

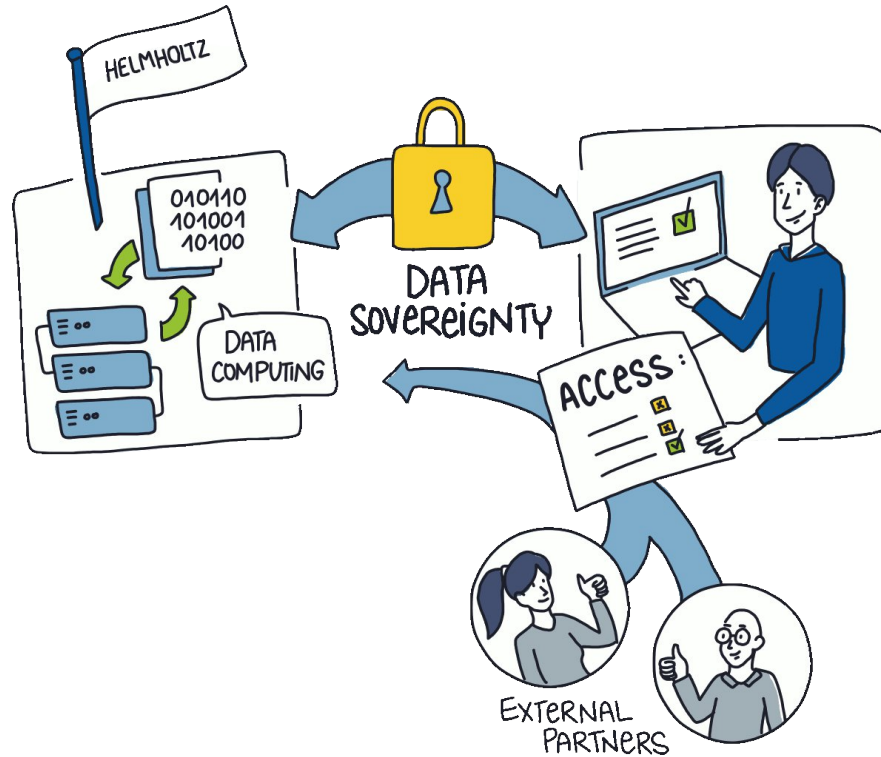


Helmholtz Digital Services for Science - Collaboration made easy.

Software Services by HIFIS
GFZ Research Software Meet-up, Potsdam, 2022-09-14

Uwe Jandt
on behalf of the HIFIS Team

HIFIS Software Services





Providing digital solutions is!



Best-practices for sustainable Research Software Engineering on multiple levels:

Education & Training

- **Courses, material and workshops** for getting you started or boosting your software engineering practice.

Community

- Build and foster communities to support the **cultural change** when dealing with research software.
- Maintain a SW Directory

