



 **GRUPPO FOS**
soluzioni ad alta tecnologia

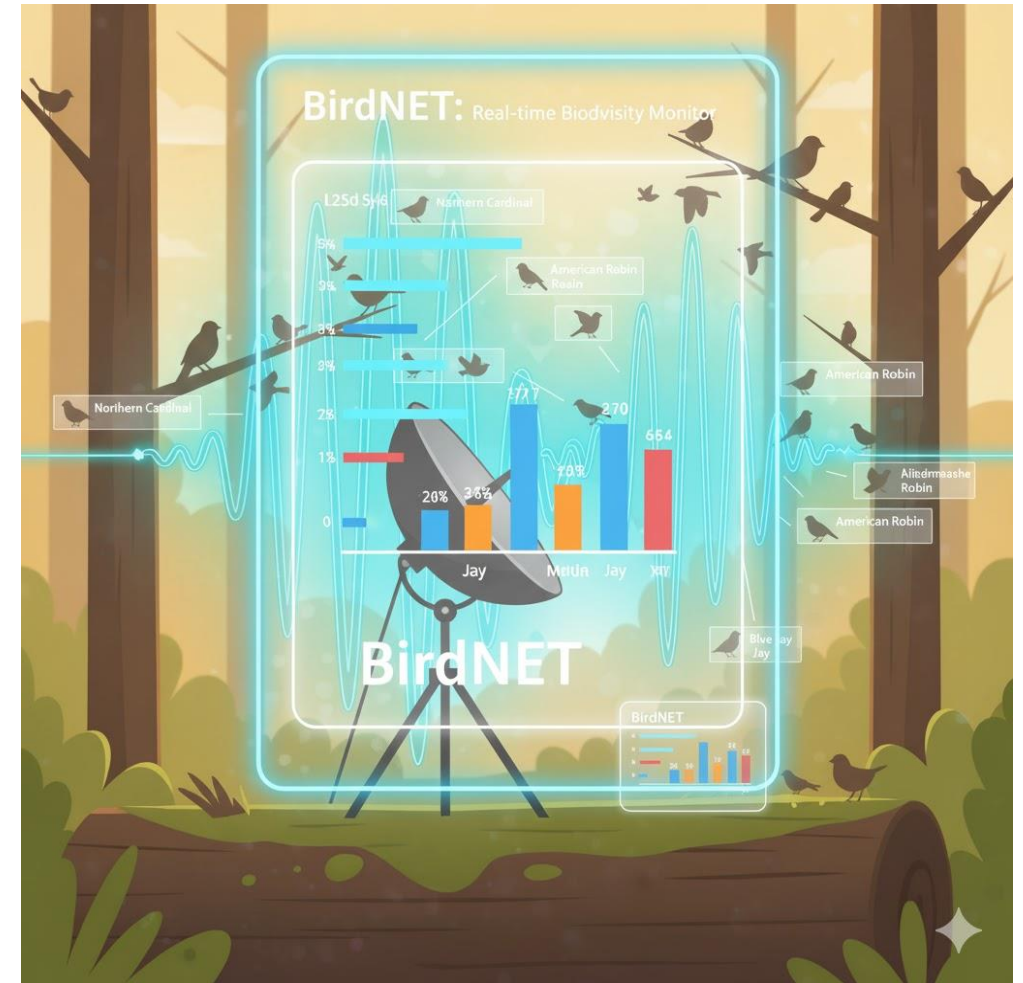
