

Looking for a bachelor/master thesis? Interested in birds and automated sound recognition systems? – Find your topic for a thesis HERE!

Assessing bird diversity in mining sites using automated sound recognition systems

In the course of our project GiBBS, we recorded acoustic bird data in 12 mining sites using Audiomoth devices.

The aim is to:

1. Analyze these recordings using automated sound recognition software (Raven, BirdNET, R)
2. Use the generated bird diversity data set to answer meaningful research questions depending on your main area of interest. Possible options are:
 - a. Comparison with available Citizen Science data
 - b. Analyze changes in bird diversity along successional gradients
 - c. Investigate the effect of the surrounding land use on bird diversity in mining sites
 - d. Or other...

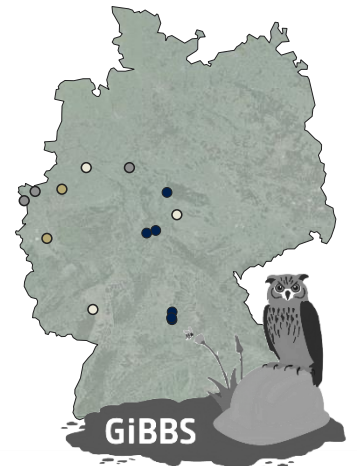
You should bring:

1. A high level of interest and motivation to work with large datasets and corresponding software
2. Willingness to spend a certain amount of time in Hamburg for data analysis at the Leibniz Institute
3. Knowledge of R software for statistical analysis

For further information, please contact:

Katharina Schwesig (katharina.schwesig@uni-muenster.de)

Dr. Vera Zizka (v.zizka@leibniz-lib.de)



GiBBS
Biodiversität in der Baustoffindustrie

