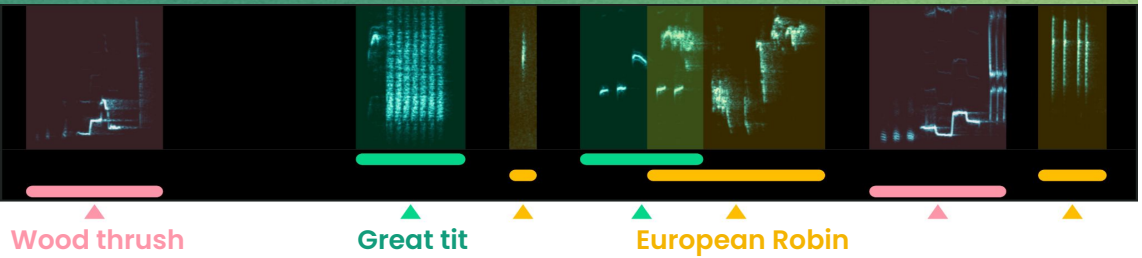
BirdCODE: Detecting bird communication at scale

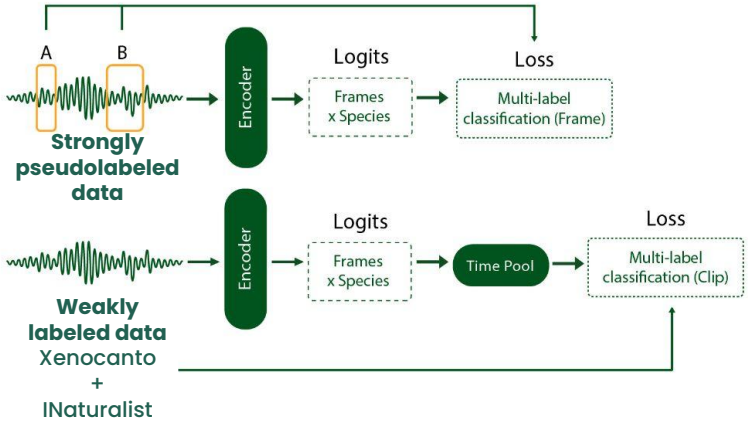
Anthony Fine*, Benjamin Hoffman*, David Robinson, Marius Miron, Milad Alizadeh, Emmanuel Chemla, Maddie Cusimano, Logan S. James, Sara Keen, Emma Matthies, Gagan Narula, Inês Nolasco, Matthieu Geist

Out-of-the-box sound event detection for 9,000+ bird species at 7.6 Hz

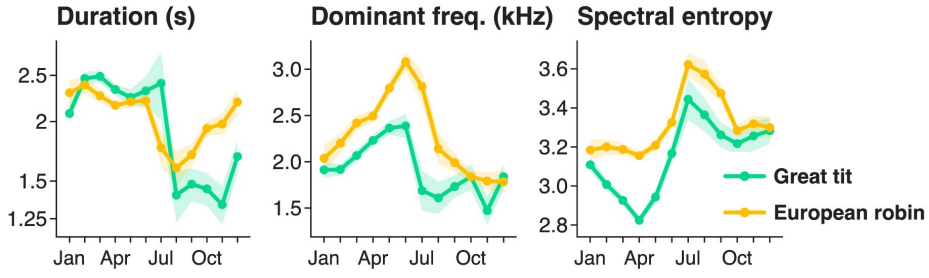
SOTA temporal detection + SOTA BirdSET classification



Training pipeline

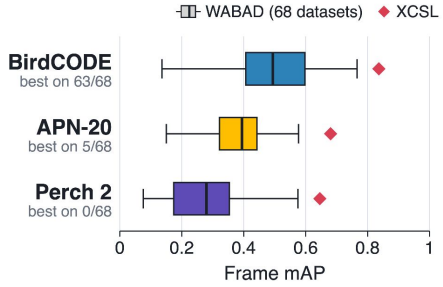


Case study: seasonal variation



Benchmark results:

Sound event detection



BirdSET classification

