

OpenPSD Use Case for ARC DA

Description of the company

ARC DA (Arctic Research and Consulting) is a small company with two partners as the owners. The work is primarily conducted in Norway and Svalbard. The company has published several books about nature and wildlife. One important task is to conduct biodiversity, both as projects for the nature management and for own publications. Another important part of the work is to make computer programs for field registrations. These programs are primarily made for rugged tablet computers. Such programs are important tools for an effective data registration of the biodiversity in the field.

The motivation for the publication of data

Many projects conducted for the nature management in Norway have a claim that data from biodiversity mapping must be reported to Norwegian Species Map Service (Artskart) or GBIF. ARC DA has had such projects and has reported to the Species Observation System in Norway and Artskart. Artskart is maintained in a partnership between the Norwegian Biodiversity Information Centre (NBIC, Artsdatabanken) and the Norwegian GBIF Participant node (GBIF Norway). All species occurrence data in Artskart are simultaneously published in the international GBIF infrastructure.

Arc DA also produces books of wildlife and botany. In this context we also conduct a lot of biodiversity mapping to get material for these publications, especially from North Norway. The company has developed a program for “Species Observations”, specially designed for rugged tablet computers. All flora and fauna in Norway can be registered with this program. One of the partners, Karl-Birger Strann, has registered more than 320 000 observations in North-Norway with this program, primarily of birds but also many of mammals, plants and insects. The program can export files in Darwin Core format and a format suitable for importing to the Species Observation System organized by the NBIC.

Actors involved

Data publication in GBIF from ARC DA is organized by Vidar Bakken. Data is published by the GBIF Norway helpdesk. Artskart maintained by NBIC facilitates the reporting of mandatory environment impact survey data to the national Norwegian environmental authorities.

Procedures

ARC DA is using the Integrated data Publishing Toolkit (IPT) service hosted by GBIF Norway when publishing biodiversity survey datasets to Artskart and GBIF. Vidar Bakken (ARC DA) has a user account with login to the IPT.

Resources

ARC DA joined GBIF in 2018. ARC DA has published one dataset with 8914 occurrences in GBIF. There are plans to deliver larger dataset.

Dataset	Occurrences	Created
Balsfjord Nature Reserves	8914	25/01/2018

Limitations or recommendations

Data publication in GBIF from ARC DA was coordinated by one person, Vidar Bakken. The concentration of this competence and responsibility in one person is a major risk for ARC DA, though ARC DA is also a small company with two partners only. So the size of the company is a risk itself.