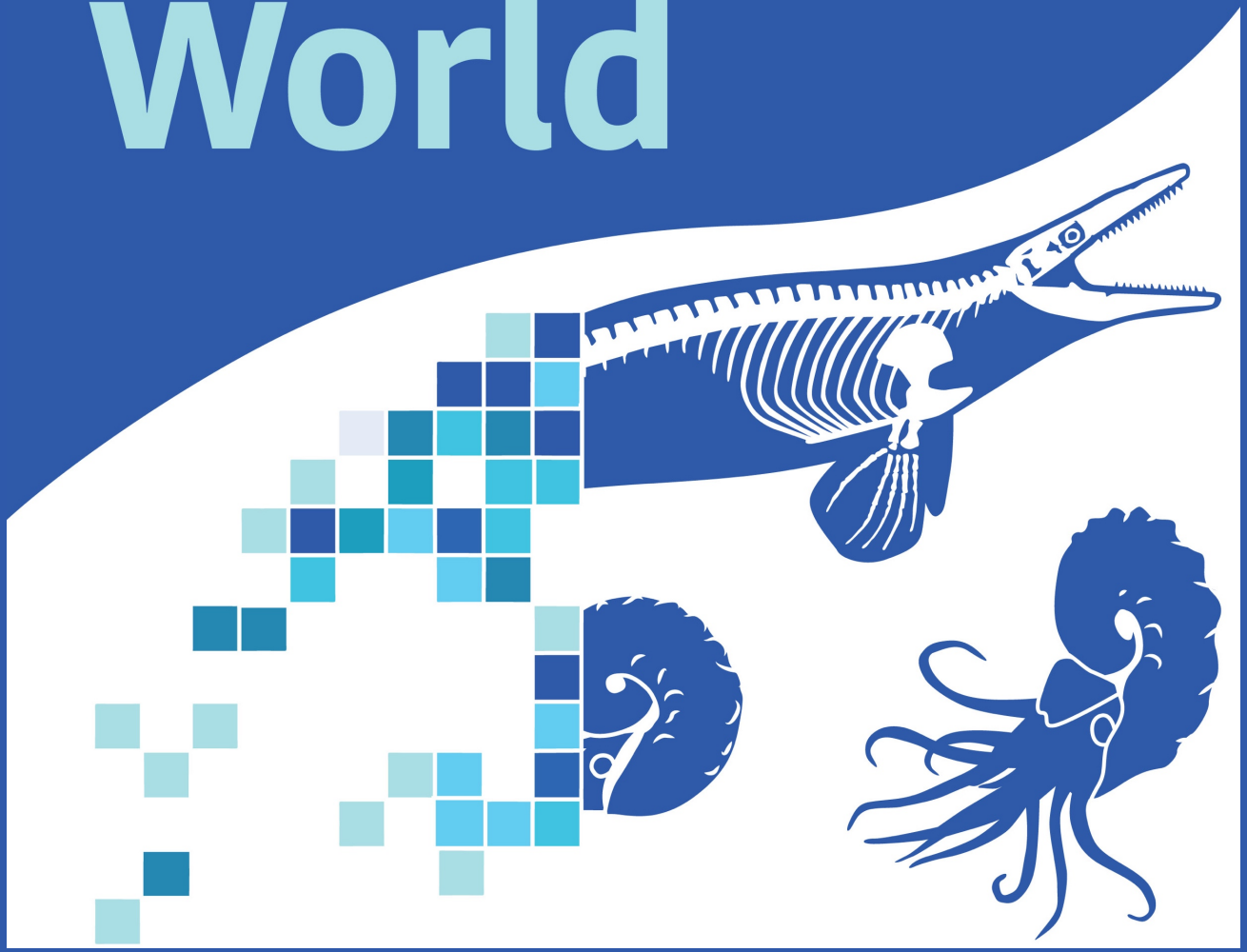