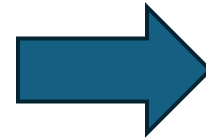
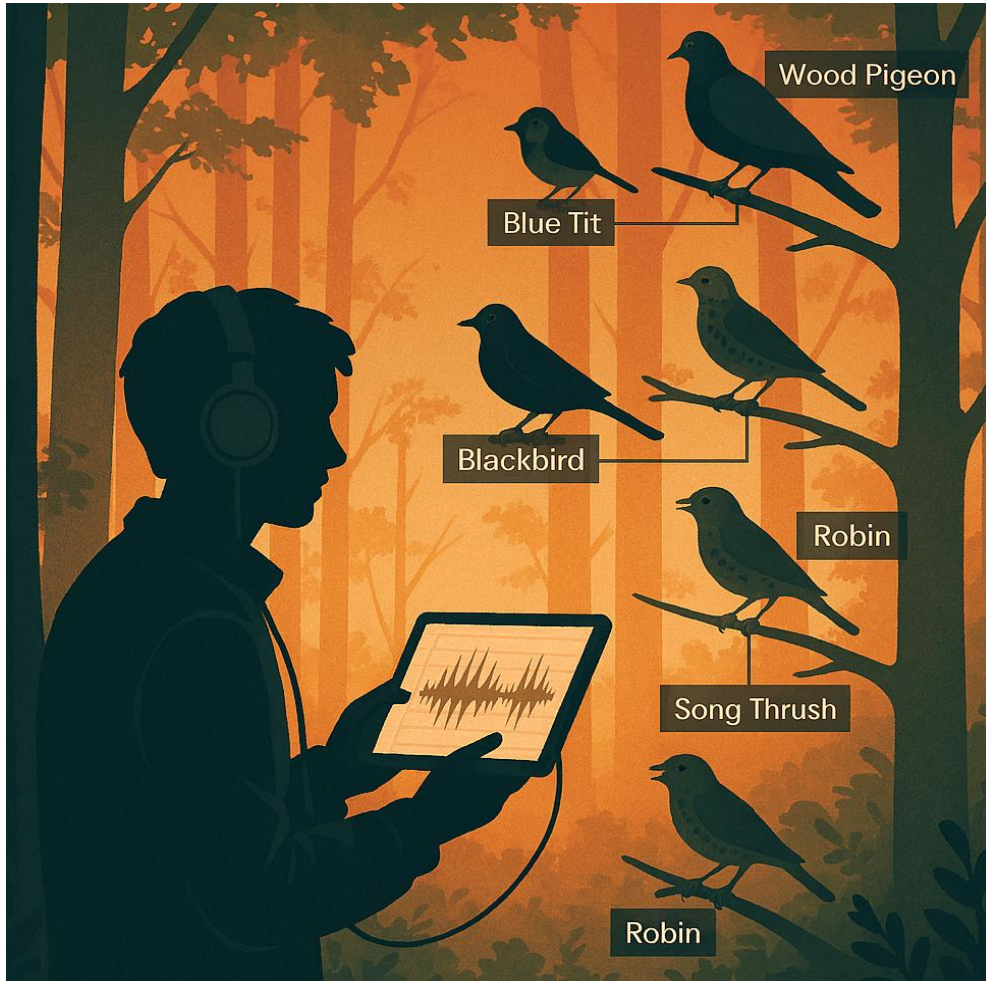
SFSCON FREE SOFTWARE
CONFERENCE

