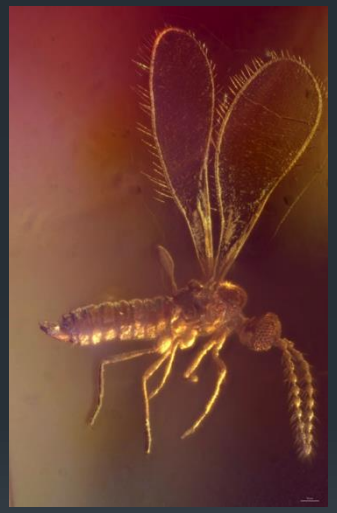
fossil insect COLLABORATIVE

Dena Smith & Talia Karim
University of Colorado
Susan Butts
Yale University

fossil insect COLLABORATIVE



Digitize and make available all the major collections of fossil insect specimens in the United States

Virginia Museum of NATURAL HISTORY
IN ASSOCIATION WITH THE SMITHSONIAN INSTITUTION

American Museum of Natural History

fossil insect COLLABORATIVE

HARVARD UNIVERSITY
Museum of Comparative Zoology

KU BIODIVERSITY INSTITUTE & NATURAL HISTORY MUSEUM
The University of Kansas

CU Boulder

PEN?
The Field Museum

PEN
University of California Museum of Paleontology

Smithsonian

ILLINOIS NATURAL HISTORY SURVEY
PRAIRIE RESEARCH INSTITUTE

Yale PEABODY MUSEUM OF NATURAL HISTORY

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Digitization Goals:

- Database ~500,000 specimens
- ~77,000 digital images
- Data sharing
- iDigPaleo development

YPM-IP.1002 *Dunbaria fasciipennis* Holotype

Research Goals:

- Examine insect response to environmental change in deep time
- Examine evolutionary history of fossil insect groups and patterns of diversity in deep time

Project Oversight

Annual Meetings

Adobe Connect Virtual Meetings

- Started in Year 3
- Every four months

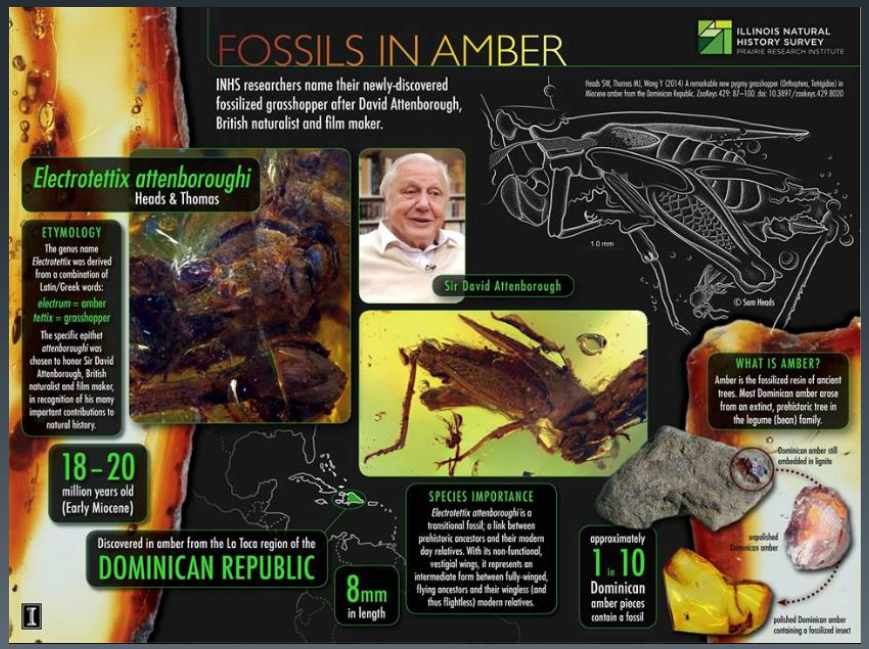
Amber Workshop - AMNH

Amber Workshop - AMNH

Research

- Coordinating groups to work on broader questions using TCN data

- Individual Projects



- Fossil Insect Symposium- ESA 2014

Data

- Data management
  - DarwinCore formatted data sent from providers via IPT
- Open access of data
  - All data and images available for public and researchers on iDigBio and iDigPaleo
- Management of the network
  - Yale to CU-Boulder