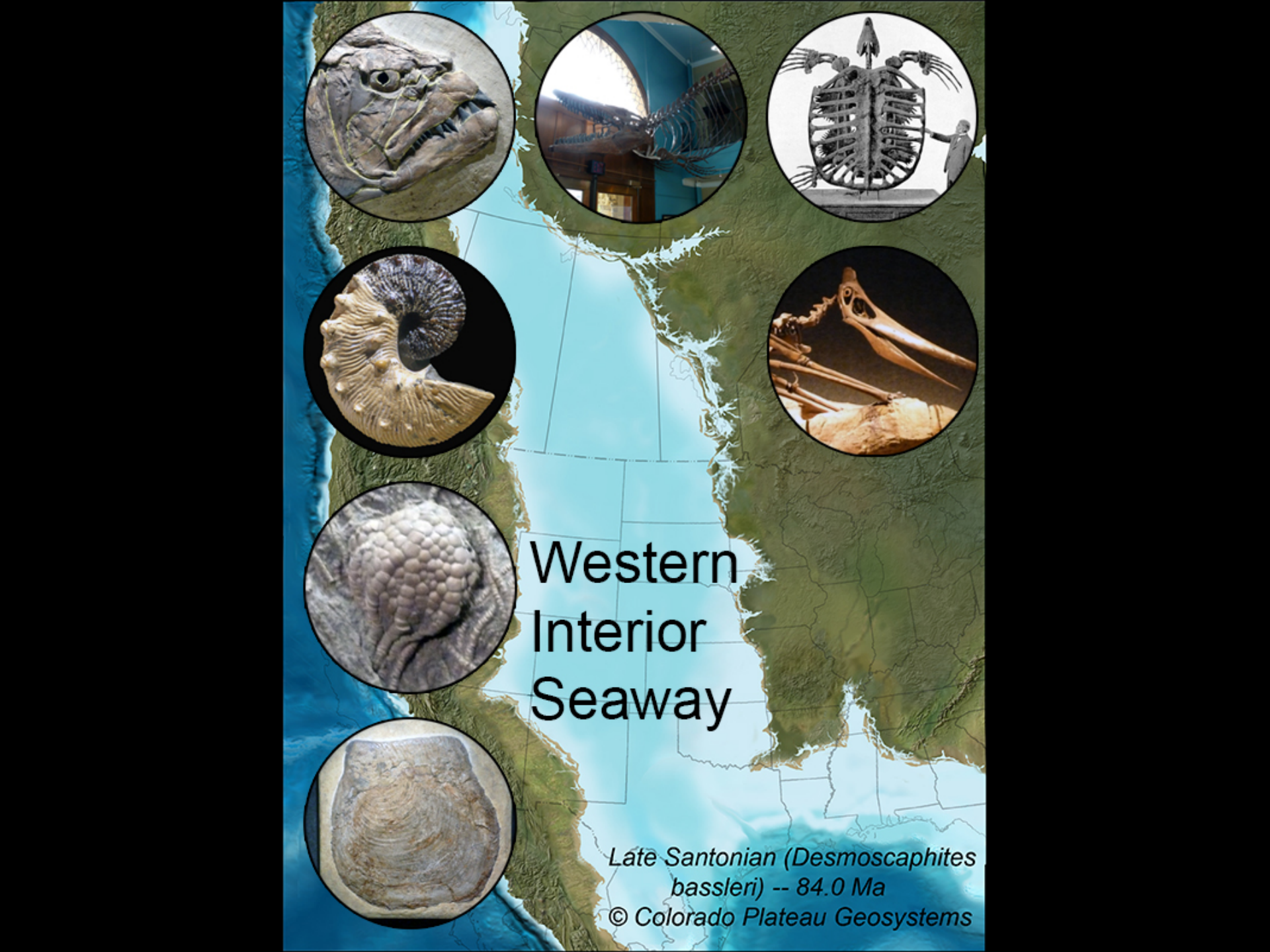
Cretaceous World