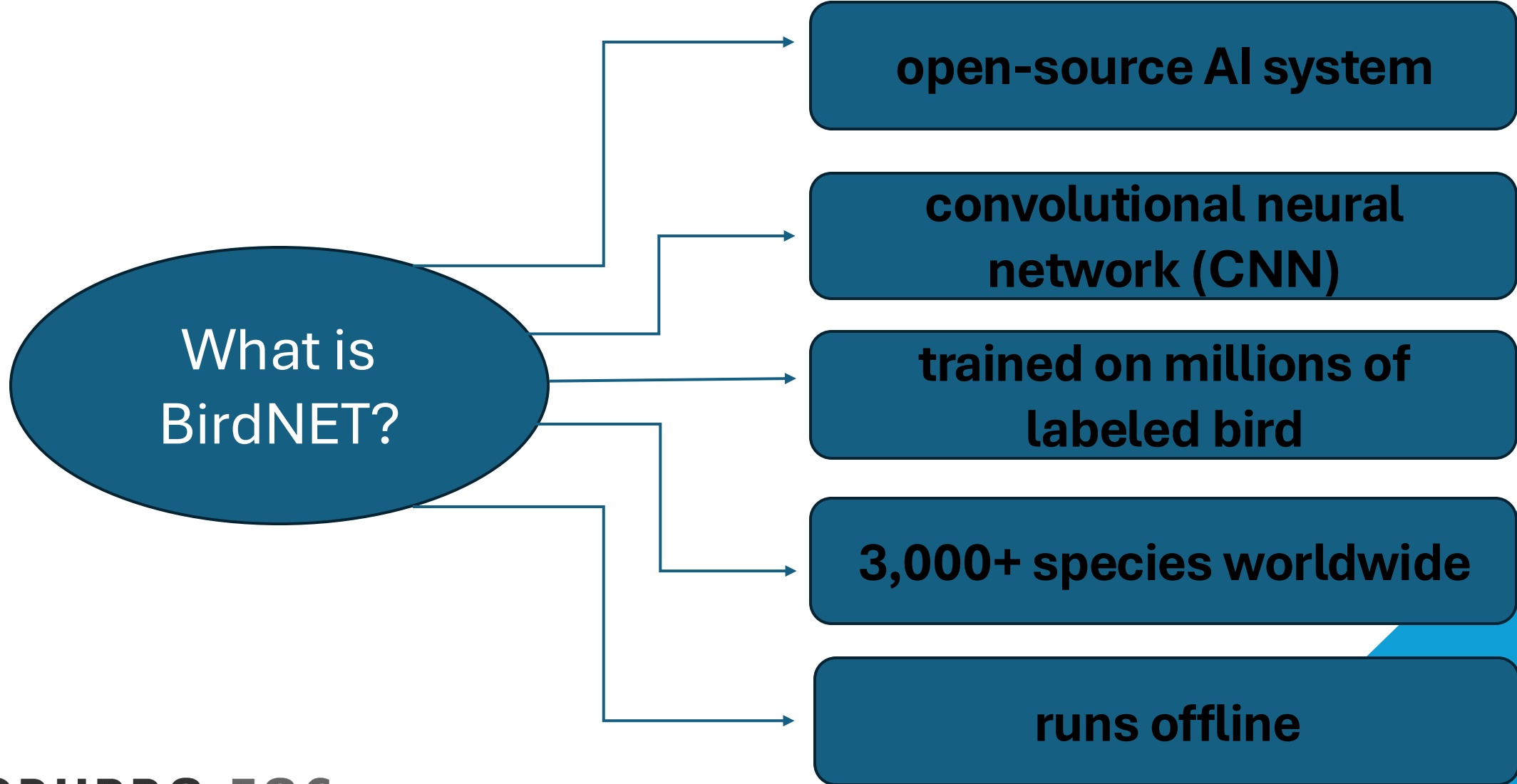
25TH
EDITION



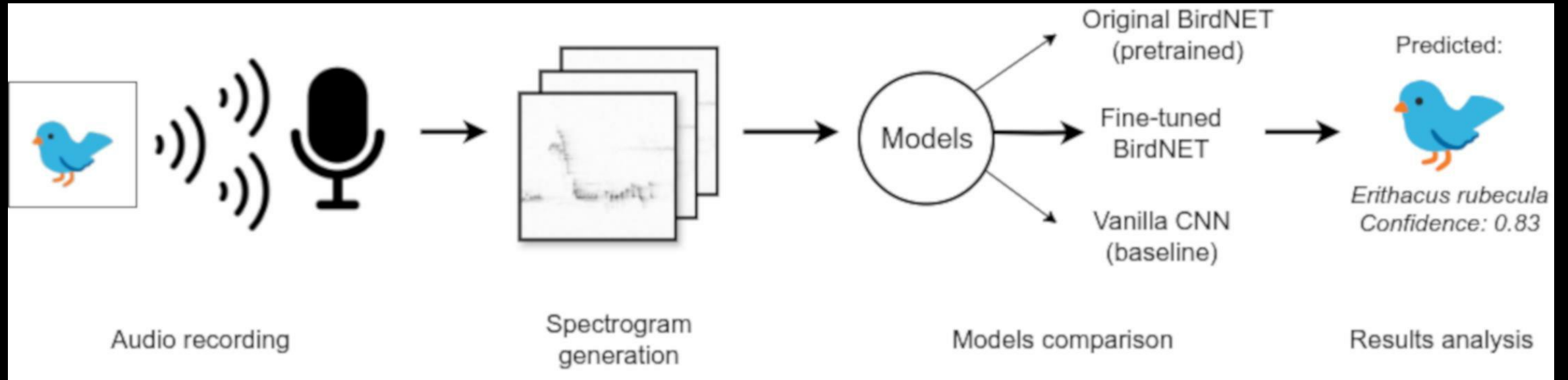
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Presenter:
Orneda Lecini





How BirdNET works?



