

Swiss Institute of
Bioinformatics

Managing the life cycle of a portfolio of Open Data Resources

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www.sib.swiss

SIB in brief

80 groups

800 scientists

**21 partner
institutions**

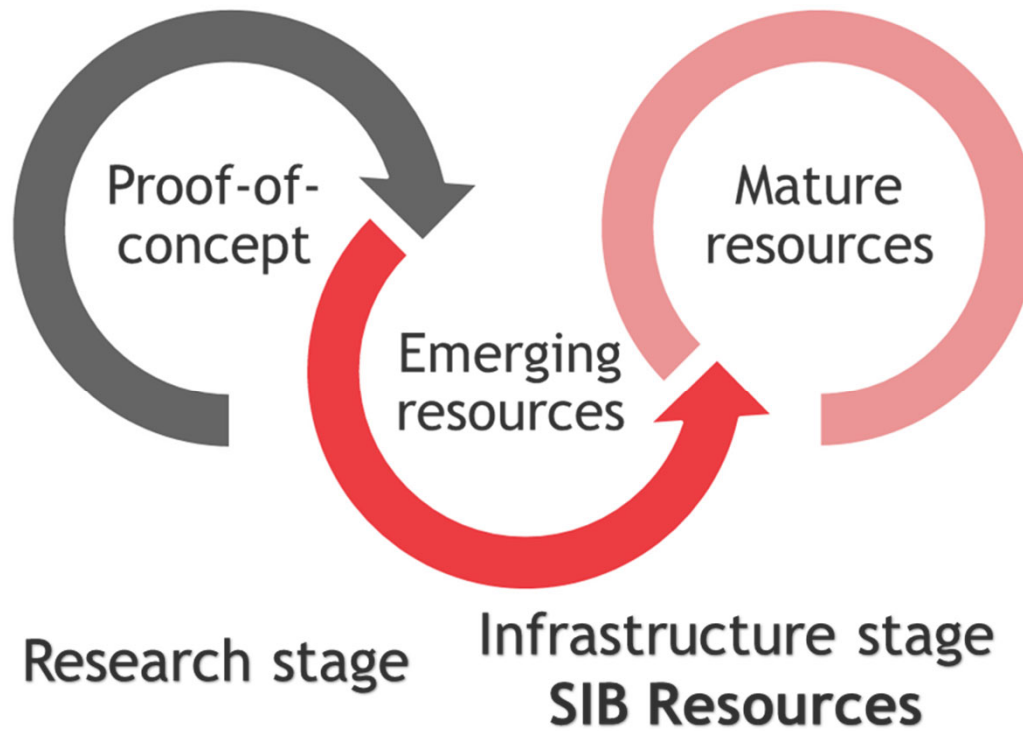
**95 bioinformaticians
per million
inhabitants**

Databases &
Software Tools

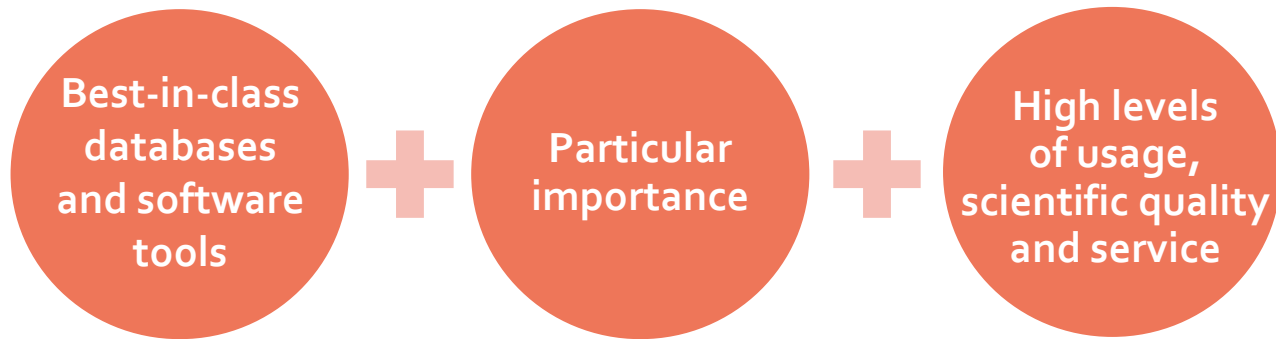


01 Infrastructure

The life cycle of a data resource



SIB Resources



Expasy

Swiss Bioinformatics Resource Portal

www.expasy.org

A few examples ...

