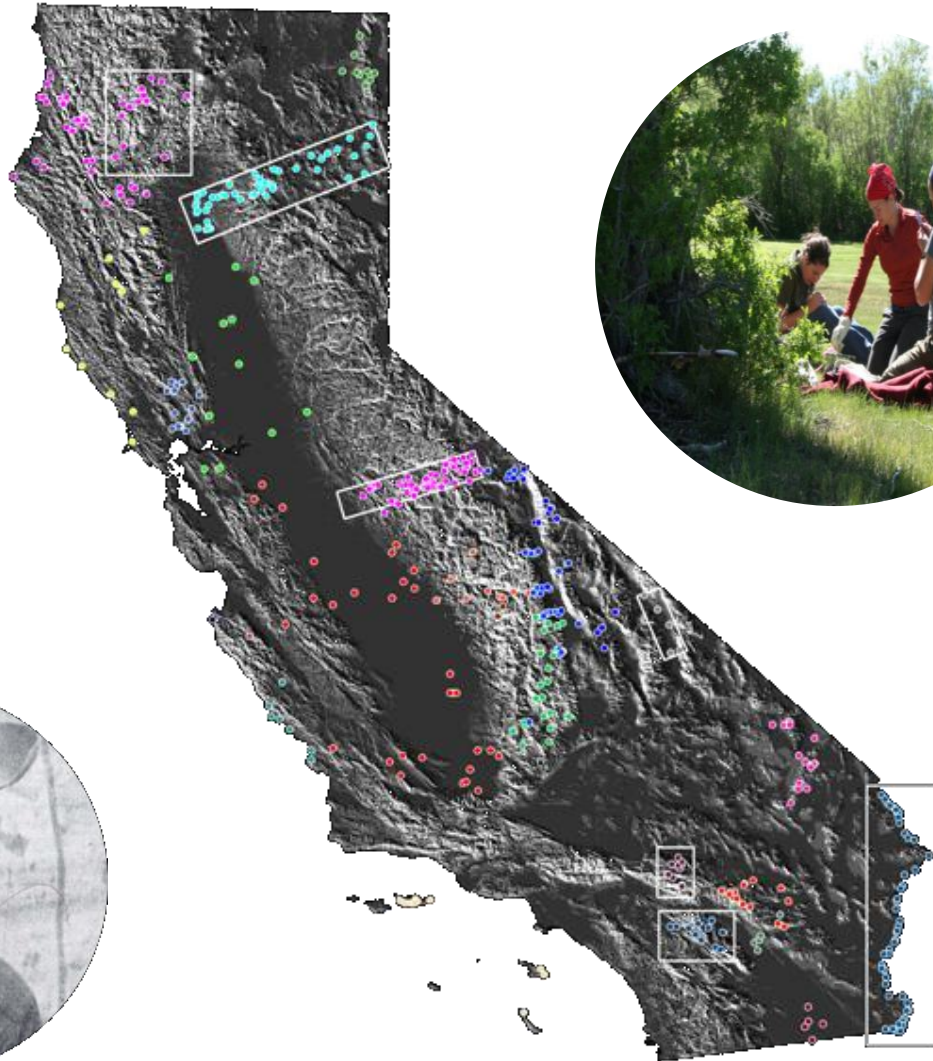
Global

Darwin Core



How are the data used?