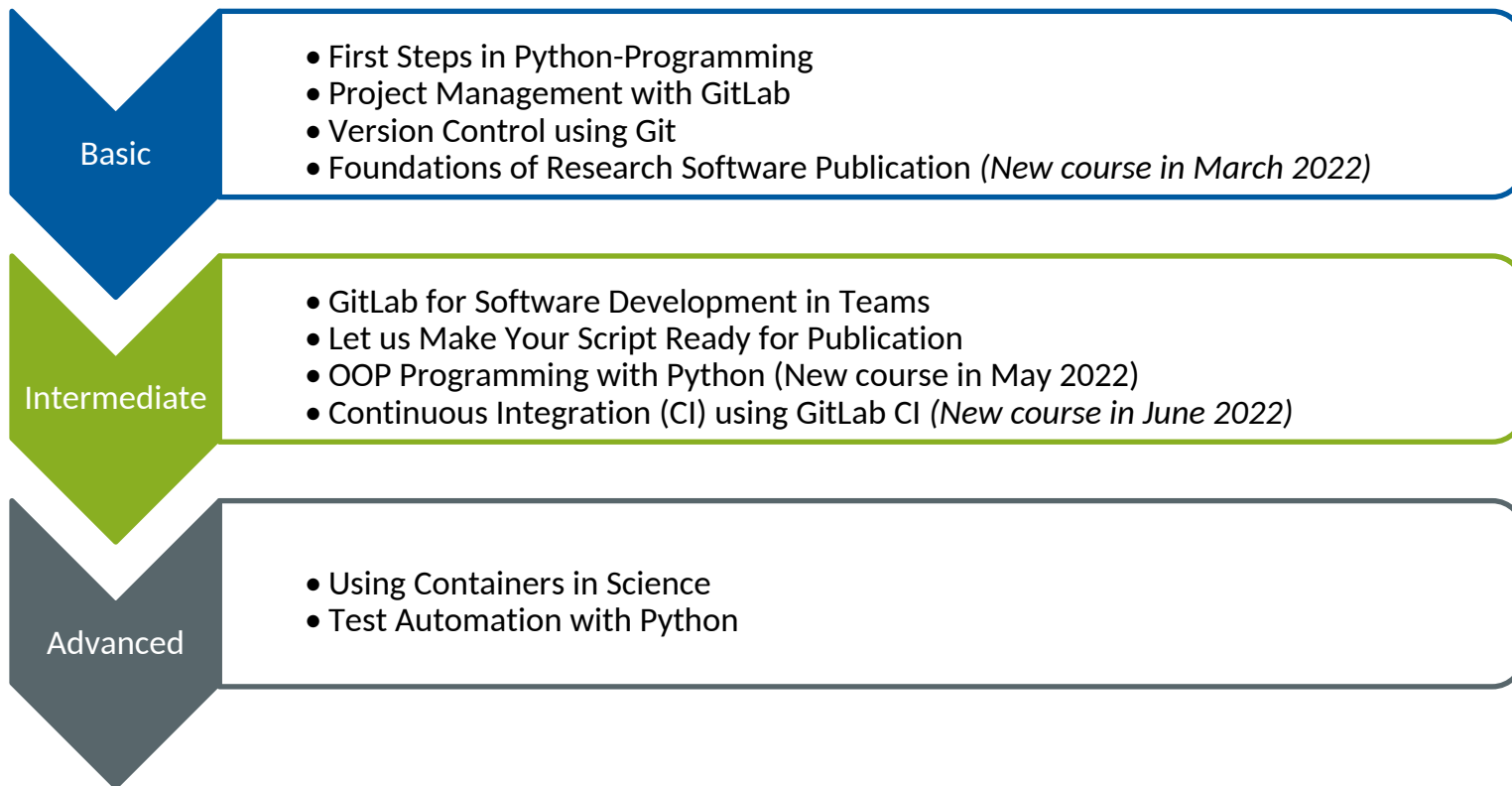
Consulting

- **Contact points** for researchers for questions and problems in the context of RSE.

Technology

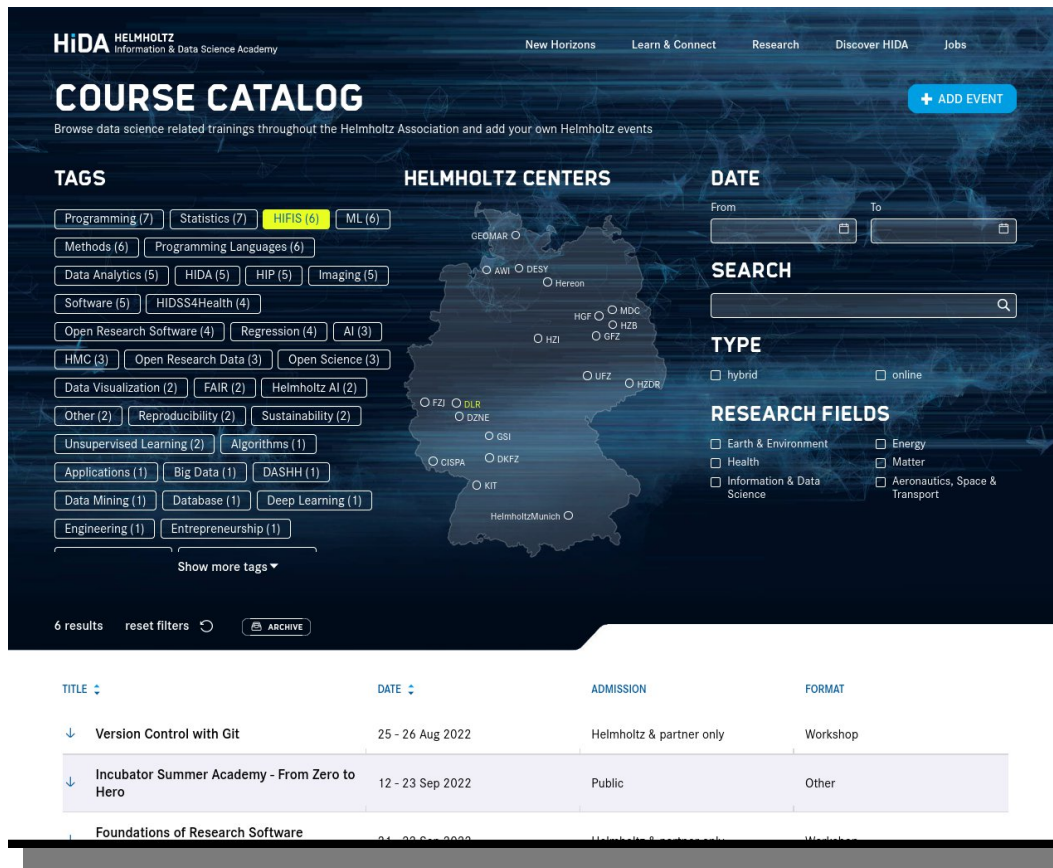
- Provide a sustainable, well integrated and easy to use **technology infrastructure** for research software development.

