# HIFIS

## Helmholtz Digital Services for Science — Collaboration Made Easy.

We are starting a **Scientific Project!** Can you help us?

SURE! We support you with Courses, Consulting & Collaboration Tools!



## Courses

Learn how to:

- Program in **Python**, automate **data analysis and plots**, or learn programming concepts for **modelling and simulation**
- Use **git** and **GitLab** to keep track of changes, manage projects and organize working together
- Make your life easier and automate repetitive steps with **Continuous Integration** and **Docker**
- Learn how to prepare your **software** for **publication** and make it **citable**

See all courses

Interactive Online Courses

**570 Course Participants in 2024**
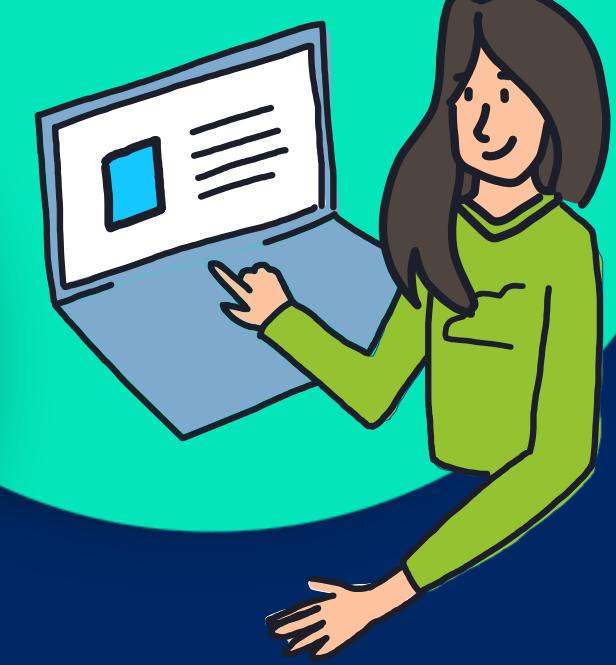
## Consulting

How do I turn my prototype into a maintainable project?

Which licence should I choose?

I need a second pair of eyes!

How do I best get started to implement/achieve XYZ?

Get **personal support** for anything related to **research software**...

- ...from **small** coding related **questions**...
- ...over **code reviews** and feedback on **project structure**...
- ...to advice on **licensing and publishing** your software.

Single consultations to long-term mentoring - **free of charge!**

**SUSTAINABILITY** 10+ YEARS

THAT'S HOW YOU IMPROVE MAINTAINABILITY & AUTOMATE TESTING...

