

BIRDCALLS

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1. Description of tables in BIRDCALLS schema in Flysafe database

Data collected by bird call recording system on research platform FINO-1 Originally Ommo Hüppop, Institute of Avian Research "Vogelwarte Helgoland", May 2009

2. Introduction

Within the projects "BEOFINO" and "FINOBIRD" possible effects of offshore wind farms on bird migration had to be investigated. Calls of birds migrating close to or resting on the research platform 'FINO 1' in the southern North Sea (54°01' N, 06°35' E; <http://www.fino-offshore.com>) were detected and recorded automatically by a directional microphone (Sennheiser ME67) with the specially developed software AROMA ('Acoustic Recording of Migrating Aves') from March 2004 to June 2007. Data were recorded as WAVE-files, later compressed to OGG-format and analysed manually by experienced bird watchers.

3. Structure of data collected by marine radar

FINO1_CALLS_EFFORT

This table contains the number of radar-screenshots per hour.

day_cet	Date, Central European Time
hour_cet	Beginning of hour, Central European Time
effort	Boolean, indicates whether the bird calls detection system was operable in the respective hour

FINO1_CALLS

This table contains the number of echoes per hour and altitude layer.

species	Scientific name of species
day_cet	Date, Central European Time
hour_cet	Beginning of hour, Central European Time
total	Number of calls detected per species and hour