Education & Training



Education & Training

- Collaborating with others
- *HIDA Course Catalogue* - Central place to announce courses in Helmholtz
- *TEACH* Conference – Talk about Education Across Communities in Helmholtz
- Support Hackathons and other platform events



The screenshot displays the HIDA (Helmholtz Information & Data Science Academy) Course Catalogue. The header includes navigation links: New Horizons, Learn & Connect, Research, Discover HIDA, and Jobs. The main title is "COURSE CATALOG" with a subtitle: "Browse data science related trainings throughout the Helmholtz Association and add your own Helmholtz events". A blue button labeled "+ ADD EVENT" is in the top right.

The interface is divided into several sections:

- TAGS:** A grid of buttons representing various topics and their counts, such as Programming (7), Statistics (7), HIFIS (6), ML (6), Methods (6), Programming Languages (6), Data Analytics (5), HIDA (5), HIP (5), Imaging (5), Software (5), HIDSS4Health (4), Open Research Software (4), Regression (4), AI (3), HMC (3), Open Research Data (3), Open Science (3), Data Visualization (2), FAIR (2), Helmholtz AI (2), Other (2), Reproducibility (2), Sustainability (2), Unsupervised Learning (2), Algorithms (1), Applications (1), Big Data (1), DASHH (1), Data Mining (1), Database (1), Deep Learning (1), Engineering (1), and Entrepreneurship (1). A "Show more tags" link is at the bottom.
- HELMHOLTZ CENTERS:** A map of Germany with markers for various Helmholtz centers, including GEMAR, AMI, DESY, Hereon, HGF, MDC, HZB, GFZ, HZI, UFZ, HZDR, FZJ, DLR, DZNE, GSI, CISPA, DKFZ, KIT, and HelmholtzMunich.
- DATE:** A section for filtering by date range, with "From" and "To" input fields.
- SEARCH:** A search bar with a magnifying glass icon.
- TYPE:** Filter options for "hybrid" and "online".
- RESEARCH FIELDS:** Filter options for "Earth & Environment", "Health", "Information & Data Science", "Energy", "Matter", and "Aeronautics, Space & Transport".

At the bottom, a table lists the search results:

TITLE	DATE	ADMISSION	FORMAT
Version Control with Git	25 - 26 Aug 2022	Helmholtz & partner only	Workshop
Incubator Summer Academy - From Zero to Hero	12 - 23 Sep 2022	Public	Other
Foundations of Research Software	21 - 23 Sep 2022	Helmholtz & partner only	Workshop

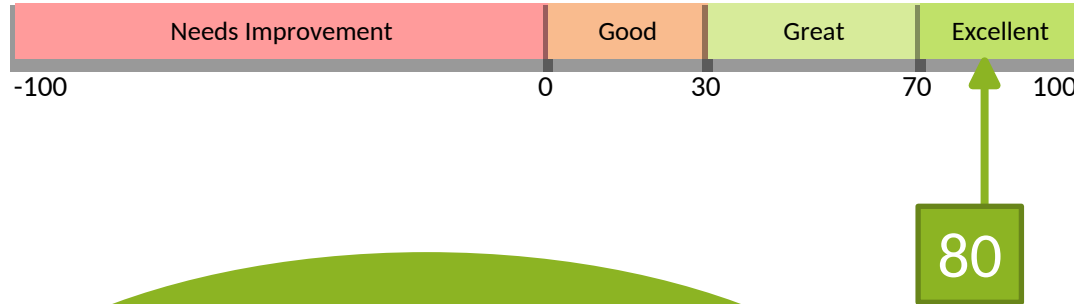
Consulting

- Free-of-charge software consulting for research groups within the Helmholtz umbrella
- Possible topics include, but are not limited to Licensing and Open Source, setting up new projects, code migrations etc.
- Most recent initiative:
 - Awesome List RSE: <https://github.com/hifis-net/awesome-rse>