UniProtKB/Swiss-Prot



Encyclopedia of
protein sequences
and
functional information

UniProtKB/Swiss-Prot



>570,000
expert curated
protein sequences



UniProtKB/Swiss-Prot



>950,000 users
per month

SWISS-MODEL

292,000 users
>1 million model requests
per year

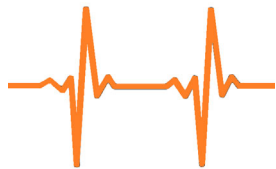
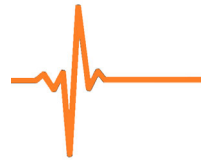
15 Years - 326 life science databases

62% ...

14% archived



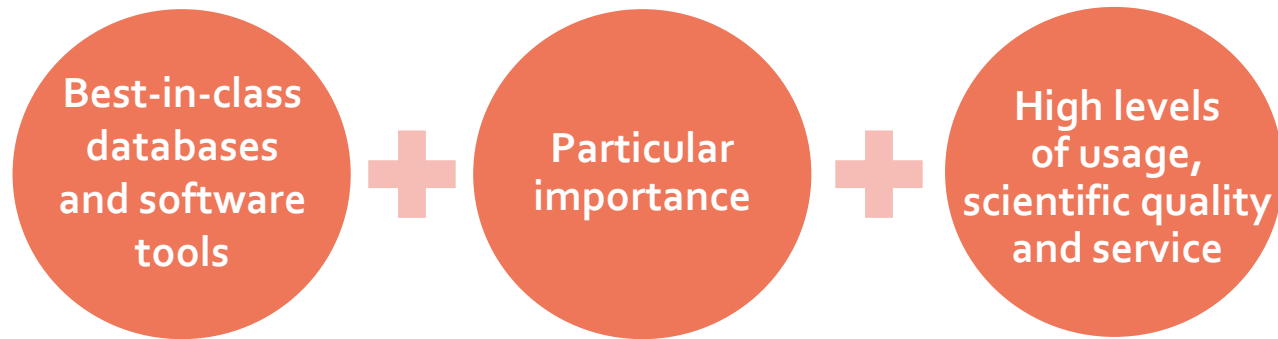
23% alive



SIB's Commitment

... ensuring the long-term existence of the SIB Resources in order to provide a stable environment for the development, enhancement and maintenance of these high-quality databases and software tools to support the life science community

Selecting best-in-class databases & software tools



Selecting best-in-class databases & software tools

SIB to support best-in-class resources



Recommendations to SIB Board of Directors



SIB Scientific Advisory Board



Independent review (for new SIB Resources)

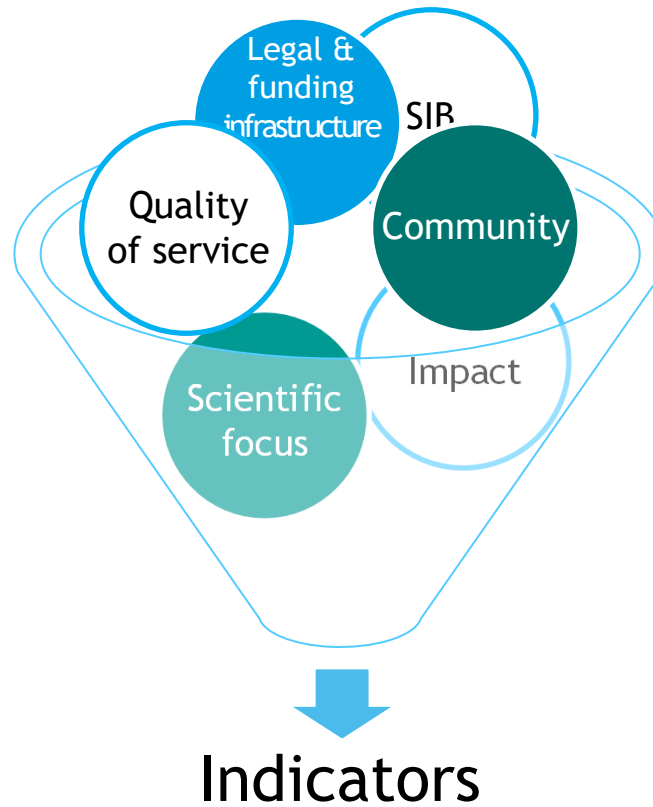
Selecting best-in-class databases & software tools