## Tools & Services
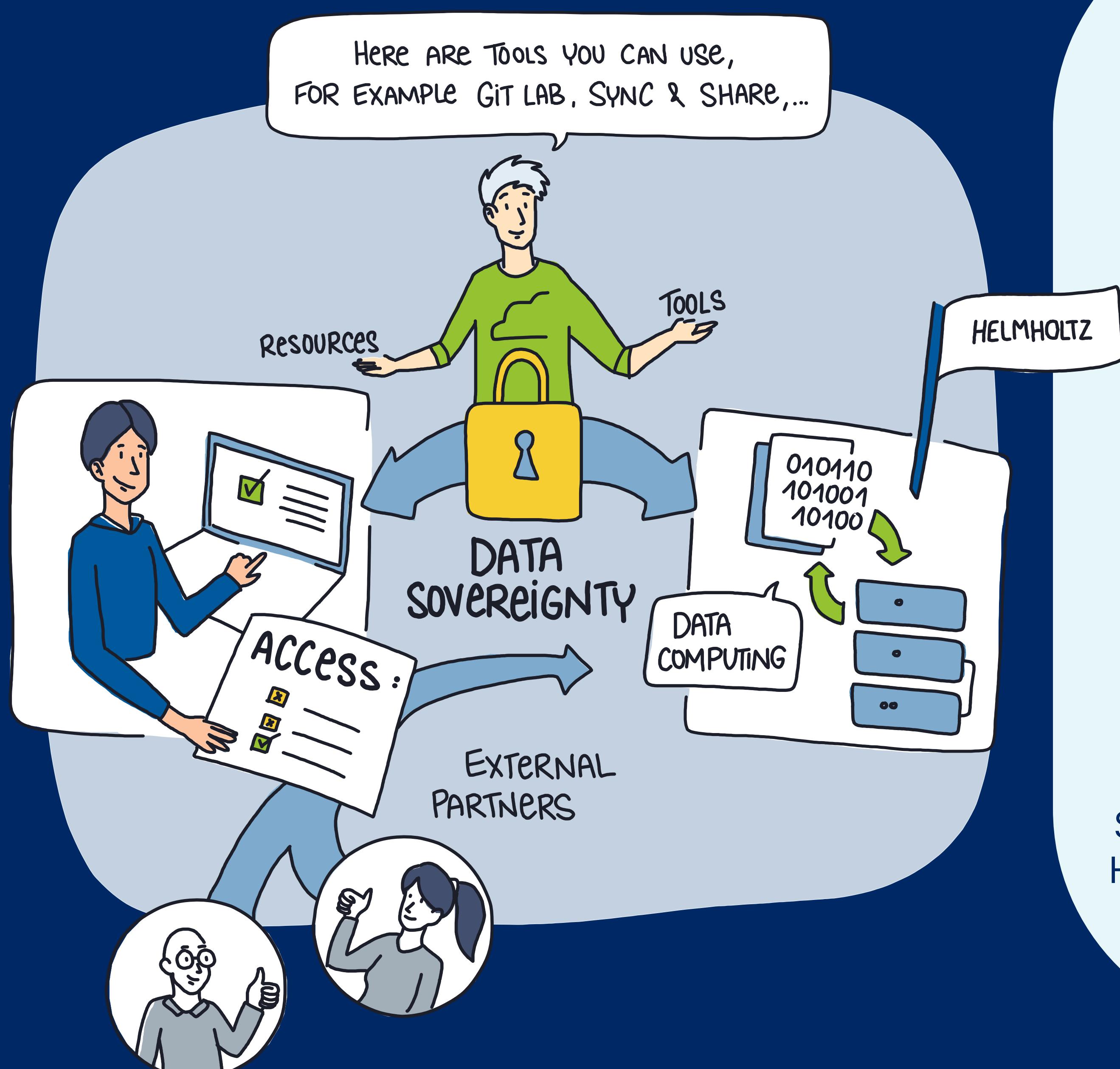
HIFIS provides important Infrastructure - the **Helmholtz Cloud** and **Helmholtz ID**. Use these Services to:

- Keep your data and communication **safe on Helmholtz servers**...
- ...while using a wide range of **well-established services** (like GitLab and Overleaf) simply with your **home institution's login**...
- ...and **collaborate seamlessly** with partners within and outside of Helmholtz. Seamlessly means: They too get to use Helmholtz ID!

HIFIS also supports you in building advanced digital workflows based on Helmholtz Cloud services.

Here are tools you can use, for example GitLab, Sync & Share,...

RESOURCES TOOLS

HELMHOLTZ

ACCESS

**DATA SOVEREIGNTY**

DATA COMPUTING

EXTERNAL PARTNERS

**HELMHOLTZ Cloud**

Services hosted by different Helmholtz centers centrally made available to you on https://helmholtz.cloud

Put any Code on Helmholtz' GitLab

Chat with Colleagues on Mattermost

Organize and Enroll for Events on Indico

Collaborative LaTeX with Overleaf

Sync and Share Docs, Calendars and more on Nextcloud

OpenStack-based Infrastructure-as-a-Service

RSD Publish Software on the Research Software Directory

Collaborative Markdown with HedgeDoc

Store and Access Large-Scale Data

Run and Take Surveys with LimeSurvey

...and many more!

**PUBLISH YOUR SOFTWARE IN THE Helmholtz Research Software Directory AT** https://helmholtz.software

HIFIS is one of 5 Helmholtz Information and Data Science platforms offering services for everyone in Helmholtz:

**HIFIS**  **HiDA** HELMHOLTZ Information & Data Science Academy  **HELMHOLTZ AI** Artificial Intelligence Cooperation Unit  **<HMC>** HELMHOLTZ Metadata Collaboration  **HELMHOLTZ IMAGING**

HIFIS Newsletter

hifis.net