DigPaleo

DigPaleo

- Developed as part of the Fossil Insect Collaborative TCN

Original Conception

1. Create a central hub to save and serve data to iDigBio for the FIC-TCN and be a successor, in part, to PaleoPortal

2. Incorporate social networking tools to enable users to interact directly with the project dataset for a wide variety of purposes

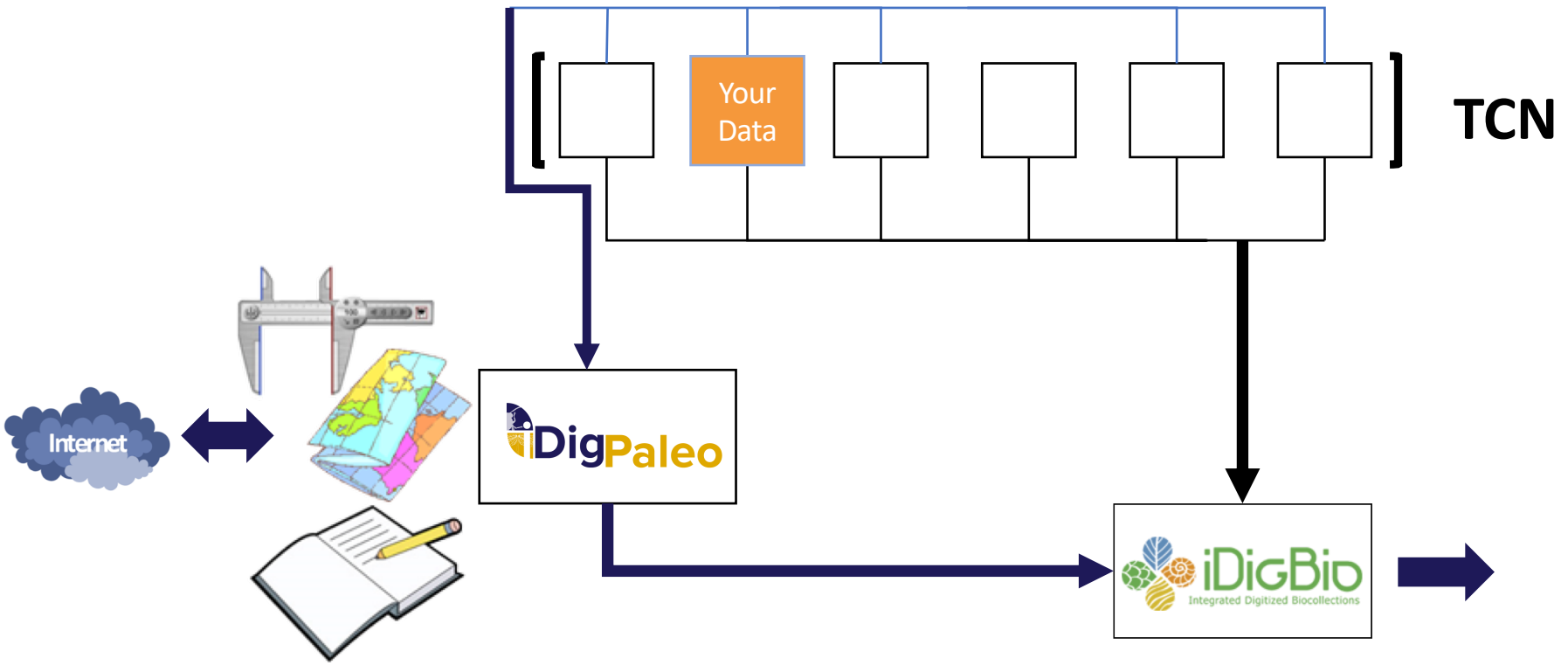
3. Hold workshop for K-12 teachers to discuss potential applications

4. Beta-test using students from YPM after school program

1 **“Build a relational database to store and retrieve harvested collections data from TCN participants”**

Done: now installed and running on dedicated server at University of Colorado

iDigPaleo


Your Data
TCN
Internet
iDigPaleo
iDigBio
Integrated Digitized Biocollections

2 “Incorporate social networking tools to enable users to interact directly with the project dataset for a wide variety of purposes”

Portal is live: www.idigpaleo.org

Functionality:

1. Basic user commenting and tagging of specimens
2. Basic locality mapping (utilizing Google Maps)
3. Tools for reporting of data errors
4. Rudimentary XML “back feed” of data corrections to providers
5. Simple search and facetted browse tools
6. Basic tools for creation, management, and operation of user groups

3 “Hold workshop for K-12 teachers to discuss potential applications”

New Haven, July 20-21

Explored applicability to Next Generation Science Standards

Developed draft lesson plans

Provided invaluable feedback on educators’ needs

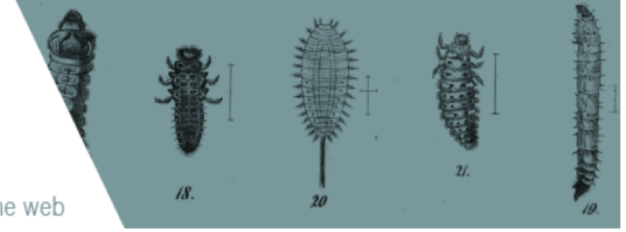
For more information:
http://peabody.yale.edu/collections/invertebrate-paleontology/idigpaleo-teacher-workshop-2015

4 “Beta-test using students from YPM after school program”

Testing robustness
and utility of system

iDigPaleo

Making data and images of millions of insect specimens available on the web



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Featured Fossils

(a45c2657-090f-11e3-af8d-50faf7)

Tweets by @FossilInsectTCN

Fossil Insect TCN
@FossilInsectTCN

Lovely! Retweet Monday for #FossilFriday

20 Mar

Fossil Insect TCN
@FossilInsectTCN

Lots of #FossilInsect data is on the @iDigBio Portal! With images! Have you had a look lately? #FossilFriday

Archaeochrysa creedei (Carpenter 1935) view specimen record

Latest Comments

Microgastrinae
- KATJA SELTMANN
View USNM Paleobiology PAL580913.11705449

cute bee
- SUSAN BUTTS
View YPM IP 560556

Featured Institution

Museum of Comparative Zoology, Harvard University

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A length of geologic time (e.g. the Jurassic Period), covering several Epochs, and which is shorter than an Era

PERIOD

illions of insect specimens available on the web

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67972 SPECIMEN RESULTS

HAS MEDIA: HAS MEDIA

COMMON NAME
PERIOD
CONTINENT
GENUS
FOSSIL DEPOSIT
SOURCE

0a1d6fa3-78b4-4d5b-a9be-a0483a

Common Name: Cockroaches; in...
Fossil Deposit: Green River For...

0a7b73d0-5482-4555-b111-99977f

Common Name: Ichnofossils
Fossil Deposit: Green River For...

0a7bc01a-9799-4d9c-8c4c-63aaca

Common Name: Insects; hexapo...
Fossil Deposit: Green River For...

0a9e12ec-1311-49e5-aed8-505ae5

Common Name: Sponges; animal...
Fossil Deposit: Green River For...

0a30aaea-6aca-47df-ad94-f09452

Common Name: Ichnofossils
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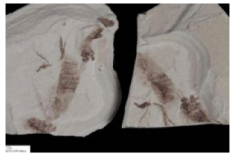

0a97afda-928d-4555-845a-b393f7

Common Name: Hexapods; arthr...
Fossil Deposit: Green River For...

0a3329e3-e0d4-4f84-b523-b9065d

Common Name: Ichnofossils
Fossil Deposit: Green River For...

00a47242-592e-400c-8b7c-aed7f5

Common Name: Ichnofossils
Fossil Deposit: Green River For...

FOSSIL DEPOSIT (403 TOTAL)

? A B C D E F G H I J K L M N O P Q R S T U V W Y Z

G

Galena Dol
Gaptank Fm
Gascons Fm
Gaspe Ss
Gault Fm
Geneseo Sh
Genshaw Fm
Georgian Bay Fm
Girardeau Ls
Glen Dean Ls
Glenerie Ls
Glenn Fm
Golden Valley Fm
Gosau Fm
Gotland Ls
Grayson Fm
Green River Fm
Green River Formation