Three criteria to define a *best-in-class* resource:

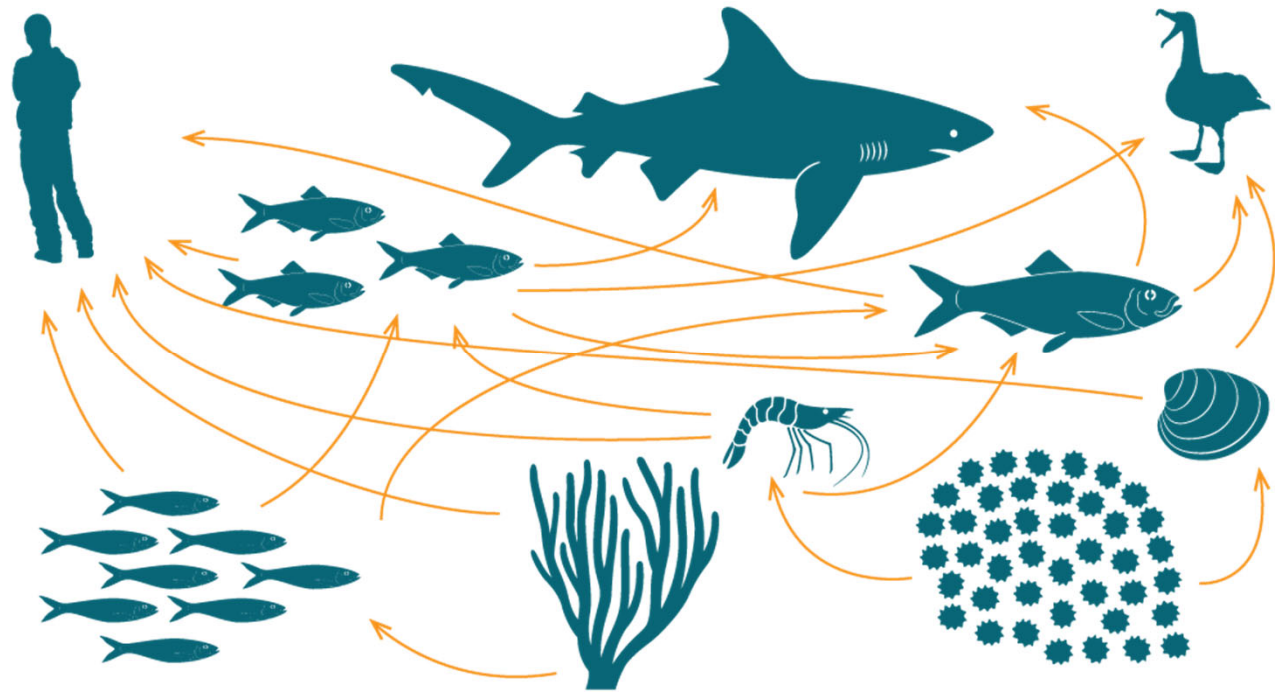
- **Scientific impact** = scientifically state-of-the-art, useful and used
- The (expected) **scientific return-on-investment** of (additional) funding
- **Alignment of SIB's portfolio of databases and software tools** with the Institute's core competencies and strategic focus, as well as innovation within the portfolio.

