



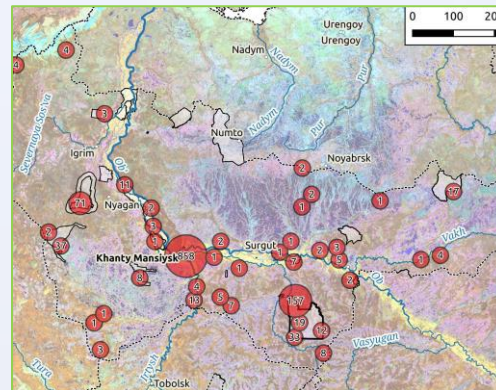
First usage of open data for the revision of the Red Data List in Northwestern Siberia

Regional open data

- Regional **Red Data List** is an official document protecting biodiversity at the local scale, where it is crucial to use up-to-date information on species occurrences obtained locally. Poorly populated and studied territories in Northwestern Siberia experience a deficit of such data. Biodiversity data portals for these regions are just beginning to emerge.
- As part of the **regional biodiversity data mobilization initiative**, lots of data was released for fundamental and applied purposes. Mobilization of fungal records included several sources: 1) regional biological collections, 2) regional literature data, and 3) revision of citizen science observations on the [iNaturalist.org](https://www.inaturalist.org) platform.
- Approximately **60K fungal occurrences have been mobilized as a result**. We used these open data to assess the status and compile annotations for protected species during the next edition of the Red Data List of the Yugra region (2024).



Red Listed fungi of Yugra - illustration by Tatiana Bulyonkova



Red Listed fungal occurrences presented in the dataset

Red List Dataset

- From the *obtained about 60K records*, species already included in protected lists of various statuses were filtered out: IUCN Red List, National Red Data List (2023), previous edition of the regional Red Data List (2013), and were further revised to assess its status for the new edition of the regional Red List. Other rare indicator species were assessed and proposed in various statuses in the new edition.
- As a result of the revision of accumulated occurrences, **a dataset was published in GBIF, including about 1.5K records of 62 species protected by the regional Red Data List of Yugra (2024)**. The number of findings of individual species varied from one to several hundred. The dataset includes information on taxonomic names, coordinates, dates of the findings, source of information, conservation status, and others.