

ELIXIR Norway: Life Science Data Stewardship Support & Training

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ELIXIR Europe

'Data for Life'

Mission:

To operate a sustainable European infrastructure for biological information, supporting life-science research and its translation to society, the bio-industries, environment and medicine

ELIXIR Members

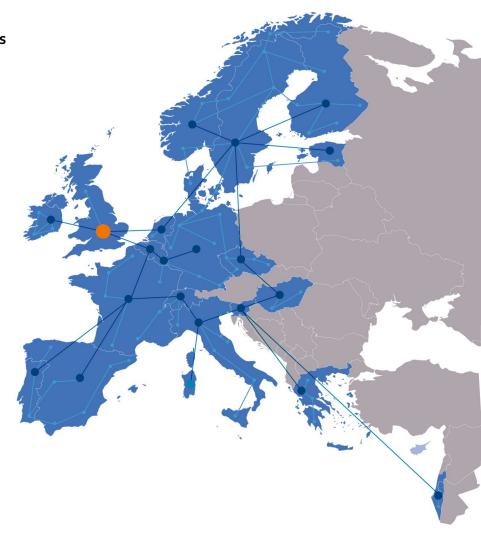








Cyprus



ELIXIR Services



Data deposition:

ENA, EGA, PDBe, EuropePMC, ...



Data management:

Genome annotation
Data management plans



Added value data:

UniProt, Ensembl, OrphaNet, ...



Data Interoperability:

FAIRSharing, identifiers.org, OLS, Bioschemas, ...



Compute:

Secure data transfer, cloud computing, AAI



Bioinformatics tools:

Bio.tools, Benchmarking: OpenEBench



Industry:

Innovation and SME programme Bespoke collaborations



Training:

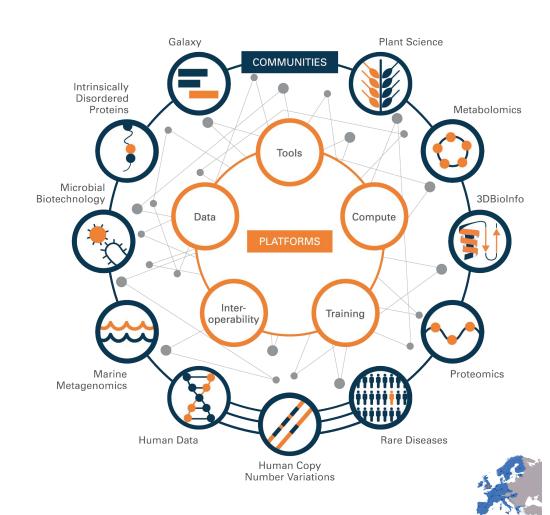
TeSS, Data Carpentry, eLearning



ELIXIR Structure

Five technical **Platforms** for **Compute, Data, Tools, Interoperability,** and **Training**

Complemented by Communities for specific use cases within e.g. human data, metabolomics, proteomics, marine metagenomics, microbial biotechnology, structural bioinformatics and others





A user-oriented guide to the FAIR RDM practices in life sciences



increase self-sufficiency



to know and utilise RDM services



build capacity and skills in every research institute



pool the expertise of the community for the community

To support the data needs of Europe's estimated 500,000 life scientists

https://rdmkit.elixir-europe.org





ELIXIR funding

Node funding:

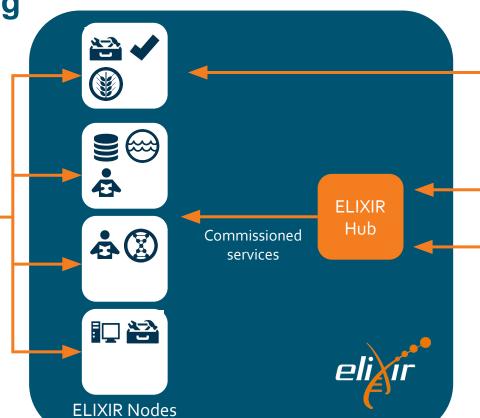
National roadmap funding

Competitive research grants

EU structural funds

Trusts and foundations

Industry collaboration



External funding: (EU projects: ELIXIR

represented by ELIXIR Hub or by an ELIXIR Node)