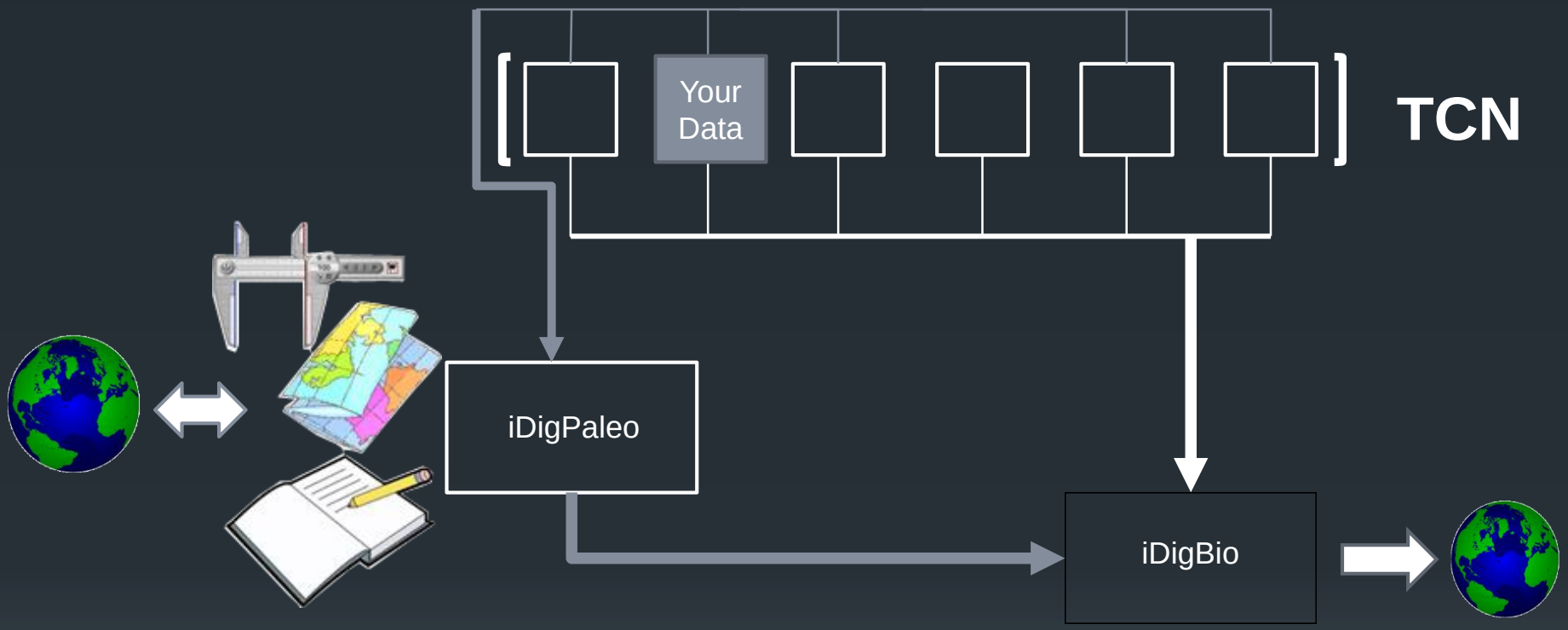
FIC on Social Media

@FossilInsectTCN

DigPaleo

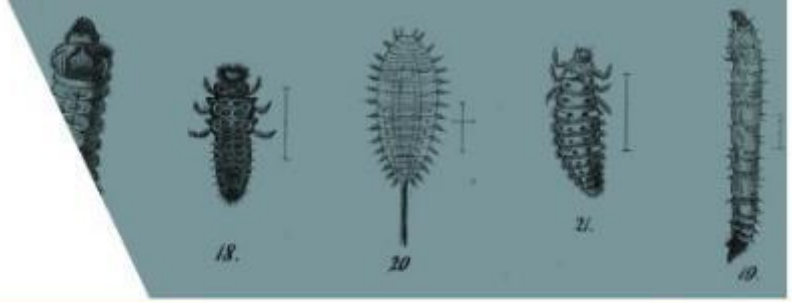
DigPaleo

- Aggregate data from fossil insect project
- Provide tools for educational access to these data
- Central resource to interact with bio and geo cyberinfrastructure initiatives


