

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

NMFWA Workshop, March 12, 2021, virtual (using WebEx)

Agenda

0800 PST / 1100 EST (30min) — 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 and introductions
- Review the workshop agenda
- Logistics: virtual etiquette, location of materials, break out rooms, keeping on time
- What to do if you encounter technical problems

0830 PST / 1130 EST (60min) — 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.

- AKN Technology Overview - how do all the names you've heard fit together?
- What is a Project Database?
- What choices and decisions do you need to make?
- Data sharing, security, and ownership wrt Project Database

0930 PST / 1230 EST (60min) — 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 (Exercise1-CreateSamplingUnits.docx)
- 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*)

1030 PST / 1330 EST (15min) — Break

1045 PST / 1345 EST (45min) — 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 (Exercise2-EnterPointCountObservations.docx)
- Downloading your point count data (DEMONSTRATION of Biologist (<https://data.pointblue.org/science/biologists/>) for *Download Observations*)

1130 PST / 1430 EST (30min) — Bulk loading data to a Project

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

- How metadata and observation data are formatted and loaded.
- Bulk loading location information (DEMONSTRATION of Bulk Uploader (https://data.pointblue.org/science/projectmanager/bulk_uploader) to *Add Sampling Units*)
- Bulk loading observations (DEMONSTRATION of Bulk Uploader (https://data.pointblue.org/science/projectmanager/bulk_uploader) to *Add Observations*)
- Office hours and bulk loading your data

1200 PST / 1500 EST (60min) — Meal break

1300 PST / 1600 EST (60min) — 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, security, and ownership for data in the Warehouse, and data sharing agreements.
- Setting data sharing levels (DEMONSTRATION of Biologist (<https://data.pointblue.org/science/biologists/>) for *Data Sharing Levels*)

1400 PST / 1700 EST (60min) — Discovering observation data

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

- EXERCISE 3: Create a species list with Phenology Tool (Exercise3-CreateSpeciesListWithPhenologyTool.docx)
- Downloading data from a Warehouse using Data Download (DEMONSTRATION of Data Downloader (<https://data.pointblue.org/apps/downloader/>))

1500 PST / 1800 EST (15min) — Break

1515 PST / 1815 EST (45min) — Looking for trends

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

- EXERCISE 4: Using the Data Catalog and Observations Map (Exercise4-ExploreSpeciesAndTrendsWithDataCatalogAndObservationsMap.docx)

1600 PST / 1900 EST (20min) — How have others organizations fully leveraged the AKN?

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

- Klamath Bird Observatory description of how they manage observation data across many projects and how they pull them together to answer large scale conservation questions.

1620 PST / 1920 EST (10min) — What should you expect in the coming year with AKN and DoD?

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

- Current and future direction
- Strategic Plan
- Data initiatives and planned updates and tools
- Broader initiatives with federal partners

1630 PST / 1930 EST (30min) — Wrap-up, Pluses and Deltas

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

- Pluses and Deltas
- Parking lot review
- Final questions