



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

DoD AKN Regional Training, August 29-31, 2023, Naval Base Kitsap-Bangor, Silverdale, WA

Agenda

All times Pacific Daylight (PDT)

Tuesday, August 29

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0800 (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.

- Introductions
- Review the workshop agenda
- Logistics and facilities

- What to do if you encounter technical problems

0830 (45 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

0915 (60 min) — Managing Project Metadata

We will cover how to create and manage 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*)
- 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*)
- Adding people (DEMONSTRATION of Biologist (<https://data.pointblue.org/science/biologists/>) for *Assign Researchers to Project*)

1015 (15 min) — Break

1030 (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*)

1115 (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

1200 (60 min) — Lunch

1300 (120 min) — Presentations on local bird survey efforts

- 1300 (30 min) - Marbled Murrelet (and other marine birds) surveys in Puget Sound - Monique Lance and Scott Pearson, WA Dept. of Fish and Wildlife (PDF (NWFPEM_and_Navy Inland Surveys_2023_reduced.pdf))
- 1330 (30 min) - Local bird ID for field outing - Robin Senner, Navy NR Supervisor (PPT (AKN Presentation_Senner_29Aug2023.pptx) or PDF (AKN Presentation_Senner_29Aug2023.pdf))
- 1400 (30 min) - Jim Creek marbled murrelet and northern spotted owl surveys using ARUs - Alicia Higgs, Natural Resources Manager (Word (Jim_Creek_MAMU_forTWS4_21_23.pptx) or PDF (Jim_Creek_MAMU_forTWS4_21_23.pdf))

- 1430 (30 min) - Northern Alaska spectacled and Stellar's eider surveys - Rebecca Johnson, Natural Resources Manager

1500 (30 min) — Introduction to field exercise and logistics for Wednesday

- Field Exercise and Data Entry (Part 1)
 - Introduction to field protocol and datasheets
 - Volunteers with Avenza can upload maps

1530 (30 min) — Day 1 Wrap-up

- Plus, Delta
- Setting the stage for Wednesday

1600 — Adjourn

Wednesday, August 30

All times Pacific Daylight (PDT)

0800 (60 min) — Meet at the classroom

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

0900 (3 hrs) — Point Counts in small groups

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

1200 (60 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 (120 min) — Office Hours

1630 — Adjourn

Thursday, August 31

All times Pacific Daylight (PDT)

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 (60 min) — Looking for trends

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

- Using the Analyst tool (DEMONSTRATION of Analyst (<https://data.pointblue.org/apps/analysts/>))
- Review our field data from yesterday
- EXERCISE 5: Using the Data Catalog and Observations Map (Word (Exercise5-ExploreSpeciesAndTrendsWithDataCatalogAndObservationsMap.docx) or PDF (Exercise5-ExploreSpeciesAndTrendsWithDataCatalogAndObservationsMap.pdf))

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

- We will show how you will add new users as a project leader
 - Creating a new log-in for a biologist or project leader (DEMONSTRATION of steps to register and approve a new user)
 - Assigning roles to project personnel (DEMONSTRATION in ProjectLeaders (<https://data.pointblue.org/apps/projectleaders/>))
 - Creating a new researcher (DEMONSTRATION in ProjectLeaders (<https://data.pointblue.org/apps/projectleaders/>))

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

1230 (60 min) — Lunch

1330 (2 hrs) — Office Hours

1530 — Adjourn