Your
Data
TCN
iDigPaleo
iDigBio

fossil insect COLLABORATIVE

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



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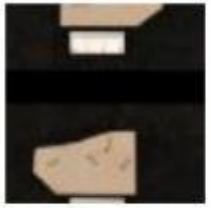
News

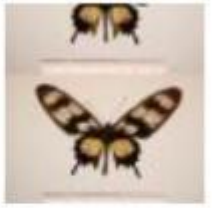
Society for the Preservation of Natural History Collections Annual Meeting

More

undet. Hexapoda (YPM IP 584656).

Featured Fossils

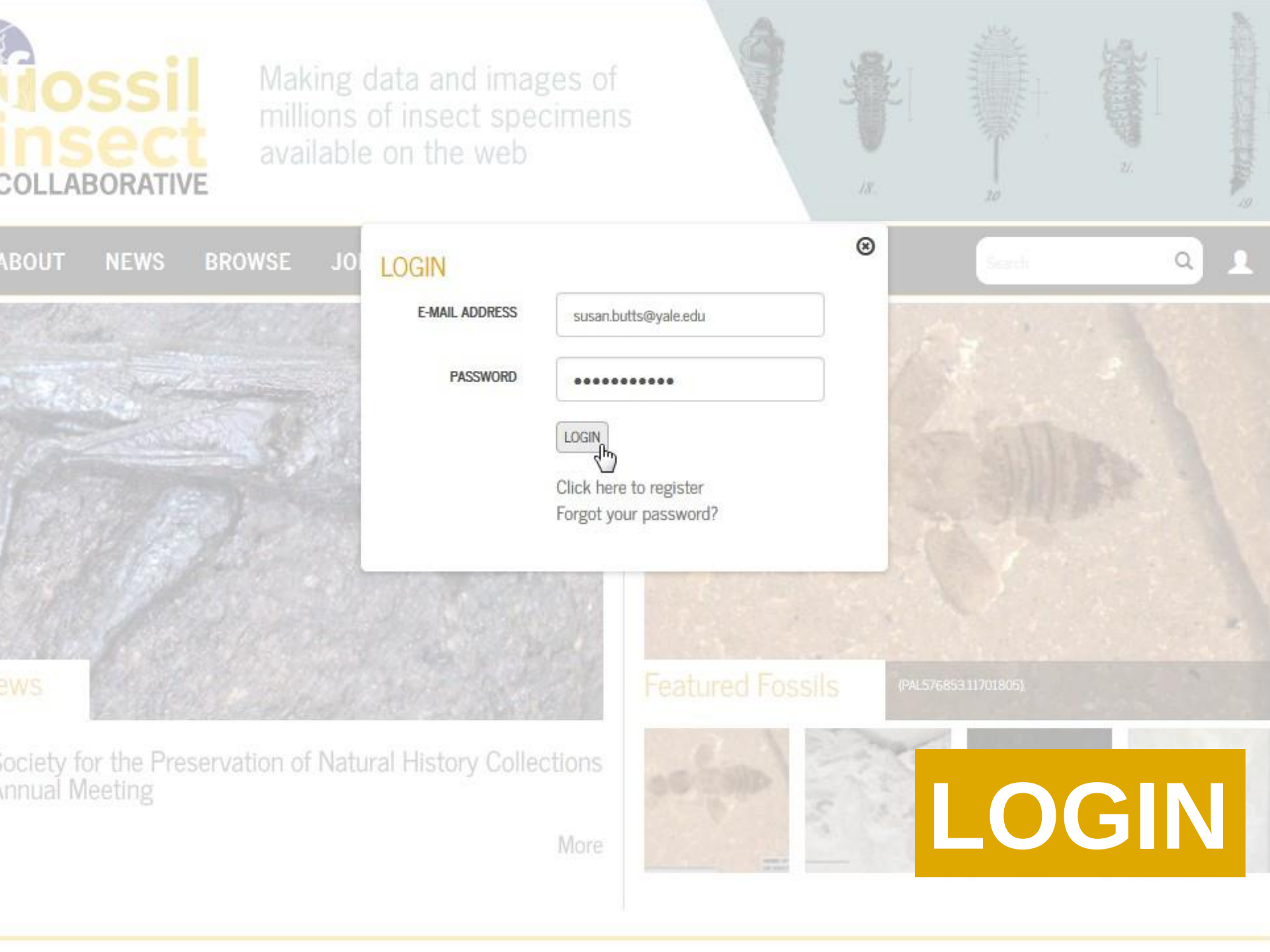




YPM IP 585232

Latest Comments

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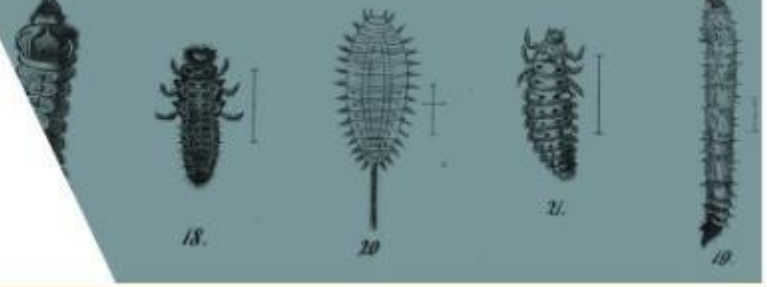
Making data and images of millions of insect specimens available on the web



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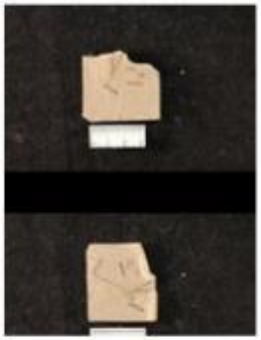
6292 SPECIMEN RESULTS

