DoD Participation in the Avian Knowledge Network (AKN): the Who, What, Where, When, Why, and How

Regional training, January 24-26, 2023, White Sands Missile Range, New Mexico

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Agenda

All times Mountain Standard (MST)

Tuesday, January 24

All times Mountain Standard (MST)

1030 (30 min) — Welcome, Introductions, and Logistics

Welcome to the DoD / AKN workshop on using the AKN technologies for managing and utilizing avian data in the AKN.

- Welcome from the Garrison Commander
- Introductions
- Review the workshop agenda

- Logistics and facilities
- What to do if you encounter technical problems

1100 (60 min) — AKN Project Data 101

We will cover how the AKN represents observational data and how to find the best way to organize and curate your data in a project database.

- How the AKN organizes data
- What is a Project Database?
- Protocols, Sampling Units, and Researchers
- Events and Observations

1200 (15 min) — Presentations by WSMR staff

- Examining Potential Impacts of Artificial Light at Night on Avian Migration and Local Birds We may Encounter During Field Surveys - Dylan Osterhaus (PowerPoint (AKN Slides_Chihuahuan Birds_1.24.23.pptx) or PDF (AKN Slides_Chihuahuan Birds_1.24.23.pdf))

1215 (60 min) — Lunch

1315 (60 min) — Creating Project Metadata

We will cover how to create metadata in our Project Database.

- Choosing and managing protocols (DEMONSTRATION of Biologist (https://data.pointblue.org/science/biologists/) for *Protocol Research* and *Manage Protocols for Project*)
- Adding people (DEMONSTRATION of Biologist (https://data.pointblue.org/science/biologists/) for *Assign Researchers to Project*)
- EXERCISE 1: Creating the Point Count sampling unit hierarchy (Word (Exercise1-CreateSamplingUnits.docx) or PDF (Exercise1-CreateSamplingUnits.pdf))
- Download the sampling units into a GIS file (DEMONSTRATION of Biologist (https://data.pointblue.org/science/biologists/) for *Download Locations to GPS, GIS and more*)

1415 (45 min) — Entering observation data to a Project

We will cover how to enter observation data into the Project Database that is defined by the metadata we created.

- EXERCISE 2: Enter and proof a point count field survey (Word (Exercise2-EnterPointCountObservations.docx) or PDF (Exercise2-EnterPointCountObservations.pdf))
- Downloading your point count data (DEMONSTRATION of Biologist (https://data.pointblue.org/science/biologists/) for *Download Observations*)

1500 (15 min) — Break

1515 (45 min) — Bulk loading data to a Project

We will cover how to bulk load data into the Project Database.

- Templates for uploading, and batch processing
- EXERCISE 3: Bulk loading sampling locations (Word (Exercise3-BulkLoadingSamplingUnits.docx) or PDF (Exercise3-BulkLoadingSamplingUnits.pdf))
- Office hours and bulk loading your data

1600 (30 min) — Introduction to field exercise and logistics for Wednesday

- Field Exercise and Data Entry (Part 1) (Word (FieldExerciseAndDataEntry.docx) or PDF (FieldExerciseAndDataEntry.pdf))
  - Introduction to field protocol and datasheets
  - Volunteers with GPS units can upload points

1630 (30 min) — Day 1 Wrap-up

- Plus, Delta
- Setting the stage for Wednesday

1700 — Adjourn

Wednesday, January 25

All times Mountain Standard (MST)

0800 (60 min) — Meet at the classroom

- Divide up into groups for carpools to each transect, hand out field forms as needed
- Bring clipboards, pencils, binoculars, and a timer (e.g., your phone or watch).

0900 (2.5 hrs) — Point Counts in small groups

- See "Field Exercise and Data Entry" for an example filled out field form.

1130 (90 min) — Lunch

1300 (60 min) — Data entry

- Field Exercise and Data Entry (Part 2)
  - Upload Sampling Units
  - Enter data

1400 (30 min) — Day 2 Wrap-up

- Plus, Delta
- Setting the stage for Thursday

1430 (90 min) — Office Hours

1600 — Adjourn

Thursday, January 26

All times Mountain Standard (MST)

0800 (60 min) — AKN Warehouse Data 101

We will cover how data flows and is made available to other tools and users across DoD and the AKN.

- What is a Data Warehouse?
- Data sharing levels and the AKN tools that use them.
- Data sharing, data security, data ownership, and data sharing agreements.

- Setting data sharing levels (DEMONSTRATION of Biologist (https://data.pointblue.org/science/biologists/) for *Data Sharing Levels*)

0900 (60 min) — Discovering observation data

We will cover how to discover other projects using the AKN.

- EXERCISE 4: Create a species list with RAIL Tool (Word (Exercise4-CreateSpeciesListWithPhenologyTool.docx) or PDF (Exercise4-CreateSpeciesListWithPhenologyTool.pdf))
- Downloading data from a Warehouse using Data Download (DEMONSTRATION of Data Downloader (https://data.pointblue.org/apps/downloader/))

1000 (15 min) — Break

1015 (45 min) — Looking for trends

We will explore solving some of the specific problems that are faced by DoD facilities.

- EXERCISE 5: Using the Data Catalog and Observations Map (Word (Exercise5-ExploreSpeciesAndTrendsWithDataCatalogAndObservationsMap.docx) or PDF (Exercise5-ExploreSpeciesAndTrendsWithDataCatalogAndObservationsMap.pdf))

1100 (15 min) — How have others organizations fully leveraged the AKN?

We will show examples of how other organizations have taken full advantage of the AKN technical infrastructure.

1115 (30 min) — What should you expect in the coming year with AKN and DoD?

We will cover plans and updates for DoD and the AKN.

- DoD AKN Program Management Plan
- Planned Updates, Tools, Data Initiatives
- OSD and Military Service Support
- Cooperative Agreement
- Updates on Service-specific Work
- On-going Support

1145 (15 min) — Next steps for you

- Demonstration of user management
  - Creating a new log-in for a biologist or project leader
  - Assigning roles to project personnel
  - Creating a new researcher

1200 (30 min) — Wrap-up, Pluses and Deltas

We will evaluate the day and make sure everyone is clear on Office Hours.

- Pluses and Deltas
- Parking lot review
- Reminder of office hours
- Final questions

1215 (90 min) — Lunch

1345 (2 hrs) — Office Hours

1545 — Adjourn