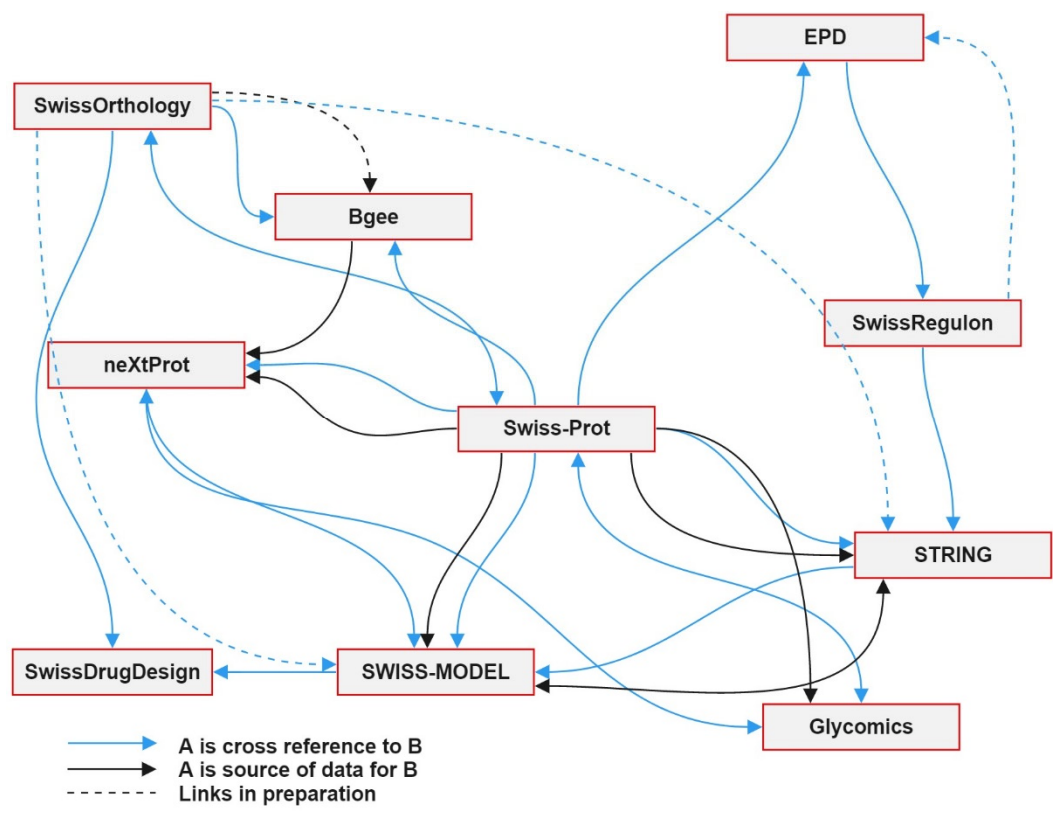


A carefully chosen set of indicators,
reflecting the multiple facets of data resources