SOURCE: YALE PEABODY MUSEUM OF NATURAL HISTORY FOSSIL/MODERN: FOSSILS HAS MEDIA: HAS MEDIA

YPM IP 223880
Urogomphus eximius



YPM IP 454216
undet. Zygoptera

YPM IP 794004
undet. Zygoptera

YPM IP 793713
undet. Vespidae

YPM IP 793298
undet. Vespidae

YPM IP 454356
undet. Trichoptera

YPM IP 454
undet. Trich

FILTER BY

COMMON NAME

Ants

Ants, bees, and wasps

Ants, bees, narrow-waisted hymenopterans, and true wasps

Aphids

Arthropods

Bee fly

Beetles

and 57 more

GENUS

Acrocera

Actea

Anthracothremma

Anthrakoris

CONTINENT

Europe

BROWSE

DigPaleo

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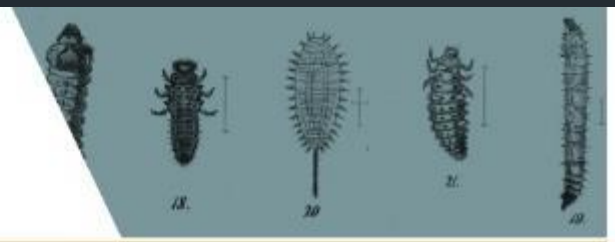
Making data and images of millions of insect specimens available on the web



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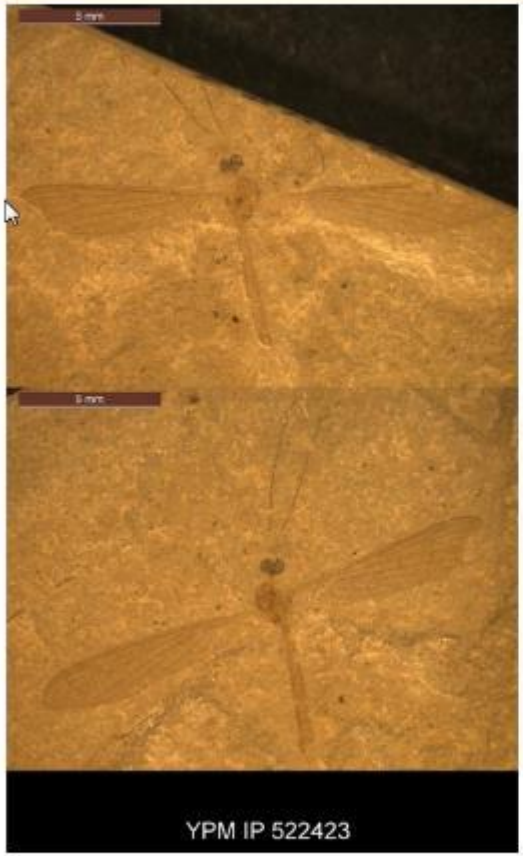

