

Data for the scientific article "Evaluating created wetlands for bird diversity and reproductive success"

SND-ID: 2021-90-1. **Version:** 1. **DOI:** <https://doi.org/10.5878/04dn-pw77>

Download data

bird_diversity_created_wetlands_coordinates.csv (3.43 KB)

bird_diversity_created_wetlands_data_Breeding_success.csv (55.66 KB)

bird_diversity_created_wetlands_data_Chick_abundance.csv (59.06 KB)

bird_diversity_created_wetlands_data_Pair_abundance.csv (419.17 KB)

bird_diversity_created_wetlands_data_Species_richness.csv (10.25 KB)

Associated documentation

bird_diversity_created_wetlands_explanations.csv (3.2 KB)

Kacergyte-I-et-al-2021.pdf (1.74 MB)

Download all files

2021-90-1-1.zip (~2.28 MB)

Citation

Kačergyté, I. (2021) Data for the scientific article "Evaluating created wetlands for bird diversity and reproductive success" (Version 1) [Data set]. Swedish University of Agricultural Sciences. Available at: <https://doi.org/10.5878/04dn-pw77>

Creator/Principal investigator(s)

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Research principal

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Description

The conducted study was done in order to investigate what habitat characteristics could explain breeding wetland bird diversity and reproductive success in created wetlands in Uppland, Sweden. The geographical study units were individual wetlands. For each wetland, the data contains all environmental variables considered and estimated within the study (Landscape forest within 1 km buffer, Urban area within 1km buffer, Neighbouring wetlands within 3 km buffer, Size, area of open islands, area of wooded islands, Water vegetation, Local forest (50 m around shoreline), Flooded area, Year of creation, Inflow of water from other sources, Number of ponds within the wetlands, and whether the wetland is managed), as well as species richness, pair abundance, chick abundance and information on whether species succeeded to reproduce.

Data: data contains bird inventories in created wetlands in Uppland, Sweden.

Data collection description:

Four standardised wetland bird inventories of the 89 created biodiversity wetlands in Sweden took

place during the breeding season in 2018: twice during the period when birds were settling or started breeding (14-29 May, "settlement stage"), and twice during the chick-rearing period (18 June - 3 July, "reproductive stage"). The data includes all wetland species except for passerines, and was counting pairs and chicks.

The variables are described in detail in the documentation file.

A file with geographical coordinates for the wetlands, `bird_diversity_created_wetlands_coordinates.csv`, is included.

A raw data file including migratory species and species information for each visit is available upon request.

Data contains personal data

No

Language

[English](#)

Time period(s) investigated

2018-05-15 - 2018-08-20

Variables

22

Data format / data structure

[Numeric](#)

Geographic spread

Geographic location: [Stockholm County](#), [Uppland Province](#)

Responsible department/unit

Department of Ecology, Landscape Ecology Unit

Funding 1

- Funding agency: Stiftelsen Oscar och Lili Lamms Minne

Funding 2

- Funding agency: FORMAS

Funding 3

- Funding agency: Swedish environmental protection agency

Research area

[Environmental sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Natural sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Ecology](#) (Standard för svensk indelning av forskningsämnen 2011)

Keywords

[Wetland](#), [Habitat landscape metrics](#), [Birds presence](#), [Wetland ecology](#), [Birds abundance](#)

Publications

Kačergytė, I., Arlt, D., Berg, Å., Žmihorski, M., Knape, J., Rosin, Z. M., & Pärt, T. (2021). Evaluating created wetlands for bird diversity and reproductive success. *Biological Conservation*, 257, 109084. <https://doi.org/10.1016/j.biocon.2021.109084>

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If you have published anything based on these data, [please notify us](#) with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data description in DORIS.

Polygon (Lon/Lat)

16.534423828125, 60.576174726269

16.534423828125, 59.445075099047

19.017302050531, 59.445075099047

19.017302050531, 60.576174726269

16.534423828125, 60.576174726269

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

Versions

Version 1. 2021-03-29

Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

[PDF](#)

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[File overview \(CSV\)](#)

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