

Description:

The dataset is of image frames extracted from videos recorded in two wind farms in Denmark. The locations are Skagen and Klim and it was recorded in 2017 and 2018, respectively. The datasets are collected in order to be used in developing a model to detect and count birds in wind farms in order to prevent their collision with wind turbines. The frames are grayscale with images of birds flying at different distance from the cameras. The frames are annotated and used to train three deep learning models, hence they are referred to as Model 1, Model 2, and Model 3. Each frame has a corresponding text file with the same name that contains coordinates of where the object is in the image. The datasets are used in the following publication: "A Temporal Boosted YOLO-Based Model for Birds Detection around Wind Farms". The publication should be referenced when using the dataset by other researchers.