undet. Tipulidae; feather on slab with

True flies, Mosquitoes and Gnats

YPM IP 522423

Yale Peabody Museum of Natural History

TAXONOMY

Animalia > Arthropoda > Insecta > Diptera > Tipulidae > Family

LOCALITY

North America > USA > Colorado > Garfield County > N end of Radar Dome

ADD TO ASSIGNMENT

COMMENTS (0)

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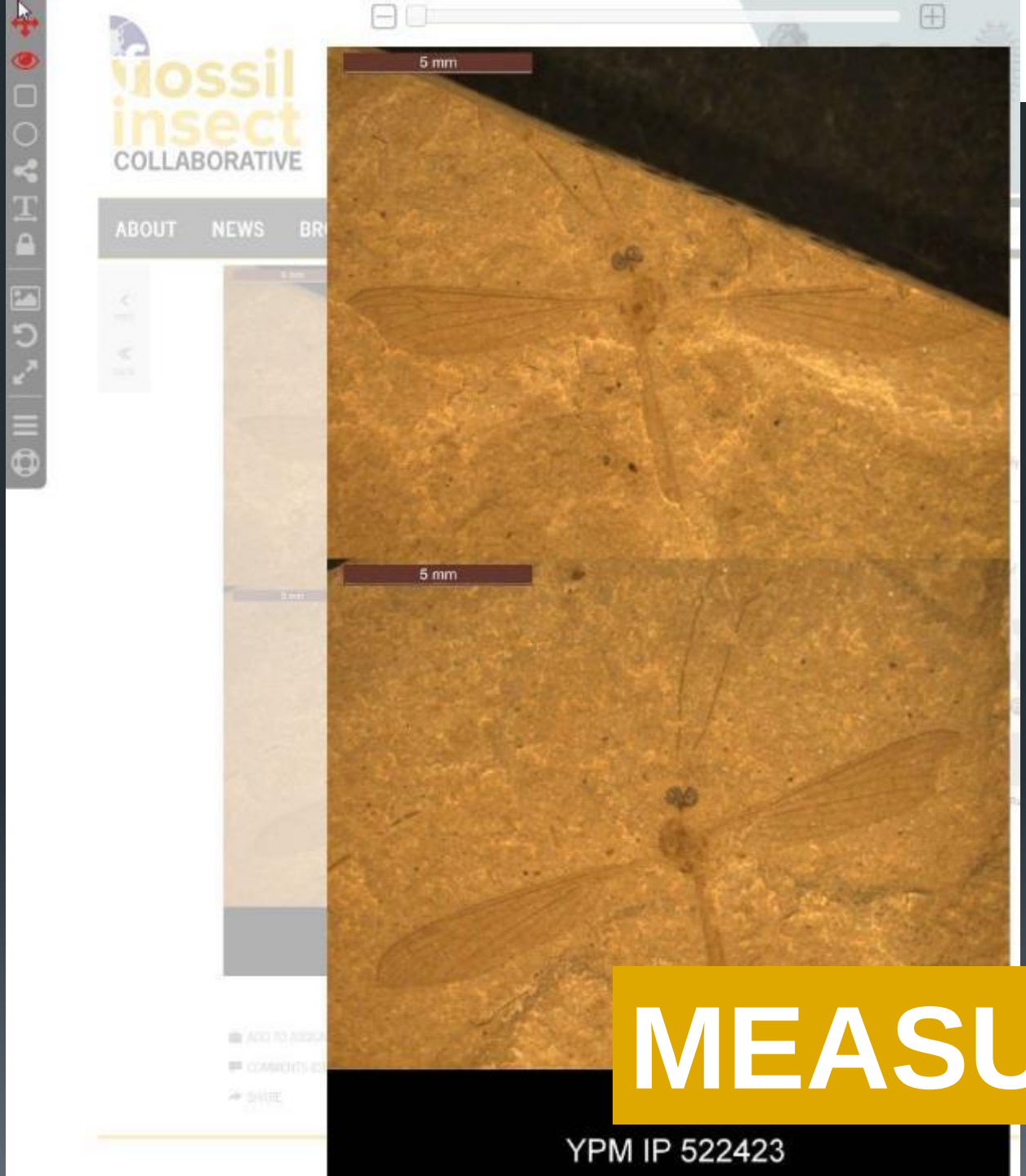
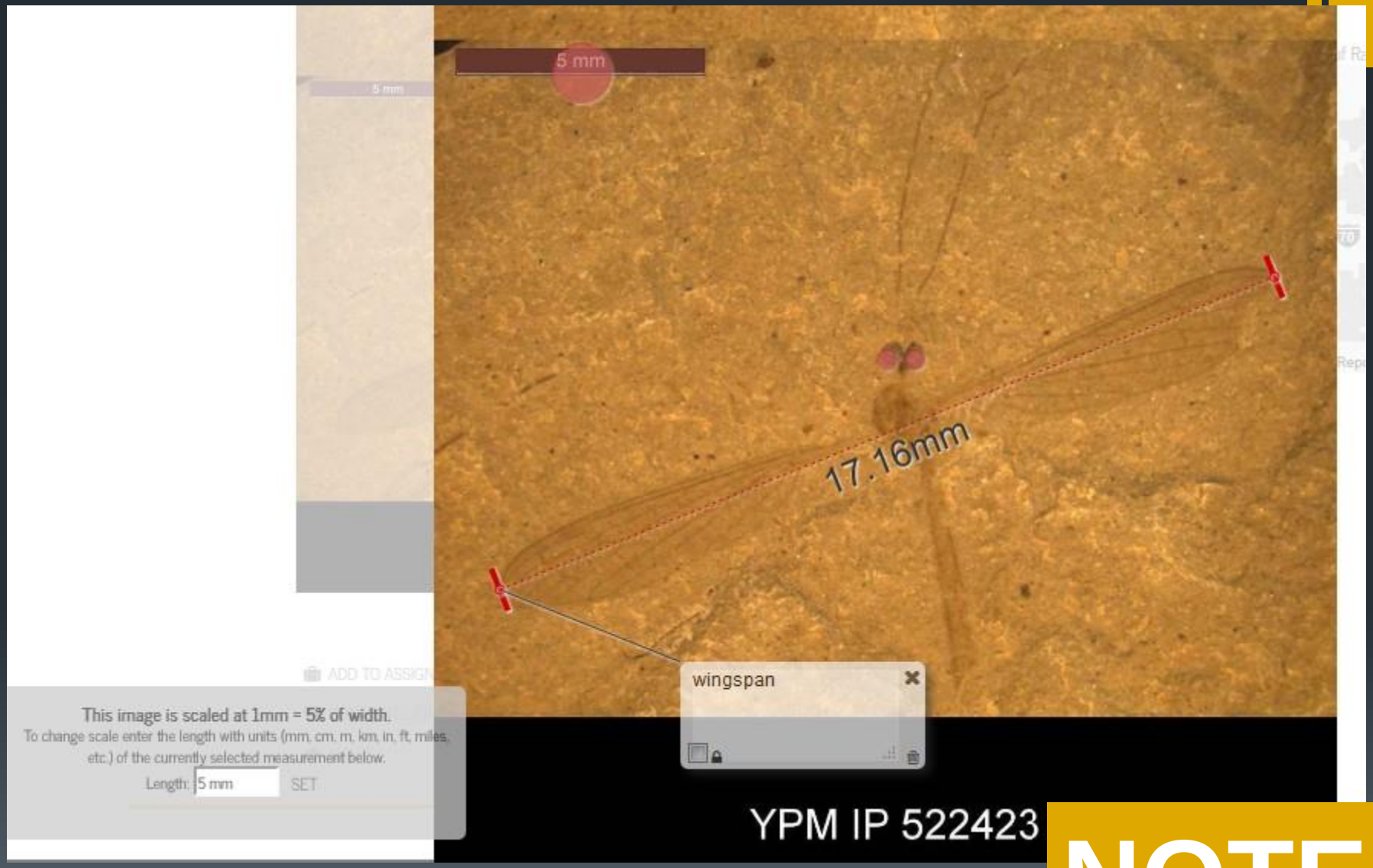
MAP