Why It Matters?



- Passive acoustic monitoring reduces stress for wildlife, no capturing, no tagging, just listening.
- Traditional monitoring is costly and limited.
- BirdNET allows non-intrusive, continuous, automated tracking.
- Data supports migration tracking, population trends, and habitat health analysis.

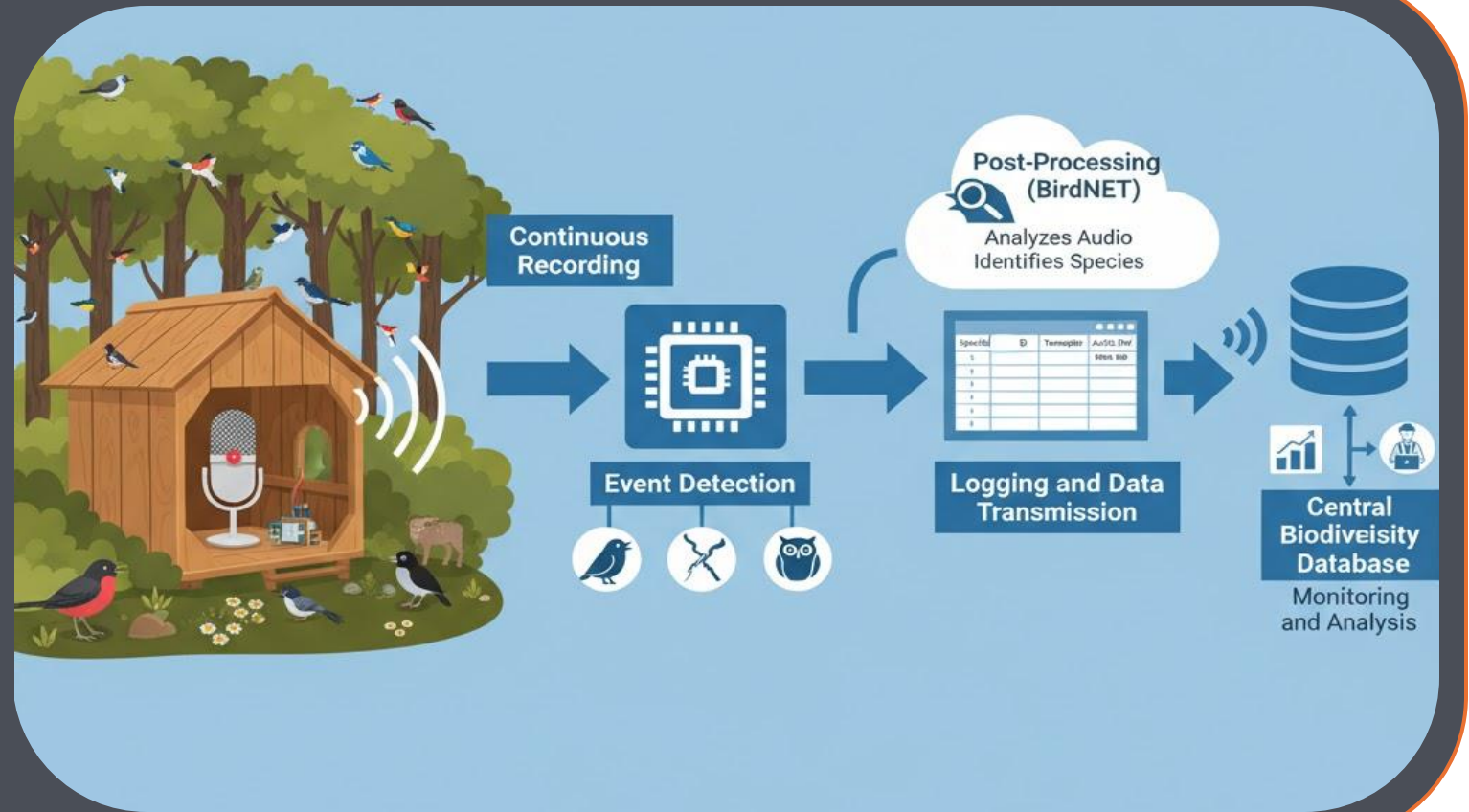
- **AI does not replace nature or code enthusiasts (👉), it helps us discover what we have been missing all along.**