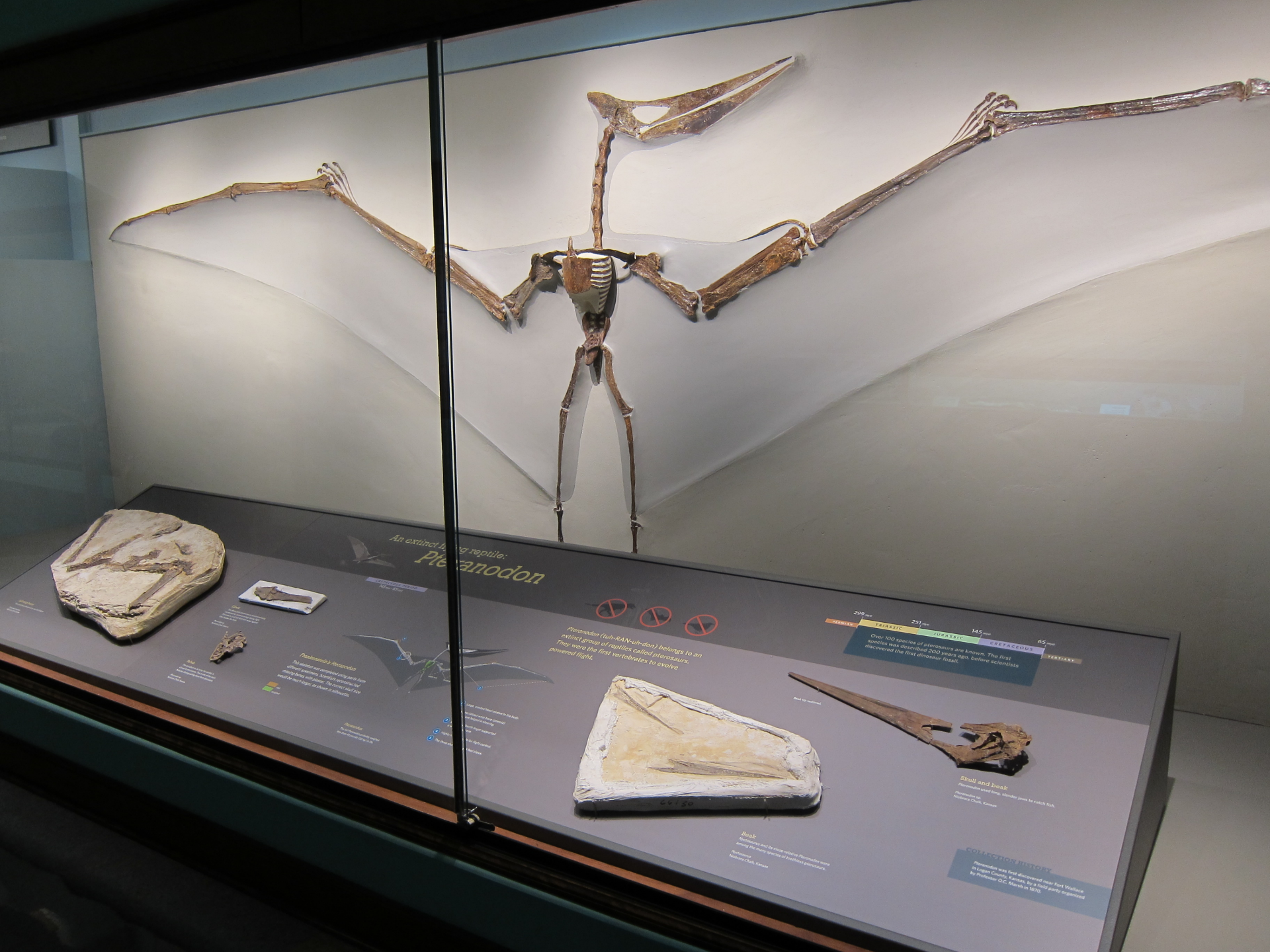

Western
Interior
Seaway
Late Santonian (Desmoscaphites bassleri) -- 84.0 Ma
© Colorado Plateau Geosystems

