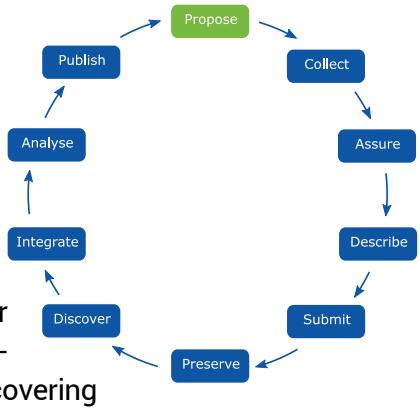
Propose



What is it?

Already think about data management, data sharing and reuse at the proposal stage of the data life cycle! This will save a lot of time later on. You can propose a hypothesis based on previous research by discovering other author's data within the GFBio-Portal. You can initiate a study, e.g. a meta-analysis, by discovering data within GFBio with the aid of the Search-Tool. Discovering other author's data can **hit on new ideas** and you can address a **new research question**. Moreover, you are able to strengthen or **validate your research** by **reusing data** from other owners. You should also decide about providing your data within a collaboration or research project and be part of further research studies. You can do that by publishing your data and make them accessible for your colleagues (see Fact-Sheet 'Publish'). Take account of this in your Research Proposal! You can apply for funding e.g. by DFG to manage your data, by formulating a Data Management Plan for your project as part of your Research Proposal.

How to do it?

1. Be aware of data management and think about data integration and reuse, as well as sharing.
2. Register these thoughts in a Data Management Plan. (You will soon be guided by the GFBio Interactive Data Management Plan Navigator.)
3. Use the Search-Function of the GFBio-Portal. The Support & Helpdesk area will soon supply guidance on how to use it.
4. You will soon be able to use Visualization- and Aggregation-Tools of GFBio to integrate your data with other's data and experience if they are 'fit for your reuse' (of the right scale/granularity).
5. Keep questions in mind like:
    - What are the areas that need further exploration? Which questions need to be addressed/are important?
    - Has this topic already been studied (intensively), and if so, can it be improved?
    - Is the topic of current interest? (Important for funding!) Is there demand/interest in the community (if you propose a service)?
    - Can I make a difference with my study and fill a knowledge gap or have any impact in the area? ("So-what-test")
6. Come up with an idea, initiate and document your hypothesis.

Who does it?

Currently, every **data producer and data reuser,** integrating other data or creating own data within his/her research project or as partner in research programme (like ecologists, geo-scientists, geneticists etc.).

Key elements

- Take Data Management into account of your research questions and formulate a Data Management Plan as part of your Research Proposal, apply for data curation and preservation costs.
- Visit the GFBio-Portal to use the Search-Function and other tools that help to get a clear impression if there are data fit for reuse.
- Are these data suited for your research?
- Propose a hypothesis of current interest.

Useful links

http://www.dfg.de/formulare/54_01/ (Proposal Preparation Instructions)