Green River Fm

Green River Formation

gPaleo

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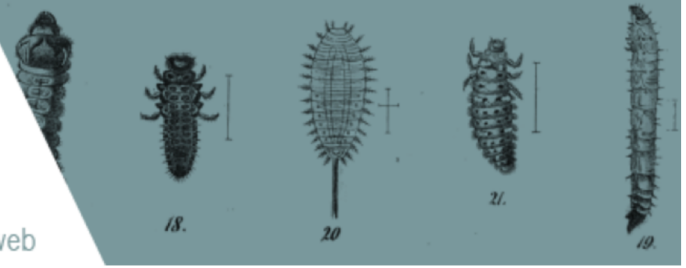

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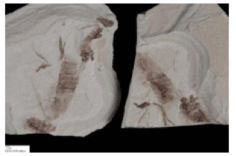

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Hexapods; arthropods; animals

0D537960-D87B-4030-ADB0-1B580A

MUSEUM OF PALEONTOLOGY

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a's Place

ADD TO LIGHTBOX

COMMENTS (0)

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DigPaleo
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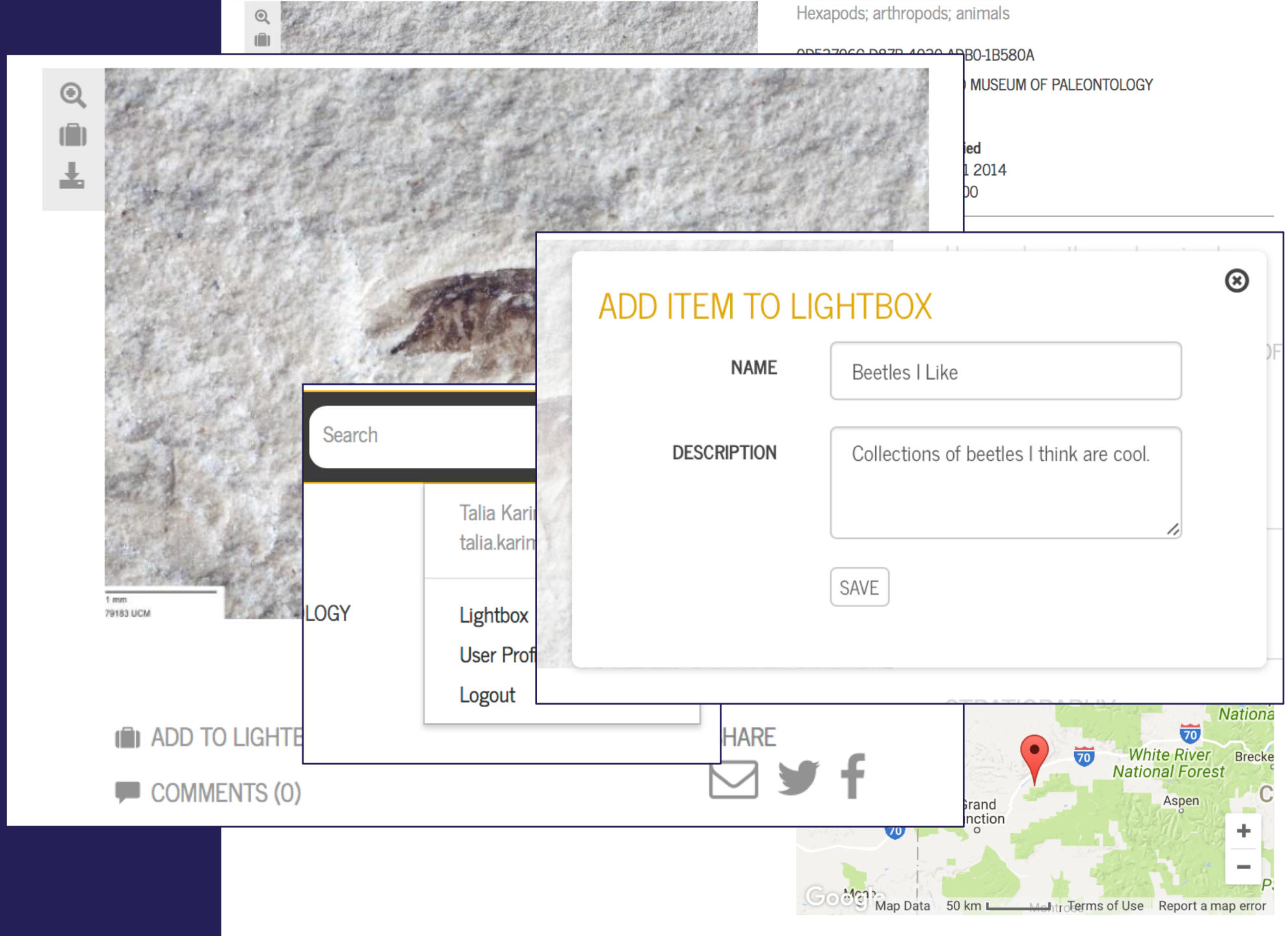
Hexapods; arthropods; animals
MUSEUM OF PALEONTOLOGY
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NAME
Beetles I Like
DESCRIPTION
Collections of beetles I think are cool.
SAVE
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Talia Kari
talia.karin
LOGY
Lightbox
User Prof
Logout
ADD TO LIGHTE
HARE
COMMENTS (0)
1 mm
79183 UCM
White River National Forest
Aspen
Map Data
50 km
Terms of Use
Report a map error