Indicators

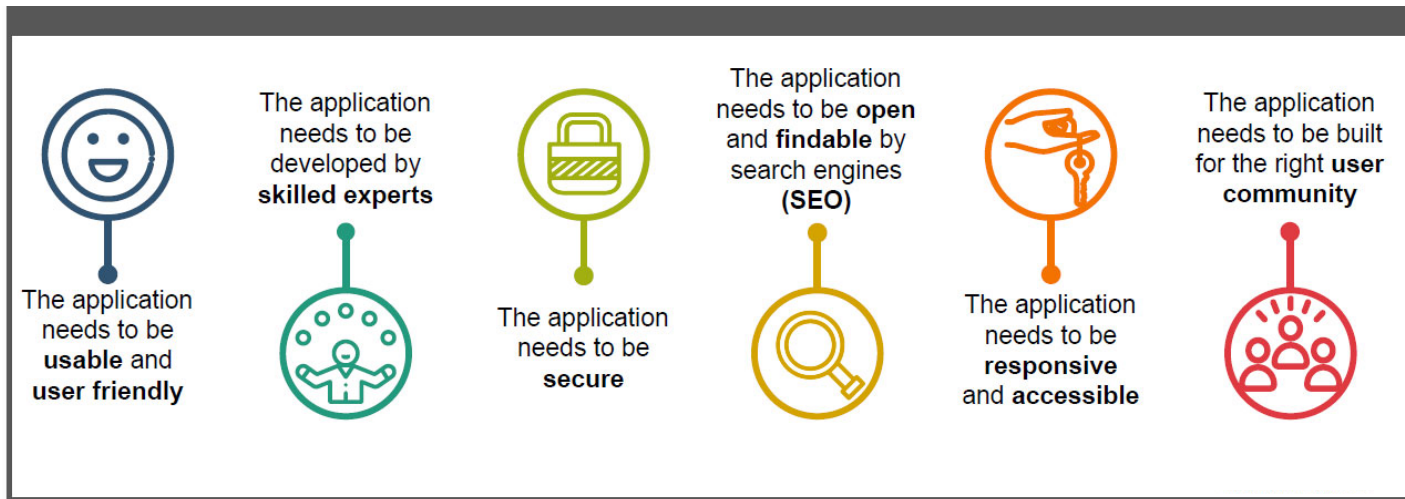




Professional infrastructure provision

developers' trainings
best-practices events

SEO studies
license advice




UX studies
wireframing
user training

security audits

hosting and
IT services

user tests



From Open Data to Open Knowledge
SIB - Swiss Institute of Bioinformatics • 507 views • 11 months ago

Discover SIB's vision on Open Data, one of the many facets of Open Science – the movement to make scientific research and its dissemination accessible to the society. Harmonizing licenses of datab...

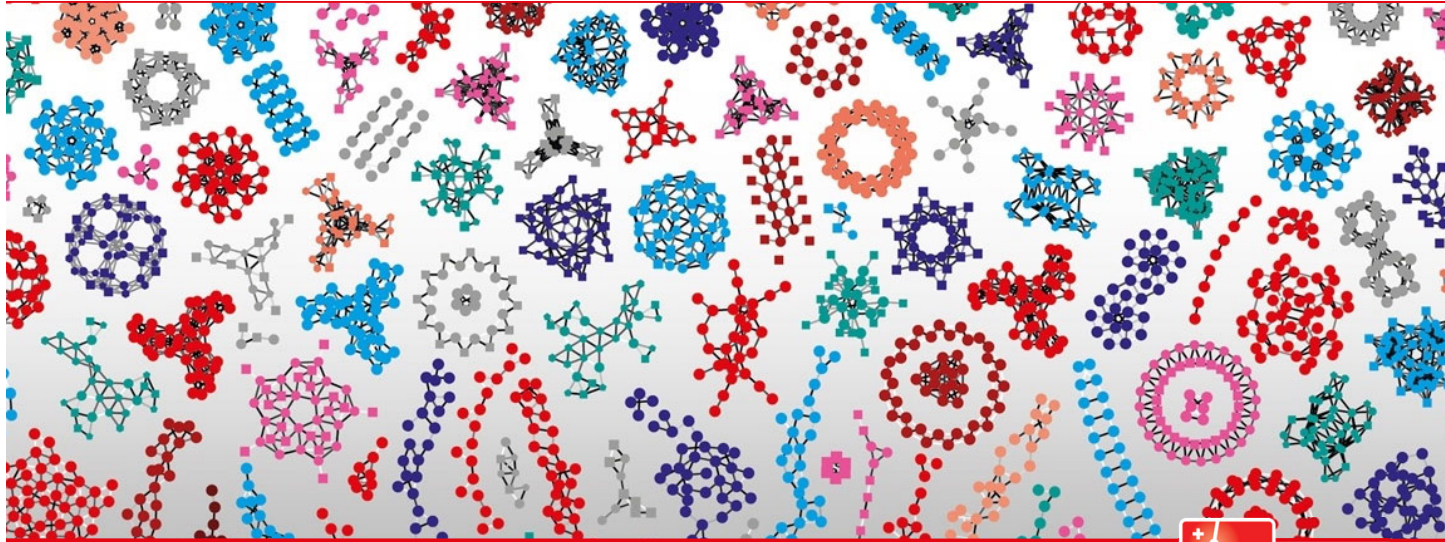
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1:36



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<https://www.sib.swiss/training>



Swiss Institute of
Bioinformatics

Thank you

Follow our activities:    