



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

*NMFWA Workshop, March 14, 2022, Spokane, WA*

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## Agenda

*All times Pacific Standard (PT)*

### 0800 (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 and facilities
- What to do if you encounter technical problems

## 0830 (45min) — 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

## 0915 (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 (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*)

## 1015 (15min) — Break

## 1030 (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 (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*)

## 1115 (45min) — 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

## 1200 (60min) — Lunch

## 1300 (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, 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*)

## 1400 (60min) — 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/>))

## 1500 (15min) — Break

## 1515 (45min) — 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))

## 1600 (15min) — 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.

## 1615 (20min) — 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

## 1635 (25min) — 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
- Reminder of office hours
- Final questions