BirdNET in the REINFORCe Project

 **REINFORCe**

GeneRare nuove Evidenze e sfruttare Nuove tecnologie per rafforzare il ruolo della biodiversità in agricoltura



How We Use BirdNET Data in REINFORCe?

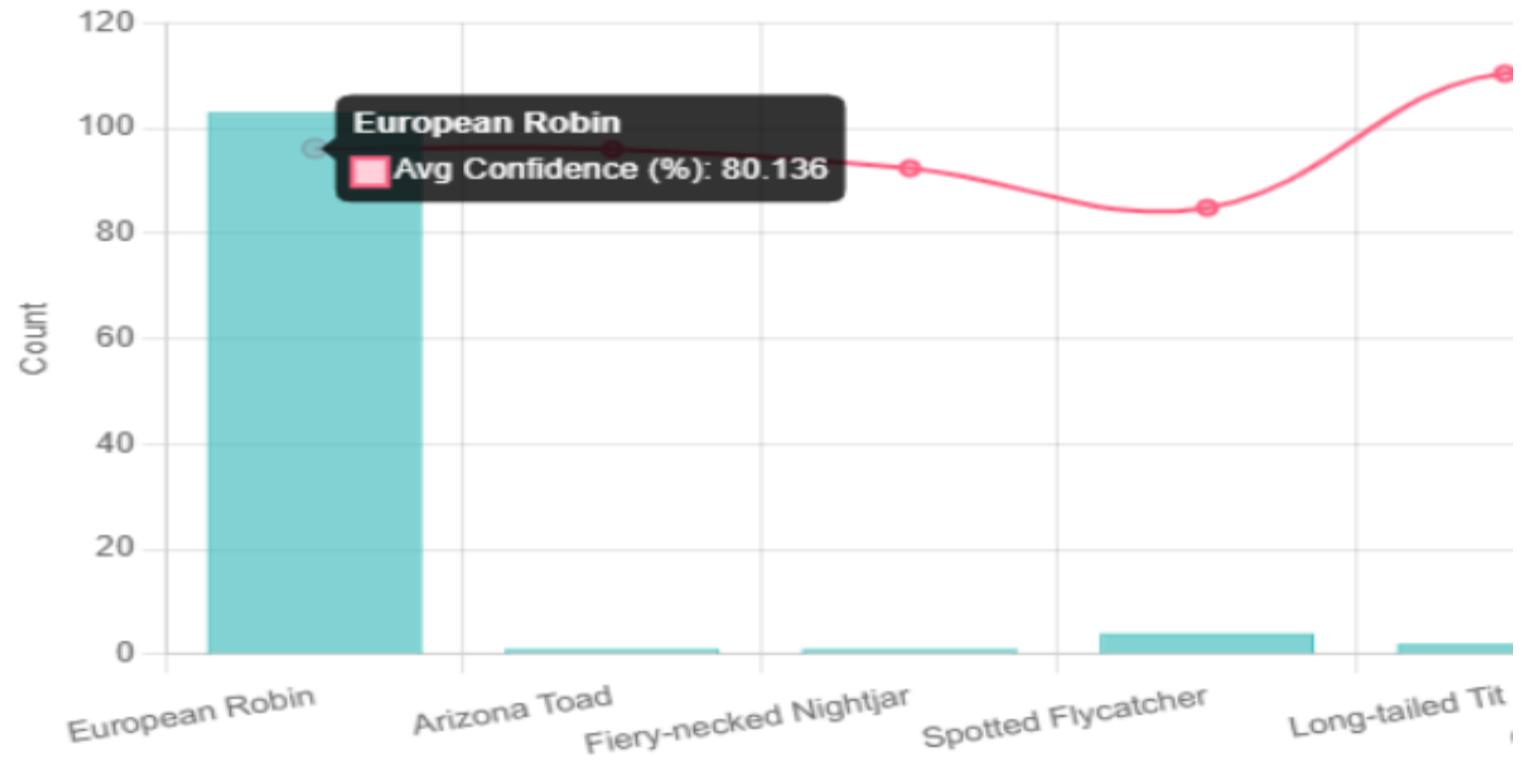
- Each detection includes species name, confidence score, timestamp, GPS location and sensor data (humidity, temperature, pressure, etc).
- Data visualized in dashboards to show biodiversity hotspots.
- Supports researchers, conservation teams, and local communities.