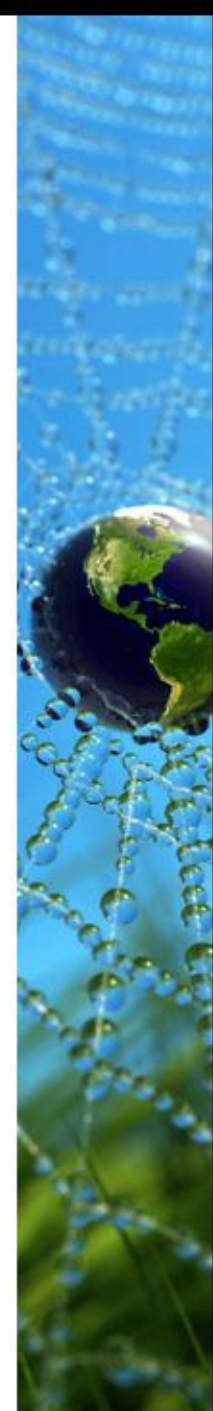
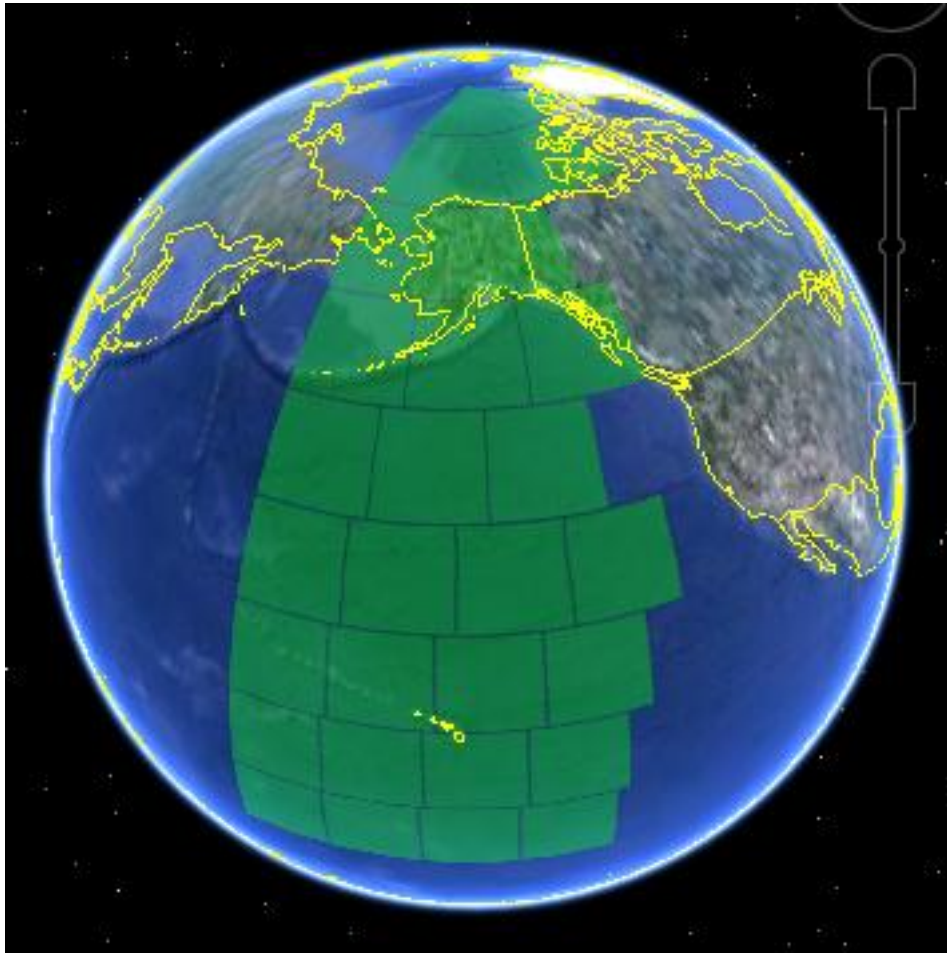
Grinnell Resurvey Project/UC Berkeley



The Future

VerNe

KU BIODIVERSITY
INSTITUTE
The University of Kansas



“At this point I wish to emphasize what I believe will ultimately prove to be the greatest purpose of our museum.”



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 that the student of the future will have access to the original record of faunal conditions in California.”

- Joseph Grinnell, 1910

Contribute to the science and become a transcriber

TAKE NOTES FROM NATURE



7

Collections available

31,921

Specimens in total

34%

Already digitized

1,312

Users contributing

Why this is important?



Museums have lots of interesting specimens

Without having all the information that the collections have on the specimens, scientists cannot get all the value behind them.



Become a real transcriber!

Get started contributing to any collection and get badges on the way. Are you ready to be a real transcriber and do real science?