Cretaceous World – TCN : Participants and Institutions

Lead Institution,
Bruce Lieberman

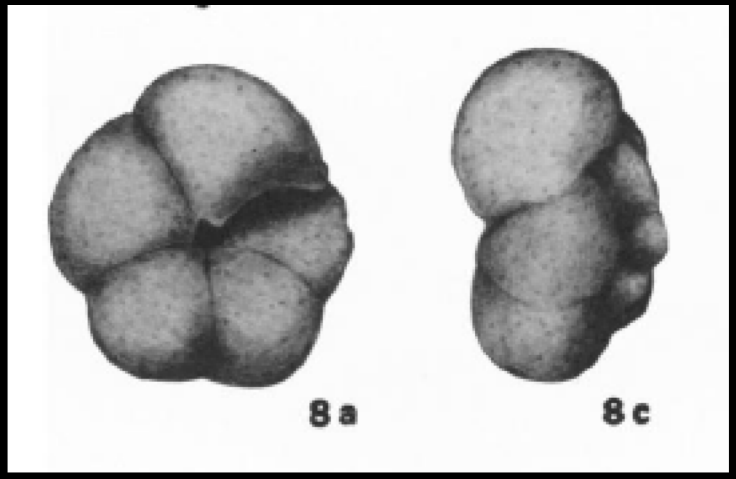

MOSASAUR


Xiphactinus audax
Sternberg Museum of Natural History


An extinct flying reptile:
Pteranodon
Pteranodon (tuh-RAN-uh-don) belongs to an extinct group of reptiles called pterosaurs. They were the first vertebrates to evolve powered flight.
299 mya
PERMIAN
251 mya
TRIASSIC
JURASSIC
145 mya
CRETACEOUS
65 mya
TERTIARY
Over 100 species of pterosaurs are known. The first species was described 200 years ago, before scientists discovered the first dinosaur fossil.
Skull and beak
Pteranodon used long, slender jaws to catch fish.
Niobrara Chalk, Kansas
Beak
Pteranodon and its close relative Pteranodon were among the many species of toothless pterosaurs.
Niobrara
Niobrara Chalk, Kansas
COLLECTION HISTORY
Pteranodon was first discovered near Fort Wallace in Logan County, Kansas, by a field party organized by Professor O.C. Marsh in 1870.

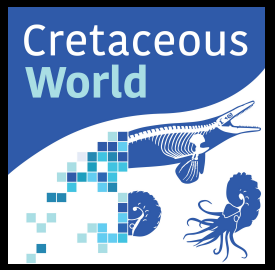

Collections
Description:
Comments:


Alameda (Road) CO
Eicher
Wolcott Benton (Kan
Graneros, Gore Pass)
Wolcott CO
(Benton) Eicher
Burrows Creek
Eicher
Wolcott CO
(Benton) Eicher
Shoshone River WY
Eicher
Niobrara forams
LeRoy J H Kitchen
Holmes Mancos Tununk
Pierre Shale misc
Coal Crk CO
John VA Sharp
Bull Creek WY
Eicher


8a
8c

Eicher (1967)

Data and Research Goals



~ 165,000 specimens databased

~ 7,000 fossil localities georeferenced

~1,600 fossil species imaged (> 3,200 images)

