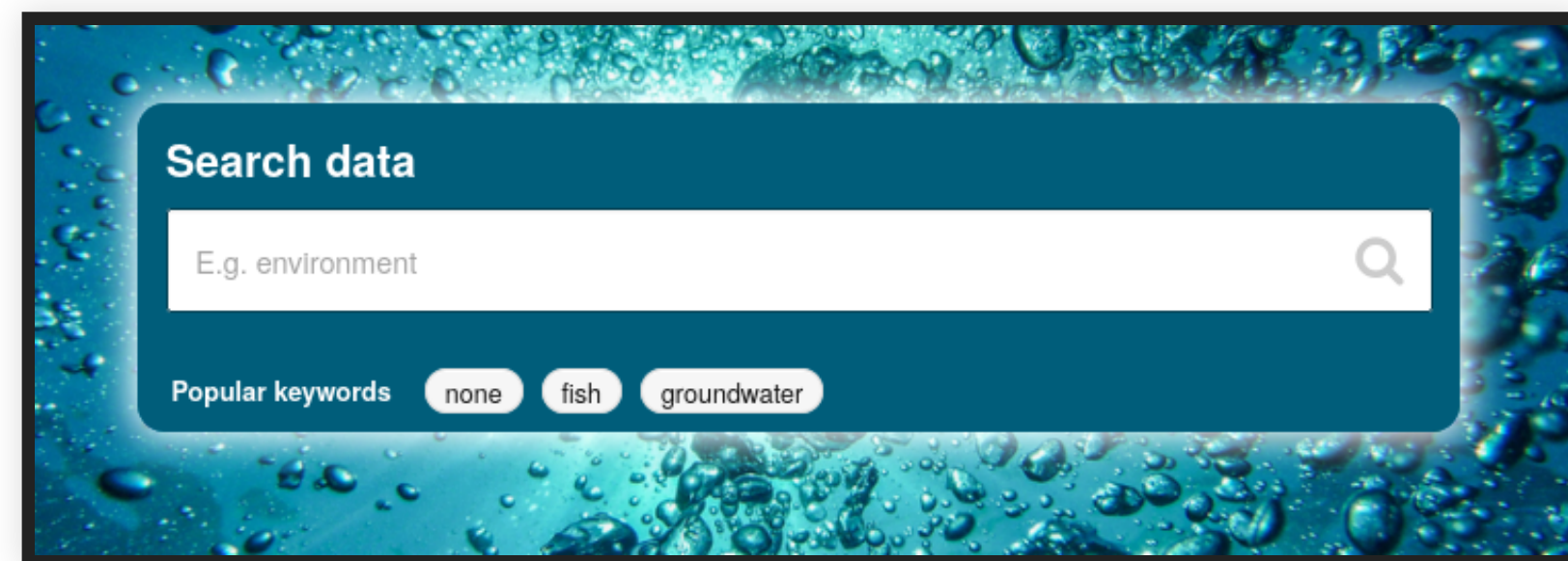


RESEARCH DATA MANAGEMENT @ EAWAG

— SERVICES & SUPPORT —

ERIC internal



Publishing and archiving of research data
an **Eawag**-flavored hands-on guide (v1.0)



Eawag Research Data Institutional Collection

- Development, Maintenance
- No review, quality control or curation
- Support
 - data organization, formats and annotation
 - process automation

ERIC open

- Development, Maintenance
- DOI reservation & registration
- Support reg. workflow in sync with article review & publishing
- (Meta)data dissemination, interlinking (ORCIDs, article-DOIs, ...)
- Review, quality control and curation