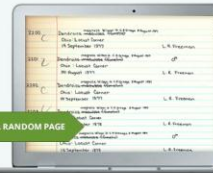
You are contributing to the science. Thank you!

Without having all the information that the collections have on the specimens, scientists cannot get all the value behind them.

3,123 Users already participating

We have thousands of pages from biologists and researchers that contain information about where and when the species was in the past. All we need in this case is to transcribe all this hand-written text. With that information being transcribed, we will be able to know more about the past of our birds which sounds really interesting by the way. With that information being transcribed, we will be able to know more about the past of our birds!

MUSEUMS INVOLVED



Interested in publishing your collection? [Contact us](#)

Notes from Nature.

Here would go a short description of the project, the partners involved and the main objectives. Also we should invite users and institutions from here to participate on the project. This is gonna be a beautiful project that is something we all think, and for sure is gonna be a real thing.

The Earth is the only world known so far to harbor life. There is nowhere else, at least in the near future, to which our species could migrate. Visit, yes. Settle, not yet. Like it or not, for the moment the Earth is where we make our stand.

Notes from Nature 2012. Legal terms

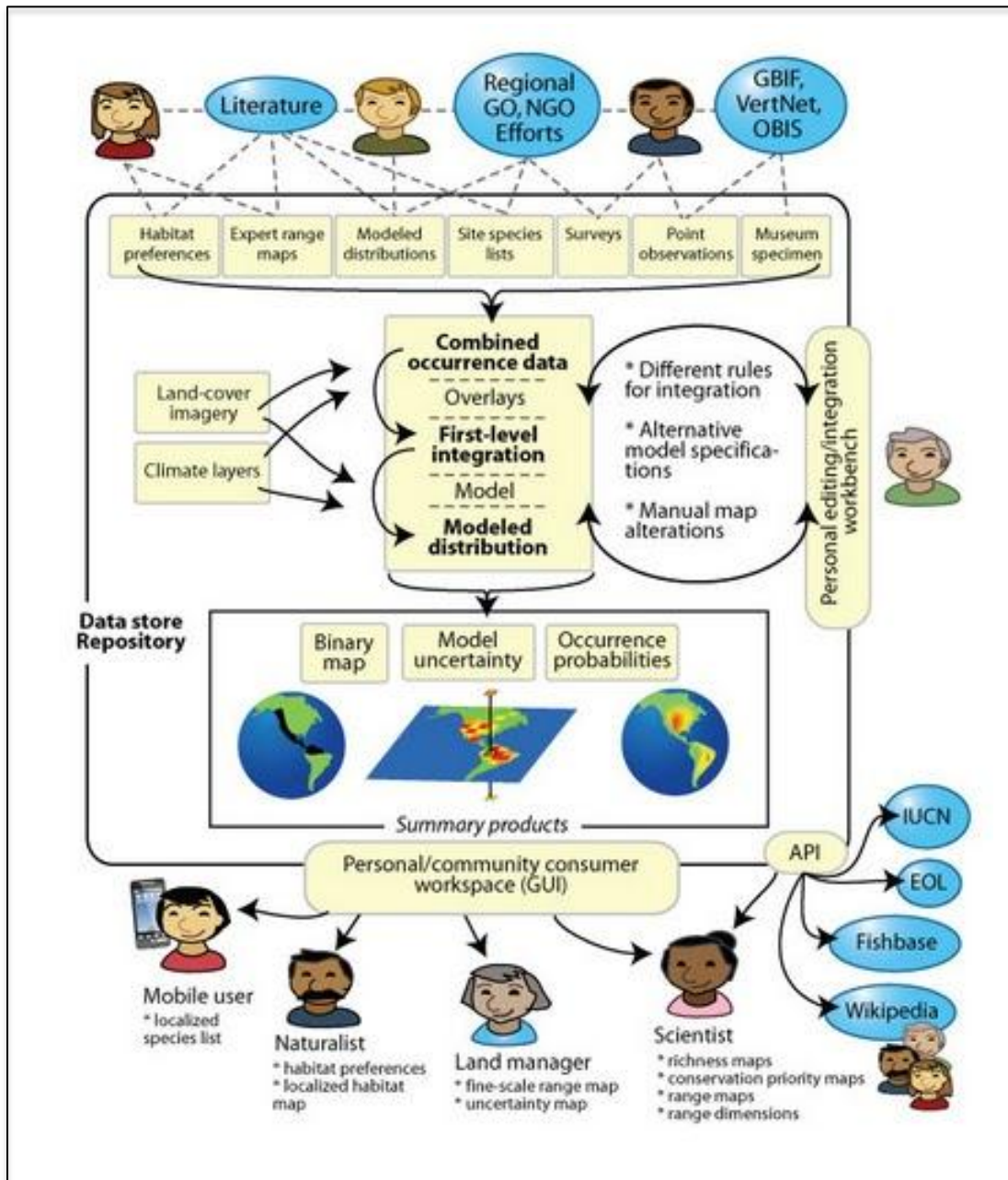
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[Support](#) / [FAQ](#) / [About the project](#)