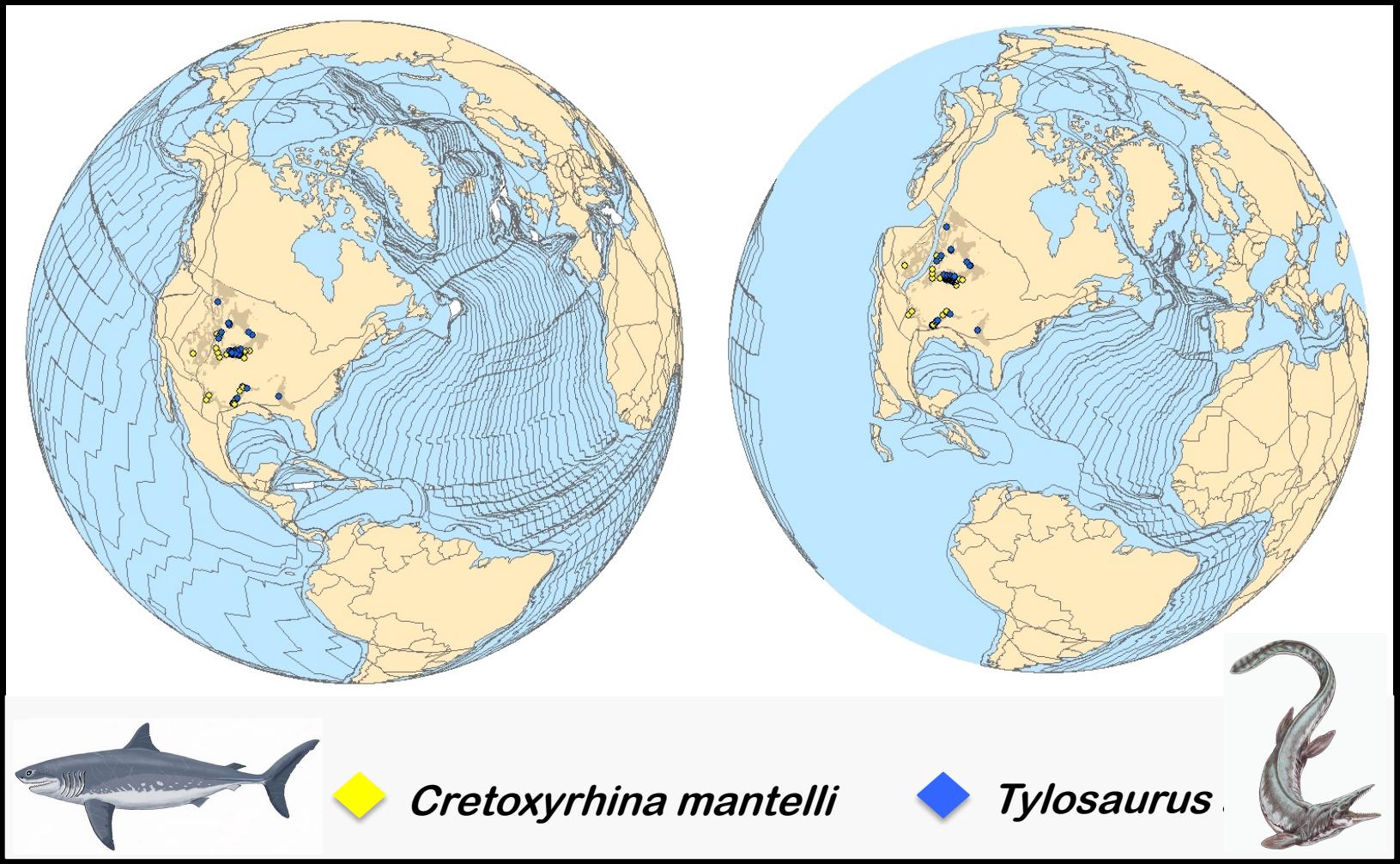
All data shared via iDigBio, institutional websites, and iDigPaleo

