An approach to the virtual flora of Mongolia

- from a data repository to an expert system

What is FloraGREIF?

http://greif.uni-greifswald.de/floragreif

The FloraGREIF project presents the flora of Mongolia, combining taxa (species descriptions), images, distribution, and records of former excursions.

Why Germany – Mongolia?

- Long term research experience in Mongolia since the 1970s at different Institutions in (former East) Germany
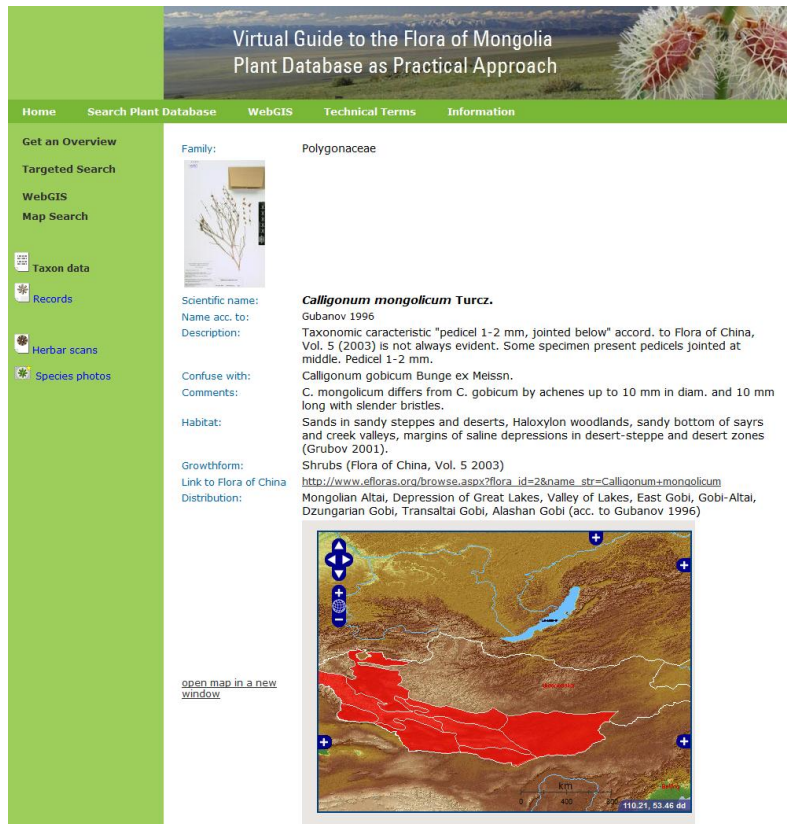- Large herbaria collections from Mongolia in Germany

To whom is it addressed?

At first it is for ecologists, specialists in plant taxonomy, students of biological sciences and amateur botanists. But it is also addressed to all people which are fascinated by the nature of Mongolia, beautiful plants and impressive photos.

Our Partners:

- Academy of Science of Mongolia, State University of Khovd
- Herbaria of Halle, Gatersleben, Berlin, and Jena
- Botanical Garden and Botanical Museum Berlin-Dahlem (Interface to GBIF Network – Global Biodiversity Information Facility)
- The Museum of Natural History Görlitz
- University of Halle and Hamburg

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What is it made of?

Database

- 2871 Mongolian plant species
- 264 synonym names of these plant species
- 4977 herbarium specimen from 26 herbaria
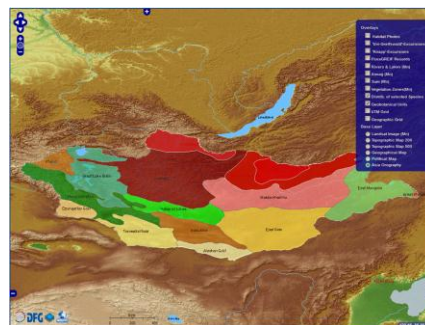- 1781 photo records from 12 photographers
  Last updated 03/2012

Virtual Herbarium and Photo Library

- 1339 scans of herbarium specimen
- 10600 species photos
- 733 macro photos
- 758 habitat photos
  Last updated 03/2012

WebGIS

- Elevation and Distribution Maps
- Satellite Images, Topographic Maps
- Visualization of Geobotanical Units and Vegetation Zones
- Track Logs and other Functionality

What is the future of FloraGREIF?

- Interactive key to determine family and genera
- Built in Gazetteer- Service (toponyms for geographical regions)
- More determined records, more photos
- Gain further project partners
- Extend to other regions in central asia

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