

## Webinar: An Introduction to ARUs and AI CHAT TRANSCRIPT

*Questions asked in the Chat were answered by the speaker in the recorded webinar. We are publishing this chat because webinar participants shared useful information and links in it.*

01:11:00 Meredith Walker: Thanks for joining us! We hope this webinar is helpful to you. If you feel like making a donation, here is a link to our donations page:  
<https://birdpop.org/pages/donationsMembership.php>

01:21:43 Aaron Coolman: link to the Donovan, Balantic et al paper?

01:24:25 Meredith Walker: Donovan et al. Remote Ecological Monitoring with Smartphones and Tasker [http://usgs-cru-individual-data.s3.amazonaws.com/t Donovan/intellcont/Donovan\\_JFWM\\_Smartphones-1.pdf](http://usgs-cru-individual-data.s3.amazonaws.com/t Donovan/intellcont/Donovan_JFWM_Smartphones-1.pdf)

01:27:09 Ar Kornreich: How do recognizers/classifiers handle instances of mimicry, for example from mimids like Northern Mockingbirds or Gray Catbirds?

01:28:06 Jacquie Walters: The app is awesome! I use it all the time!

01:38:43 Dan (Hoby) Richards: Does BirdNet only ID your top 3 (most common) species? Or can you tell it what species you are looking for?

01:41:08 Robin Garwood: How does one get the python (non mobile device app) version of Birdnet?

01:42:22 Matt Toenies: Hi Jerry, are your protocols for all of this work--including field surveys and especially the data processing component--available publicly or upon request for interested people? I'm especially curious about processing with Google Cloud and any associated cost.

01:42:25 Robin Garwood: Is it possible to determine numbers of individuals of a species from recordings?

01:45:31 Travis Sizemore: Have you heard of anyone using ARUs to collect both bird and bat calls simultaneously? Can an single Audiomoth, for example, accept audio from two different microphones?

01:46:26 Sarah Deckel (she/her): Since BirdNET doesn't identify specific songs/calls, do you have a recommendation for a program that does? (Preferably one that is free?)

01:46:32 Ar Kornreich: Thank you!

01:46:53 Barbara Mann: Do you have any reservations about the RELIABILITY of Birdnet identifications?

01:46:54 José Vargas: Thanks for the presentation!

01:47:10 Kevin Tolan: I use AMMonitor (on R) for Wood Frog detection. I've had huge success for it.

01:47:18 Kevin Tolan: \*with it

01:47:23 Matt Toenies: We ran our recordings from AudioMoths through BirdNET and mockingbirds were definitely problematic, with BirdNET producing very high-confidence misidentifications.

01:47:42 Kevin Tolan: I use these 3D cases <https://www.prusaprinters.org/prints/56767-audiomoth-vault-v3>

01:47:47 Kevin Tolan: For Audiomoth

01:47:50 Jamie Allen: Quantitative data vs presence absence? Can ARU's detect population size within the monitoring area?

01:50:30 Segundo CRESPO: Is it possible to use this methodology to monitor how noise affects birds in their ecology?

01:52:04 Jamie Allen: Previous question ARU's/BirdNET

01:53:09 Jamie Allen: Thank you.

01:54:34 Denise LaBerteaux: wild acoustics has a bat bird monitor \$750

01:54:47 Ed Sharron: Link to Doser paper:  
<https://irma.nps.gov/DataStore/Reference/Profile/2287092>

01:54:51 Travis Sizemore: Okay, thanks for the answers and the great presentation.

01:55:07 Chris Godwin: Wildlife Acoustics used to have the SM2BAT+ unit that could do both birds and bats. This unit is no longer available. The sampling rate for bats was very high, creating very large acoustic files for nocturnal birds. Power was also an issue

01:55:31 Ed Sharron: And:<https://irma.nps.gov/DataStore/Reference/Profile/2286630>

01:55:35 Sarah Deckel (she/her): Thank you!

01:55:39 Kevin Tolan: AMMonitor, Donovan did it for Verdins

01:55:53 Kevin Tolan: Classifying different types of songs vs calls

01:57:47 Ken Burton: It would be easy (and interesting) to compare bird sound with and without observer presence.

01:58:52 Julie: Will this chat be available with the recording?

01:58:52 Chris Ray: Thanks, Jerry! Great info.

01:59:02 Sam Droege - USGS Bee Lab: what about using them for recording photographs longterm

01:59:28 Meredith Walker: I can make the chat transcript available when I post the video

01:59:53 Segundo CRESPO: Thanks, Jerrry!

02:02:21 Kevin Tolan: I've been wanting to do that for AMMonitor!

02:02:28 Matt Toenies: regarding membranes, for people who are having issues with membrane damage on AM cases, any idea why it's happening? Thinking of putting an AM inside a metal suet cage to keep out mammals but not totally sure mammals are the issue.

02:03:14 Robin Garwood: Wildlife Acoustics support people caution against using classifiers developed outside of your area.

02:03:34 Michelle Desrosiers: We had a squirrel or mouse ruin a reconyx camera by chewing the plastic/membrane.

02:04:17 Jamie Allen: You had mentioned a software download site recommended for PC version of BirdNET. Could you please repeat?

02:05:10 Jenna Stanek: <https://github.com/kahst/BirdNET-Lite>

02:05:24 Jamie Allen: Thank you Jerry and Jenna!

02:05:56 Kevin Tolan: Thanks!

02:06:02 Matt Toenies: Thanks for the info!

02:06:06 Stephanie Coates: Thank you!

02:06:06 Segundo CRESPO: thanks!

02:06:07 Ron Torretta: Thanks Jerry for the presentation.

02:06:11 Carol Fields: Thanks!

02:06:11 Karen Fawcett: Thanks