Data Management Plans

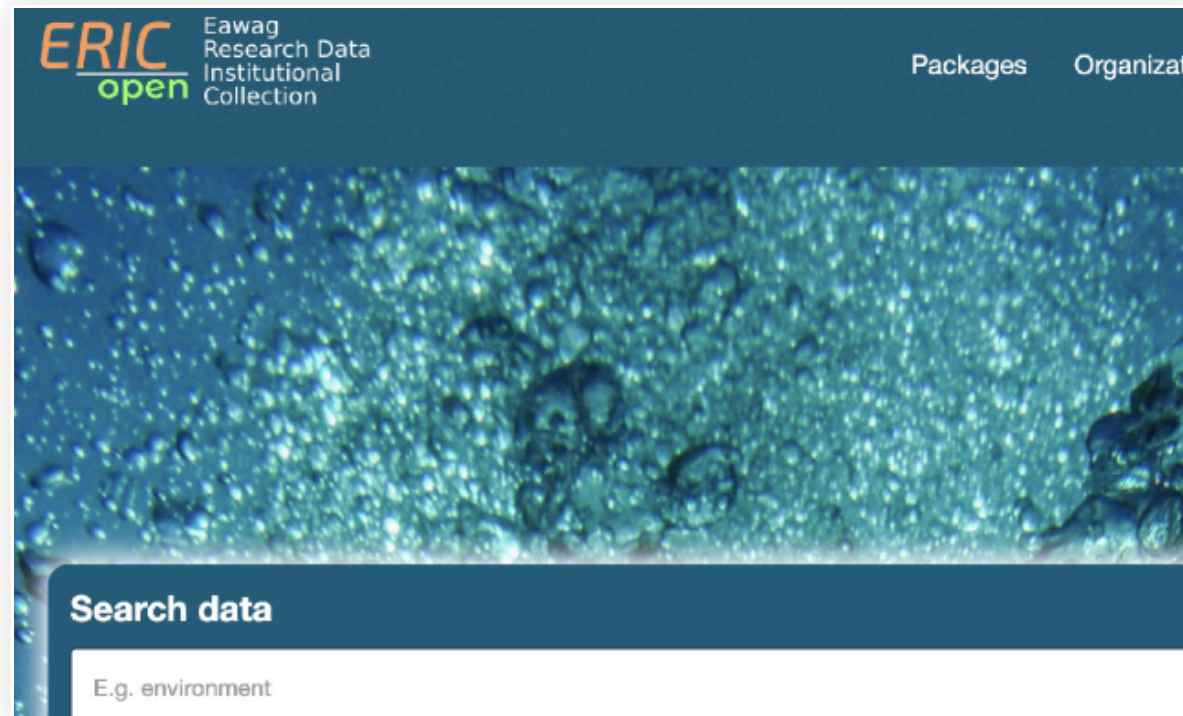
- Guides: (SNF/ETH)
- DMP reviews

Data management planning

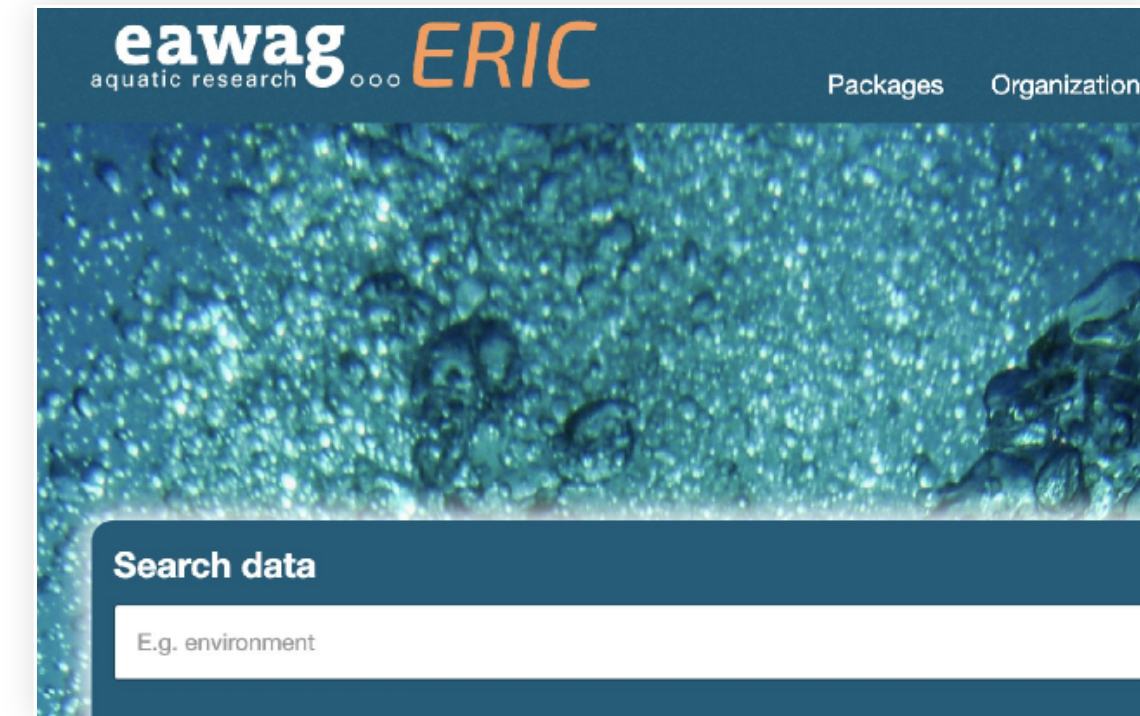
- Sampling, surveys
- Data transmission/transport
- Backup strategy, data safety
- Data security, encryption
- Legal issues, licensing, personal data, anonymization

- Comprehensive Knowledge Archive Network ([CKAN](#))
- Findable Accessible Interoperable Reusable ([FAIR](#))
- [SNF approved](#)
- Secure infrastructure
- [RDM docs](#)
- [FAQ](#) ([here](#))
- [Eawag](#) branding
- [Meta data](#) schema from [DataCite](#)
- All extensions on [GitHub](#) in the [eawag-rdm](#) organization