- Horizon 2020 grants
- IMI projects

Internal funding:

Annual contribution by member states



ELIXIR Structure

The Norwegian node of ELIXIR Europe

Currently funded by:

The Research Council of Norway

The involved institutions; UiB, UiO, NMBU, NTNU and UiT

Users

Services to national users

Infrastructure

Helpdesk & Training

Deliverables to ELIXIR Europe

Tools and databases



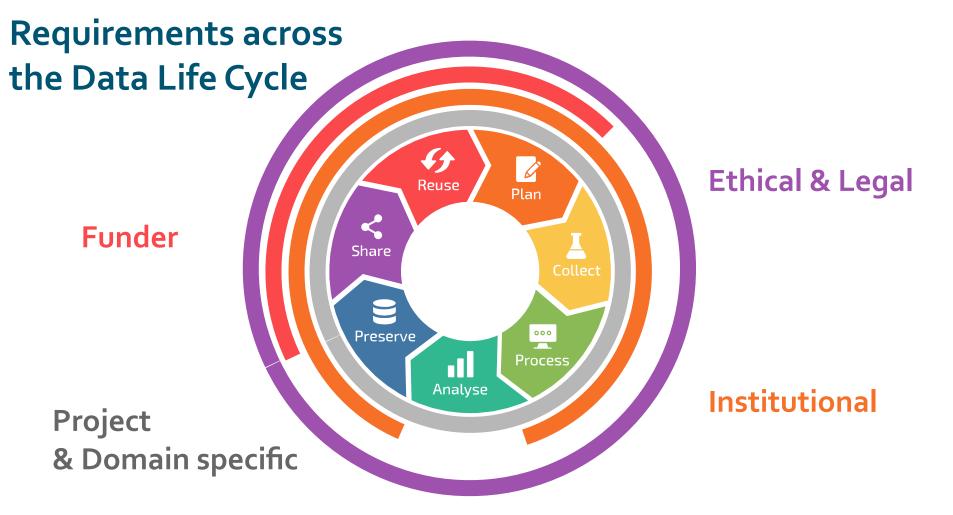






Research Data Management Infrastructure in ELIXIR Norway

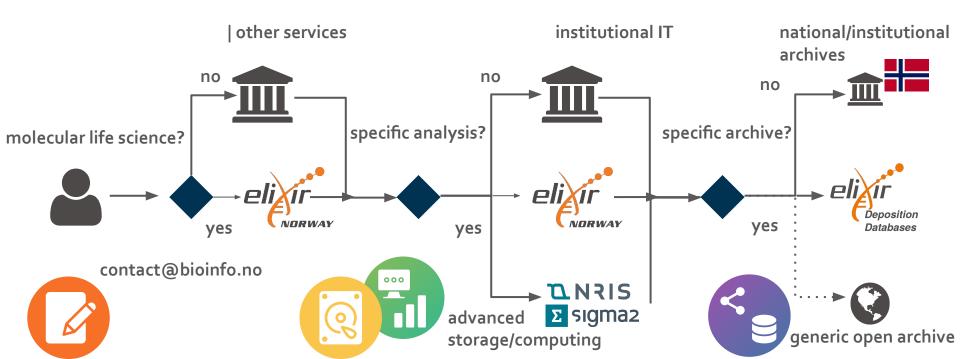




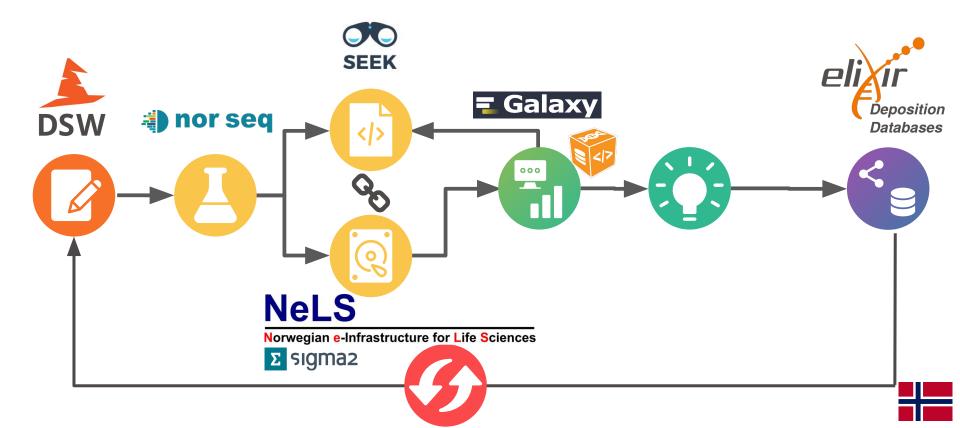