Data and Research Goals

Focus on ecological niche modeling

Present Day

~87Ma



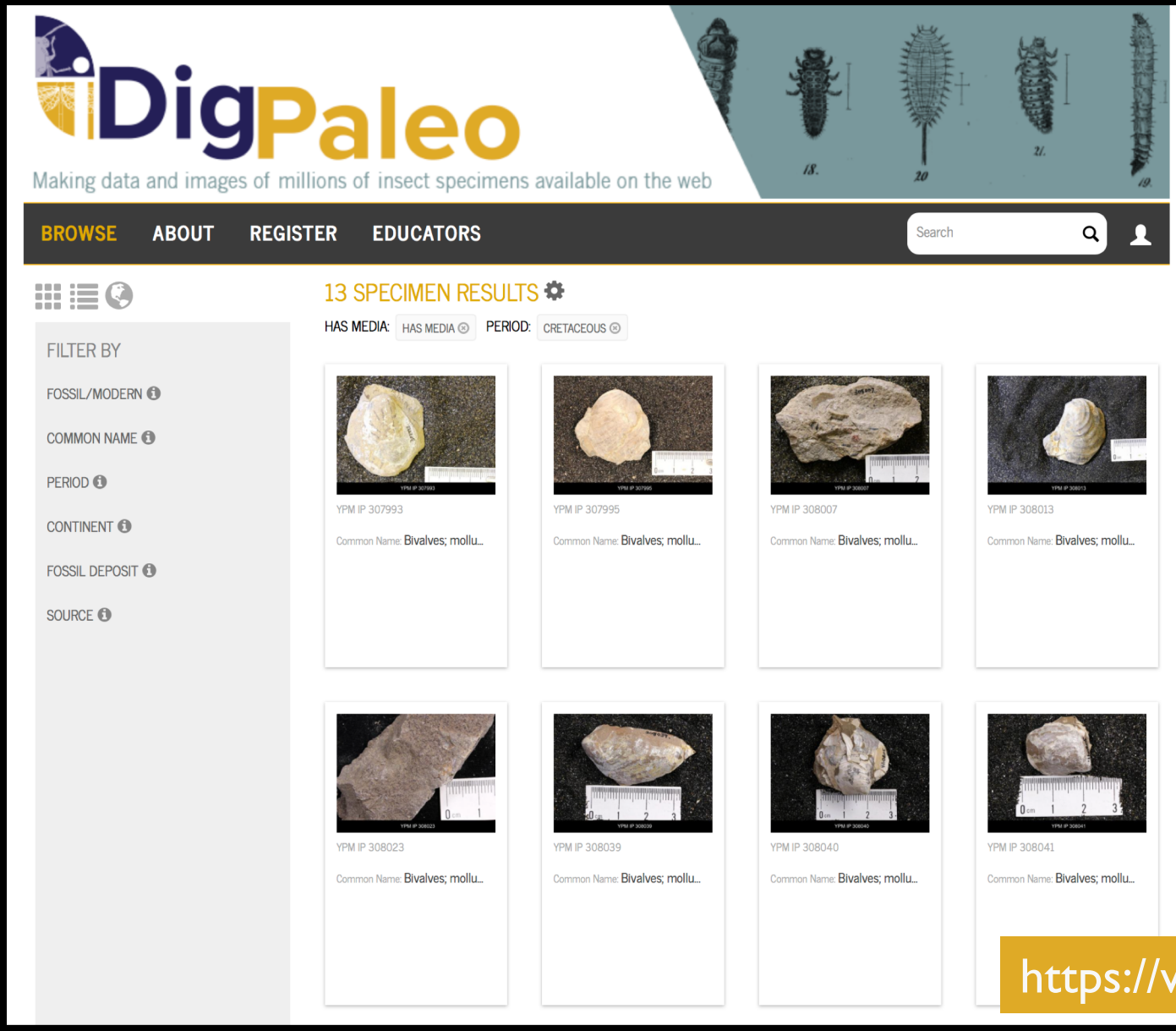
Outreach Goals

Cretaceous World

http://www.cretaceousatlas.org

Outreach Goals

Cretaceous World



https://www.idigpaleo.org

Outreach Goals

YPM IP 308013

LOGIN TO ADD TO LIGHTBOX/ASSIGNMENT

COMMENTS (0)

SHARE

Bivalves; molluscs; animals

YPM IP 308013

YALE PEABODY MUSEUM OF NATURAL HISTORY

TAXONOMY

STRATIGRAPHY

Geologic Time Period

Period: Cretaceous

LOCALITY

Continent: North America

Country: USA

Locality: ? Dakota

Outreach Goals

Thanks to:

<u>Funding</u>

NSF Advancing the Digitization of Biological Collections