fossil insect
COLLABORATIVE
ABOUT
NEWS
5 mm
5 mm
YPM IP 522423
MEASURE

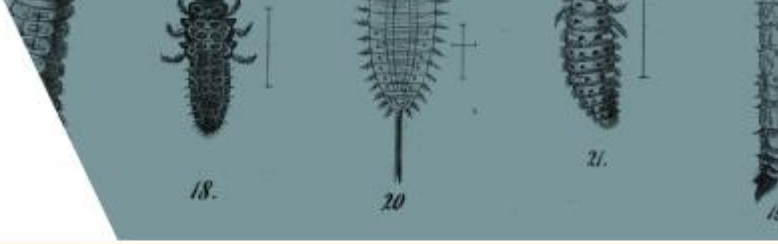
DigPaleo


5 mm
17.16mm
wingspan
This image is scaled at 1mm = 5% of width.
To change scale enter the length with units (mm, cm, m, km, in, ft, miles, etc.) of the currently selected measurement below.
Length: 5 mm
SET
YPM IP 522423

NOTE

fossil insect COLLABORATIVE

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



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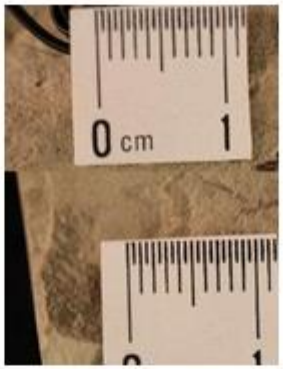
5 SPECIMEN RESULTS

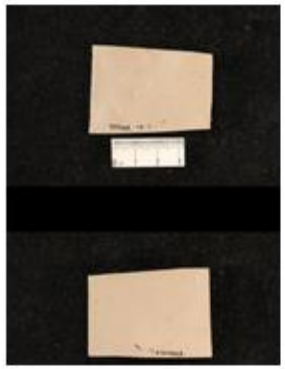
SOURCE: YALE PEABODY MUSEUM OF NATURAL HISTORY ⊗ HAS MEDIA: HAS MEDIA ⊗ FOSSIL/MODERN: FOSSILS ⊗ SERIES: EOCENE ⊗
COMMON NAME: ROBBER FLIES ⊗

YPM IP 454405
undet. Asilidae



YPM IP 584576
undet. Asilidae

YPM IP 584521
undet. Asilidae



YPM IP 454423
Asilidae?

YPM IP 454441

FILTER BY

CONTINENT
North America

GROUP

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YPM IF

ADD ITEM TO ASSIGNMENT

Rio Blanco Field Trip

Select a assignment

Rio Blanco Field Trip

OR

CREATE A NEW ASSIGNMENT

NAME

Your assignment

DESCRIPTION

SAVE

SAVE

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BACK

RIO BLANCO FIELD TRIP (21 ITEMS)

Geology 540 Green River Field Trip

- All assignments
- Edit Name/Description
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- Manage Assignment Access
- Start presentation
- Download as:
- Checklist [pdf]
- PDF (thumbnails) [pdf]
- Excel (basic information) [xlsx]
- PowerPoint (basic information) [pptx]
- New Assignment
- New User Group
- Manage Your User Groups