Interactions

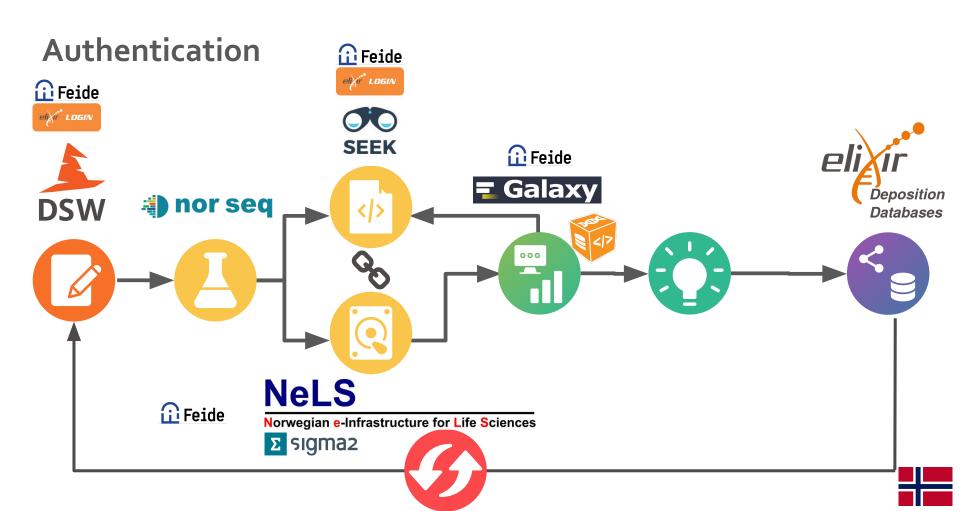
ELIXIR helpdesk: contact@bioinfo.no

Research Data teams

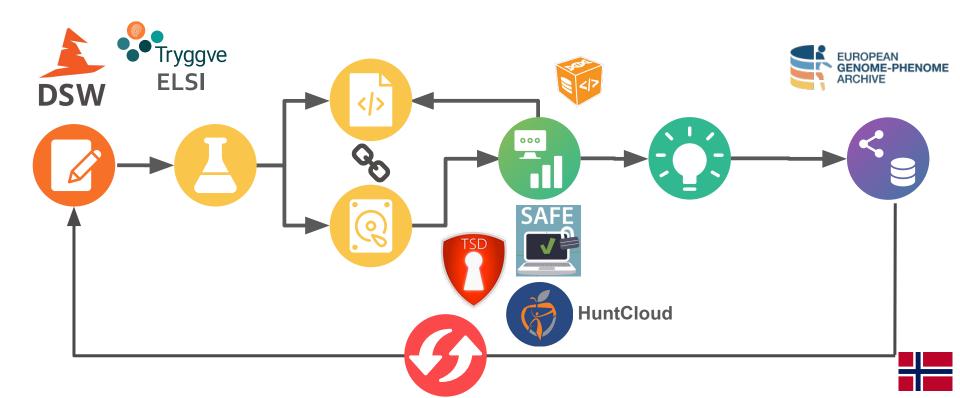


Norwegian RDM tool assembly





For sensitive data



NeLS and Data Analysis workshops

Frequent Workshops on

NeLS

Usegalaxy.no

Carpentries

Bioinformatics methods











Research Data Management Training in ELIXIR Norway

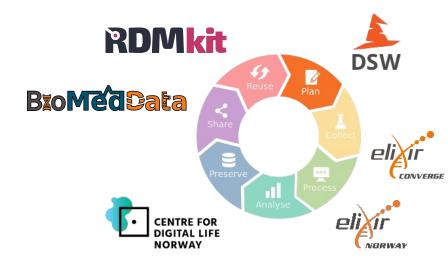


Data Management Planning Workshops

10 full-day workshops 370 attendees In collaboration with the institutions Hands-on planning in DSW