OPEN VS INTERNAL



- opendata.eawag.ch
- Openly accessible
- Strict checking
- Pure **read** data portal
- **Immutable** datasets



- data.eawag.ch
- Eawag internal
- Unchecked data
- **Read/write** platform
- **Mutable** datasets

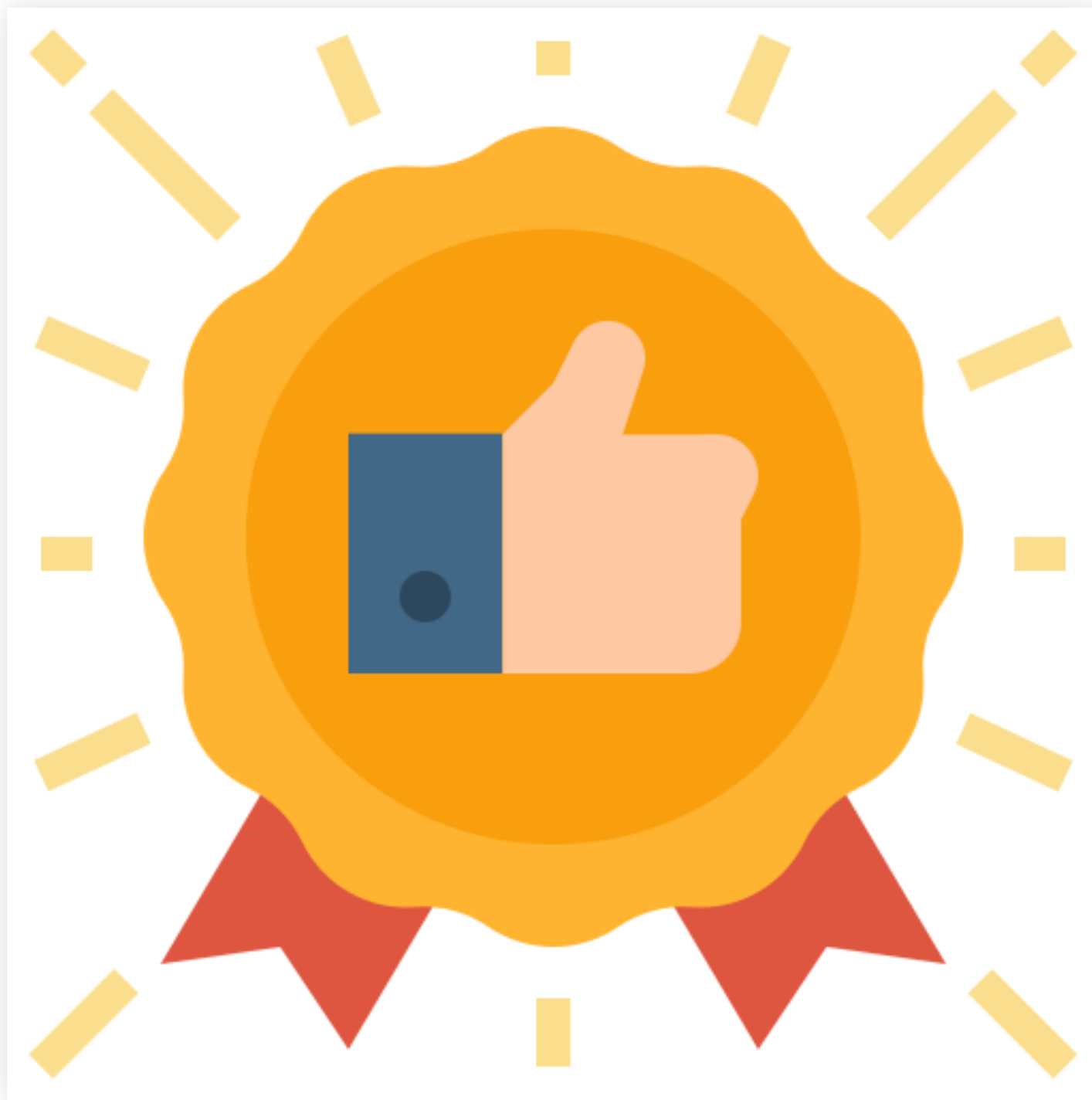


Image by [Flaticon.com](https://www.flaticon.com/); Artist: Monkik

Good practices throughout

- Keep your data **safe** and **clean** (**minimal guide**)
- **Version** your data (**Renku**, **Git LFS**)
- Use **version control** (**Git**, ...)