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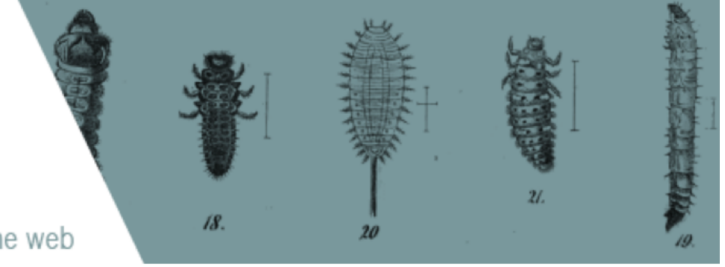

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FILTER BY

FOSSIL/MODERN

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PERIOD

CONTINENT

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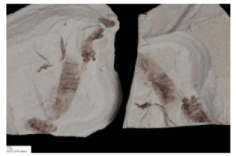

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00a47242-592

Common Name:
Fossil Deposit:

Search

LOGY

Talia Karim,
talia.karim@colorado.edu

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EDUCATION

iDigPaleo brings museum collections to your classroom. Behind the scenes, museums have millions of fossils not on display. These fossils are used by researchers to look at how animals are related, how they have changed over time, to reconstruct past environments, and to help us understand biodiversity, climate change, and how animals respond to climate change. Since it is difficult to bring the class into the collections, iDigPaleo brings the collections to the classroom. We've also created ready-to-go activities for your classroom that are geared to address National Generation Science Standards (NGSS).

Fiona, a high school junior and one of our summer interns in the Fossil Insect Collaborative, can give your class a 1 minute introduction to the project:

FIC Intro
Why we digitize

USING IDIGPALEO

A full user guide will be published and below is a quick intro to iDigPaleo.

iDigPaleo is designed for public exploration and for elementary, junior high, and high school classroom use. It gives students the opportunity to see fossils that might never go on display and allows them to use real scientific data in the same way that scientists do. On iDigBio, you can browse or search by the type of fossil (we've added common names to facilitate!), the age of the fossil, or where the fossil was collected. You can chose to only look at fossil that include a photograph. A single or group of fossils can be plotted on a map.

When you click on an image (and are logged on) you have a range of tools at your disposal, including zooming in or out, annotating points, boxes or polygons, measuring tools, and image manipulation. Depending on the mode you are in, your modifications will either be saved for your future use, or shared with a wider audience, such as with your teacher, or with your entire class. Digital objects can be grouped into a curated collection - what we call an "assignment" in iDigPaleo.

Teachers and students register for iDigPaleo. The student accounts are tied to the teacher, enabling interaction (for example, a teacher asks a question and the students can share their answers with the teacher). Teachers can view their students and can see and modify all assignments they've created and also all the student responses. Once an assignment is created, teachers have many options:

- Share the assignment with your class as a URL that allows them to register and view interact with the assignment,
- generate powerpoint presentation including captions from data, or
- generate a PDF handout or checklist.

You might have your students:

- answer questions or share observations by adding comments at the assignment, or item level,
- annotate images or measure objects with a research or curriculum standard goal, or
- have students respond to lab questions by creating their own collection of items complete with name, description, image annotations, and comments.

DEVELOPED CURRICULA

These activities were developed for teachers by teachers. They are the result of the NSF-funded teacher workshop, held July, 2015 at the Yale Peabody Museum.

-coming soon-