The oVert TCN

David C. Blackburn, Lead PI
Florida Museum of Natural History
University of Florida

@davidcblackburn
#oVertTCN
3D-imaging of vertebrates: skeletons of >80% living genera

CT-scanning, structured-light scanning, photogrammetry

25 funded institutions: 22 museums, 9 imaging centers

Includes 8 Partner to Existing Network awards
BatPEN!
A Partnership to Facilitate Scientific Inquiry
into the Vast Functional Trait Diversity of Phyllostomid Bats
PI Richard Stevens, Texas Tech University; 2021–2023
Media 000039479: Skull [CTImageSeries] [Etc]

Represents: Biological Specimen in Collection uf:herp:41558 Amblyrhynchus cristatus

**FILE OBJECT DETAILS**

- **Media ID**: 000039479
- **Media type**: CTImageSeries
- **File format(s)**: image/tiff
- **File size**: 2,840,076,214 bytes
- **Object element or part**: Skull
- **Side**: --
- **Orientation**: --
- **Short description**: Tiff-stack
- **Full description**: Migrated MorphoSource 1 Media
  - File Title: Tiff-stack Migrated
  - MorphoSource 1 Media Group
  - Title: CT scan of UF41558, Amblyrhynchus cristatus

- **Creator**: --
- **Date created**: --
- **Date uploaded**: January 16, 2018

**IMAGE ACQUISITION AND PROCESSING AT A GLANCE**

- **Number of parent media**: 0
- **Number of processing events**: 1 (0 steps)
- **Modality**: X-Ray Computed Tomography (CT/microCT)

24 ADDITIONAL MEDIA RELATED TO ACQUISITION EVENT
Data available on MorphoSource

>28,000 media files of >12,000 specimens

>1,200,000 views; >126,000 downloads

>70 publications from oVert-related people

In Year 4:

>110 faculty, staff, students, and teachers

>700 students encountered oVert data in class
Usage of downloaded data

- Education
- Research
- 3D Printing
- Art
- Personal
- Outreach
- Research
Collaborate with teachers to develop new learning activities
Teachers work directly with scientists to develop learning activities

Kory Evans
Rice University

Todd Green
NYIT

Hillary Maddin
Carleton University

Dr. Al Savitzky
Utah State University

Stephanie Smith
Field Museum

Katie Stanchak
Univ. of Washington
Developing more impactful models on Sketchfab

@jaimiAgray
#oVertTCN