

Motivation and Results

Digitization of collections
compiling images in online portals
retrieving novel data types

- **160,000 specimens (10%)** of the Herbarium Senckenbergianum digitized
- **central hubs** offering **validated information** on German and African flora
- modern **imaging tools** gain **unique information on time series**

Contribution to SGN Program Portfolio

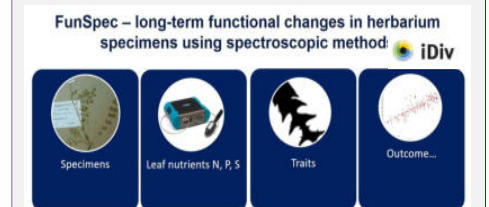
- Digitization and data mobilization facilitate **access to our collections**.
- By online portals we **transfer our knowledge** to the scientific community and the interested public.
- Projects tightly connected to our **botanic outputs in RA1.1** such as monographs and field floras (e.g. Flora Neotropica, Rothmaler Exkursionsflora).



3 Scan of an specimen from Herbarium Senckenbergianum (FR)



4 Collection data are contributed to various international projects



5 The portal African Plants, functional trait and deep learning analyses contribute to knowledge on global plant diversity

1 SGN online portals on the German flora...



2 ...will be implemented in FloraWeb of BfN

Outlook

- By our print and online outputs we aim to establish Senckenberg as a **central information hub for validated information** to the German and African flora.
- Mobilizing functional traits from herbarium specimens will allow us to contribute to the planned extraordinary item of expenditure "Anthropocene Biodiversity Loss", especially for the planned **Jena Centre for Plant Form and Function**.

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References

<https://webapp.senckenberg.de/bestikri> <http://chromosomes.senckenberg.de> <https://webapp.senckenberg.de/lausitzherbar> <http://www.africanplants.senckenberg.de>