

Resource Summary Report

Generated by NIF on Sep 1, 2026

ORNIS

RRID:SCR_002896

Type: Tool

Proper Citation

ORNIS (RRID:SCR_002896)

Resource Information

URL: <http://www.ornisnet.org/>

Proper Citation: ORNIS (RRID:SCR_002896)

Description: ORNIS is a database of bird specimens as well as a portal to connect the academic and museum communities involved with studying birds. This project expands on existing infrastructure developed for distributed mammal (MaNIS), amphibian and reptile (HerpNet), and fish (FishNet) databases. Over 5 million bird specimens are housed in North American collections, documenting the composition, distribution, ecology, and systematics of the world's estimated 10,000-16,000 bird species. Millions of additional observational records are held in diverse data sets. ORNIS addresses the urgent call for increased access to these data in an open and collaborative manner, and involves development of a suite of online software tools for data analysis and error-checking. This project expands on existing infrastructure developed for distributed mammal (MaNIS), amphibian and reptile (HerpNet), and fish (FishNet) databases. Improved access to avian data sets will allow predictive uses to reveal patterns and processes of evolutionary and ecological phenomena that have not been apparent heretofore. Along with similar infrastructures for other vertebrate groups, it also will enable detailed and synthetic knowledge of the earth's biodiversity for tracking climate change, emerging diseases (e.g., West Nile Virus), and other conservation challenges for species in the 21st century.

Abbreviations: ORNIS

Resource Type: data or information resource, database

Keywords: aves, bird, georeferencing

Funding: NSF

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: ORNIS

Resource ID: SCR_002896

Alternate IDs: nif-0000-25776

Old URLs: <http://olla.berkeley.edu/ornisnet/>

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260829T182919+0000

Ratings and Alerts

No rating or validation information has been found for ORNIS.

No alerts have been found for ORNIS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Villegas M, et al. (2021) Ecological niche differentiation in Chiroxiphia and Antilophia manakins (Aves: Pipridae). PloS one, 16(1), e0243760.

Derryberry EP, et al. (2018) Ecological drivers of song evolution in birds: Disentangling the effects of habitat and morphology. Ecology and evolution, 8(3), 1890.

Pe??a-Peniche A, et al. (2018) Climate complexity in the migratory cycle of Ammodramus bairdii. PloS one, 13(8), e0202678.

Prieto-Torres DA, et al. (2016) Reconstructing the Mexican Tropical Dry Forests via an Autoecological Niche Approach: Reconsidering the Ecosystem Boundaries. PloS one, 11(3), e0150932.

Rohwer S, et al. (2015) Irrigation and avifaunal change in coastal Northwest Mexico: has irrigated habit attracted threatened migratory species? PeerJ, 3, e1187.

Miller MJ, et al. (2014) Genetic and phenotypic characterization of a hybrid zone between polyandrous Northern and Wattled Jacanas in Western Panama. BMC evolutionary biology, 14, 227.

Robertson T, et al. (2014) The GBIF integrated publishing toolkit: facilitating the efficient publishing of biodiversity data on the internet. PloS one, 9(8), e102623.

Pinilla-Buitrago G, et al. (2014) CracidMex1: a comprehensive database of global occurrences of cracids (Aves, Galliformes) with distribution in Mexico. ZooKeys(420), 87.

D'Emic MD, et al. (2013) Measurement, variation, and scaling of osteocyte lacunae: a case study in birds. *Bone*, 57(1), 300.

Wieczorek J, et al. (2012) Darwin Core: an evolving community-developed biodiversity data standard. *PloS one*, 7(1), e29715.

Monahan WB, et al. (2012) Niche tracking and rapid establishment of distributional equilibrium in the house sparrow show potential responsiveness of species to climate change. *PloS one*, 7(7), e42097.

Smith BT, et al. (2011) The role of historical and contemporary processes on phylogeographic structure and genetic diversity in the Northern Cardinal, *Cardinalis cardinalis*. *BMC evolutionary biology*, 11, 136.