COMMENTS

add your comment

SAVE

YPM IP 237183, undet. Tipulidae

YPM IP 522446

ndet. Tipulidae

SHARE

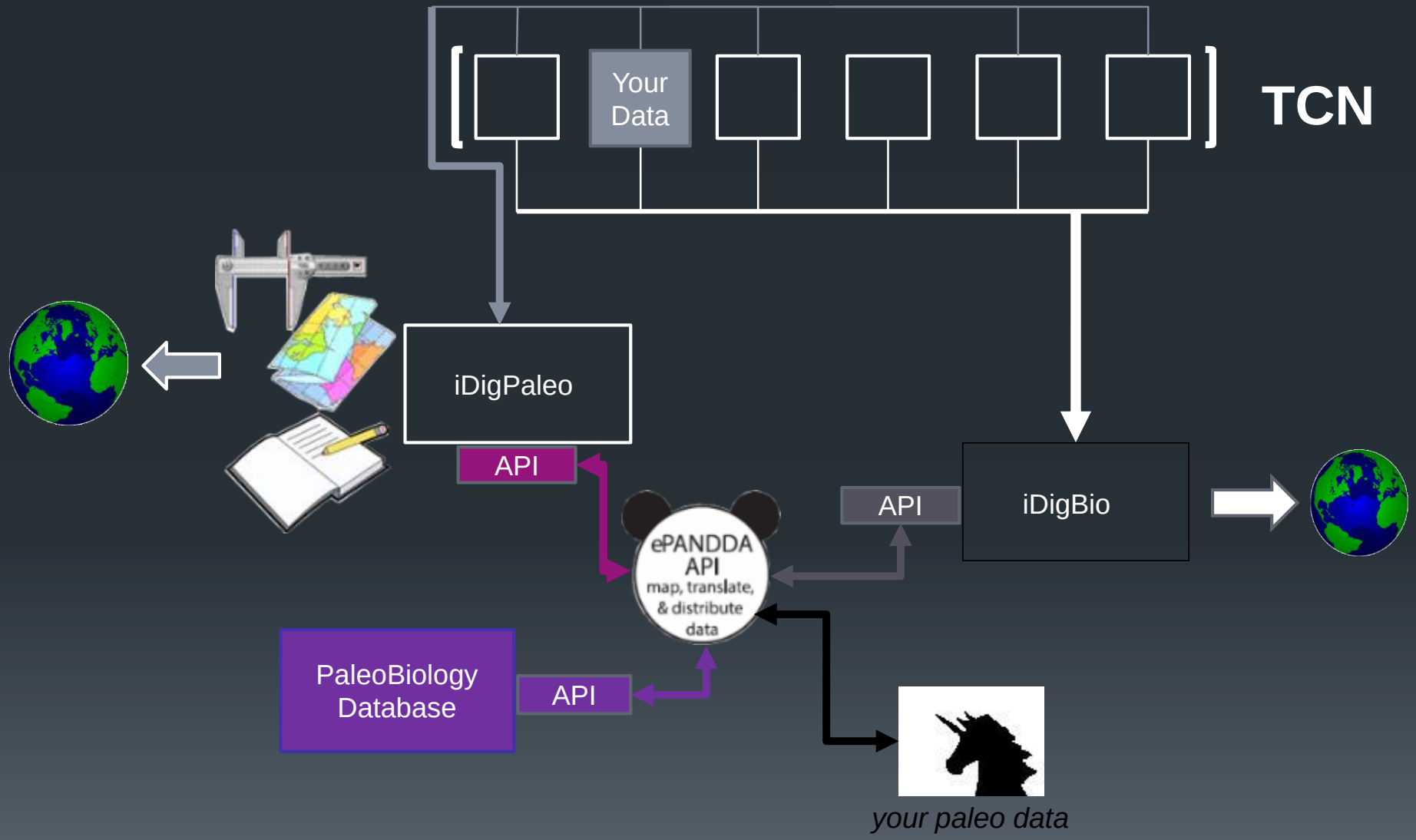
iDigPaleo Teacher Workshop
Yale Peabody Museum
July 20-21, 2015

- Tools in development
  - Integrated mapping in geologic history (PBDB API, GPlates API)
  - Comments/annotations returned to institution (i.e. update taxonomy)

- Teacher workshop –directions and outcomes
  - Directions
    - critique of front end operation
    - provide curated collections (assignments)
    - provide background info
    - provide videos from collections/field

  - Outcomes
    - lesson plans based on NGSS

ePANDDA


Your Data
TCN
iDigPaleo
API
ePANDDA API
map, translate, & distribute data
API
iDigBio
PaleoBiology Database
API
your paleo data

Potential for collaboration

Pass your data to us, have us aggregate it and serve it to iDigBio

Talk to us about turning your data into a dynamic resource for education and public use access

Acknowledgements

Development of iDigPaleo is supported through NSF EF 1305027: Digitization TCN: Collaborative Research: Fossil Insect Collaborative: A deep-time approach to studying diversification and response to environmental change

ePANDDA is supported through NSF ICER 1540984: EarthCube IA. Collaborative Proposal: ePANDDA: Enhancing Paleontological and Neontological Data Discovery API