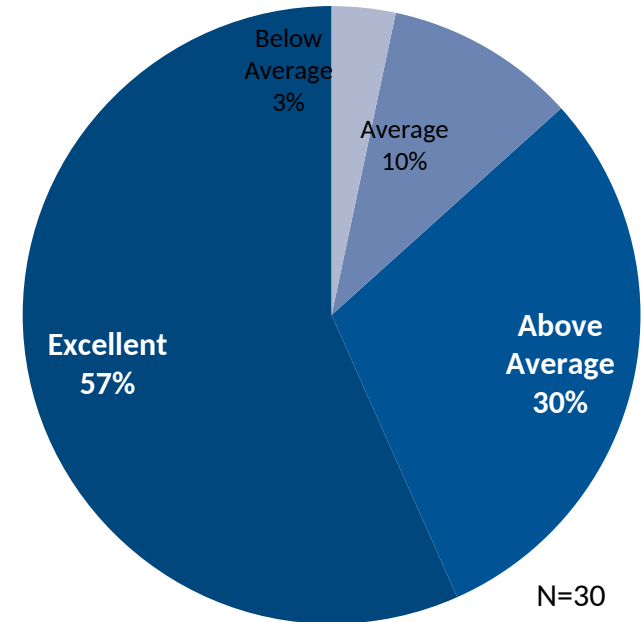
Consulting

Net Promoter Score

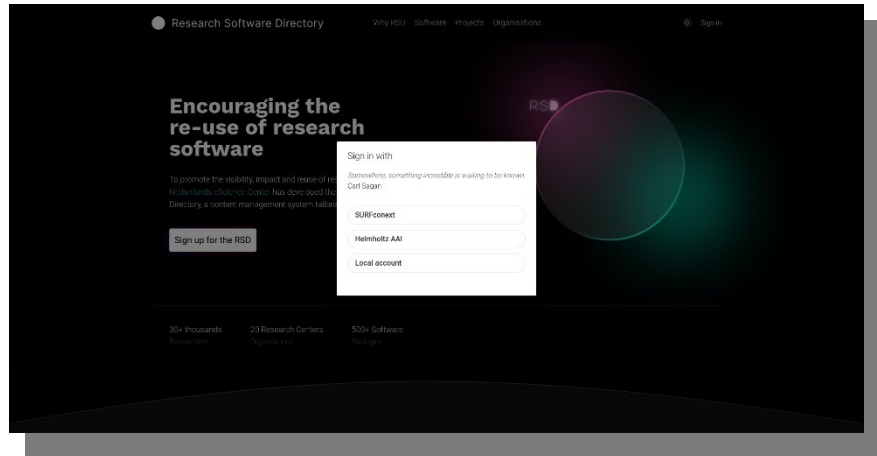


This was a great experience. Having worked at a Helmholtz institution for many years, it is a bit difficult for senior staff to understand that this is really a free and open service meant to support research groups in different fields. This is quite uncommon in “old Helmholtz” and it may take a while before HIFIS becomes widely known and accepted...

Impact of the consultation on your project or work

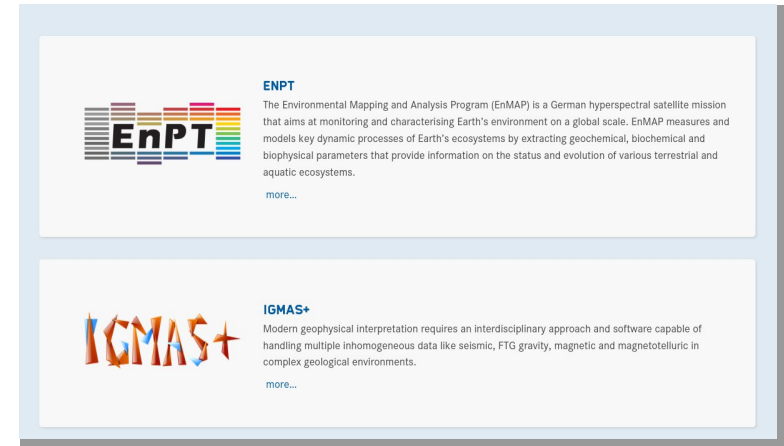


Research Software Directory



- Development of a Research Software Directory for Helmholtz
- Built on top of and in cooperation with the Netherlands eScience center [solution](#)

Software Spotlights



- Present & Promote top success stories of Research Software Engineering in Helmholtz
- > **100 Proposals**, thereof >20 being presented in: <https://hifis.net/spotlights>

I. Helmholtz Digital Services for Science - Collaboration made easy.

Try it! Most Software and Cloud Services readily available for Helmholtz + Partners.

II. Consult us:

- <https://hifis.net>
- <https://hifis.net/news>
- support@hifis.net

III. Instead of talking f2f today:

- Mattermost (link in indico)



Katerina Limpitsouni via undraw.co