Fact: BirdNET can recognize a single robin's song of 100+ notes in 10 seconds.

BirdNET in the REINFORCE Project

From: 10/17/2025 To: 10/24/2025 Apply Filter Export CSV

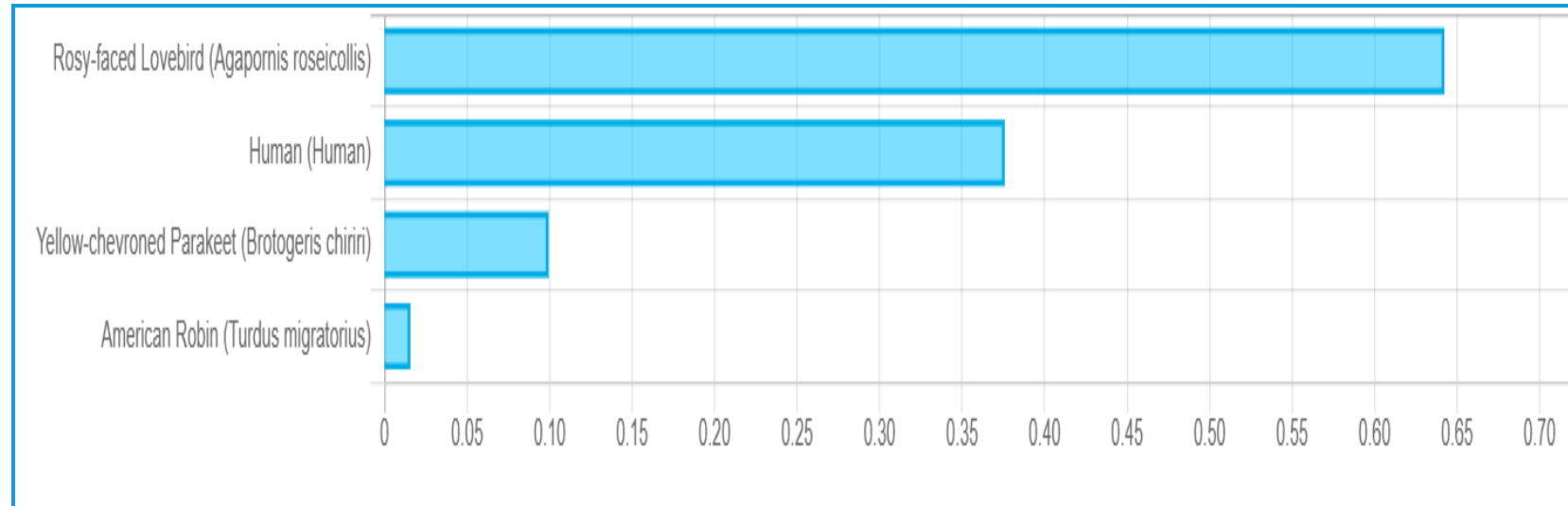
Device	Record Count	Record Type	Detection
Reinforce - Villa Lebrecht	313	audio	<ul style="list-style-type: none"> Arizona Toad: 20 Common Chiffchaff: 3 Eurasian Blue Tit: 1 Dunnock: 1



Open Source & Free Software

- **BirdNET's code and models are open-source → fully inspectable, improvable, and reusable.**
- **Works with open hardware (e.g. Raspberry Pi) → affordable, scalable monitoring.**
- **Encourages collaboration, transparency, and citizen science.**

Unique scenario



Thank you!

For further questions
and/or information
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