First time **ERIC** use

- Log in with your **Eawag** credentials
- Contact the **data manager** of your department to get **editor** privileges

Upload to **ERIC** internal

- Create a **package/group**
- Upload your **neat** and **organized** data
- Write **rdm@eawag.ch** (naming your package)

RDM initial feedback

- Reserved DOI for your publication
- Data publication (checklist)

Iterative package improvement

- Review of checklist
- Rigorous checks (data protection, checksums, data usage, basic code review, check links, ...)
- Feedback

We are aiming for an iteration of 1! ;-)

You **should**

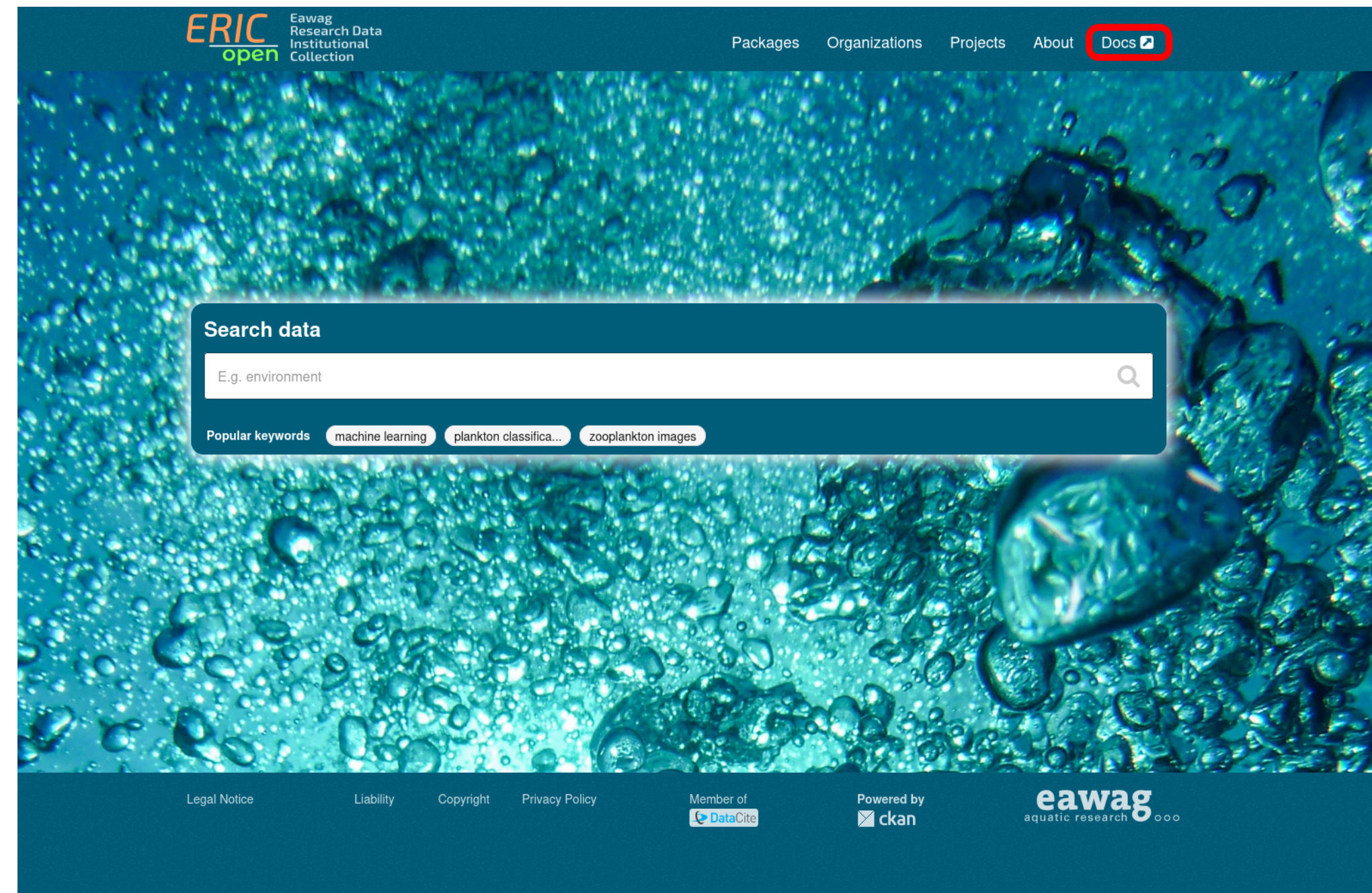
- Add your current **code**
- Add **links** to repositories, related packages
- Provide accurate and plentiful **meta data**

You **should not**

- Add your **paper** to the data package
- Incorporate **Eawag specific information** like paths on a network share
- Violate data protection **guidelines**

- Proceed with **Opendata.swiss** link
- Make **DOI** reservation accessible for scientists
- Add other **features** to ERIC internal

WHERE ARE THE DOCS



QUESTIONS?