Links to VertNet

Example one: Notes from Nature

A citizen science application for transcribing museum ledgers and labels



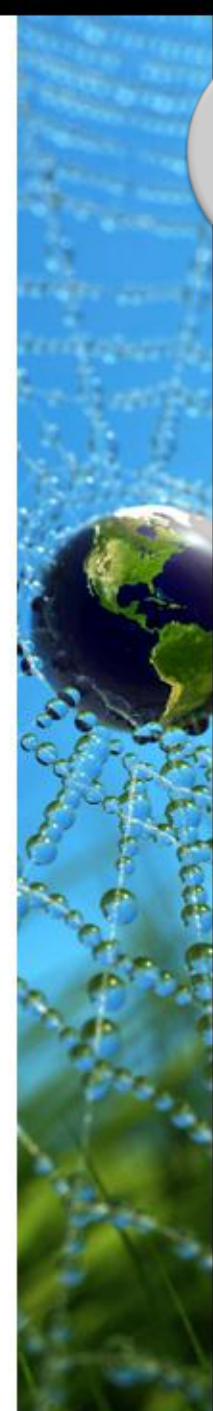
MAP OF LIFE FRONT-END

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



A screenshot of the 'Map of Life' web application interface. The search bar at the top contains 'Ochotona princeps' and a 'Go' button. Below the search bar, there are three panels: 'Names', 'Sources', and 'Types'. The 'Names' panel shows 'Ochotona princeps'. The 'Sources' panel lists GBIF, IUCN, WDPA, and WWF. The 'Types' panel lists ecoregion, pa, points, and range. The 'Results' panel shows four entries for 'Ochotona princeps' with icons and 'more info' links. The 'Map Selected Layers' panel is also visible. The background is a satellite map of the world with various countries labeled. At the bottom, there is a Google logo and 'Map Satellite' buttons.

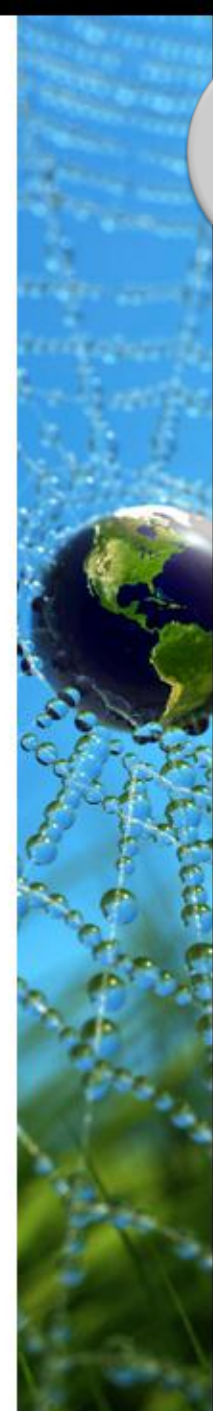
Map data ©2011 Geocentre Consulting. MapLink. Tele Atlas - Terms of Us



INTERNATIONAL YEAR OF FORESTS • 2011

MAP OF LIFE FRONT-END

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



INTERNATIONAL YEAR OF FORESTS • 2011