

# Do we get „better“ data at national scale if we enhance feedback locally?

## A trial with *ornitho.de* using interactive maps

Johannes Wahl<sup>1</sup>, Sebastian Geidel<sup>2</sup>, Tom Hoyer<sup>2</sup>, Christopher König<sup>1</sup>, Julia Moritz<sup>3</sup>, Stephan Schwan<sup>3</sup>, Jana Moser<sup>2</sup>

### Introduction

Collecting data at large spatial scales is one of the major strengths of citizen science projects. To make such projects work well it has to be a win-win situation to everybody participating: The one who feeds in observations gets back maps, graphs and analyses (and knowledge!) showing the results of the effort of everybody, motivating her/him to feed in more data.

### Aims

With more than 30 Mio. records *ornitho.de* is the leading online-portal for bird observations in Germany. Up to now only Germany-wide maps are available.

As part of our project we will implement a tool (“regio portal”), enabling users to create their own high-quality maps for “their own patch” to make more use of the results and show distribution at a fine-grained scale depicting also potential knowledge gaps (areas with low observation pressure).

### Hypotheses

In regions with a “regio portal”...

- spatial coverage will be better,
- more data from common birds are reported,
- data verification (done by regional coordinators voluntarily) will be improved,
- data of higher quality will be available.

So we expect that more “win-win” is created to everybody.

The project started in Jan. 2018 and will finish in Aug. 2020. Results will be presented on ESCA Conference 2020.

**Fig. 1:** Almost 900,000 observations were submitted to *ornitho.de* in April 2018; more than 23,000 persons are registered. There are huge differences in coverage esp. at the local scale as observers tend to go to hotspots or where others saw interesting species.

**Fig. 2:** Observations can be submitted to *ornitho.de* via the website or the NaturaList app. It's use will also be analysed during the project.



### Author affiliations

<sup>1</sup> Dachverband Deutscher Avifaunisten e.V.; e-mail: johannes.wahl@dda-web.de

<sup>2</sup> Leibniz-Institut für Länderkunde; e-mail: j\_moser@ifl-leipzig.de

<sup>3</sup> Leibniz-Institut für Wissensmedien; e-mail: s.schwan@iwm-tuebingen.de

GEFÖRDERT VOM



Bundesministerium  
für Bildung  
und Forschung