"Thanks for an informative workshop last week." - Professor at UiO

"Thank you for the course [...] the lectures were great!" - Postdoc at FHI



"Thank you for a good workshop! I think the session yesterday about filling out the DMP was very helpful [...]" - Researcher at UiB







NORwegian MOLecular IMaging infrastructure







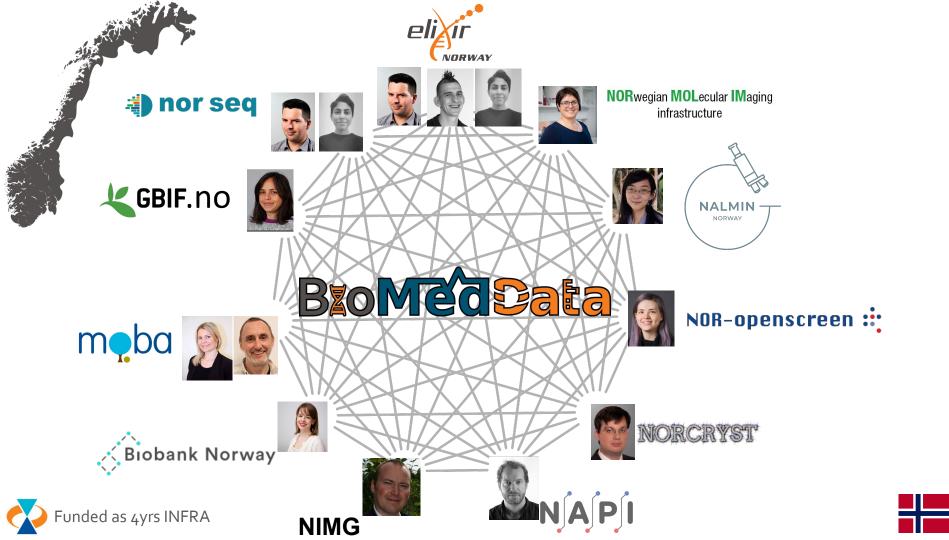


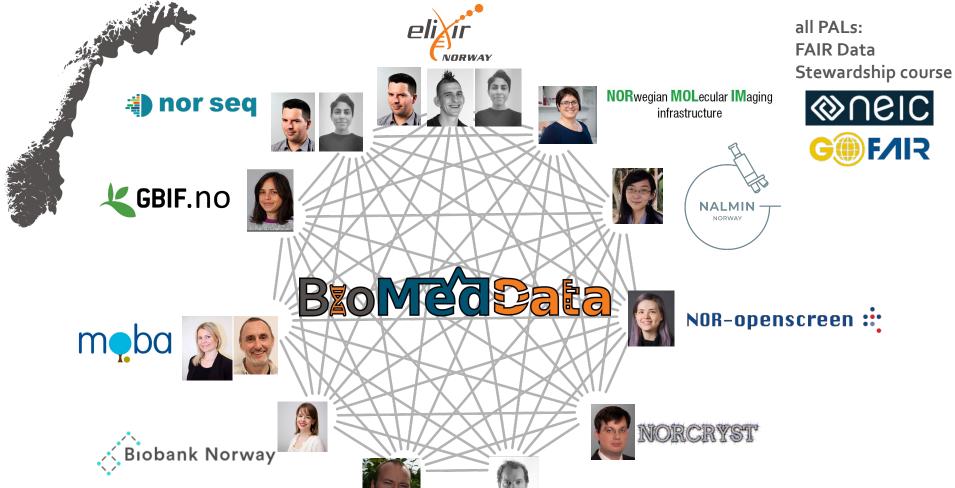












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NIMG





Future Activities

- Webinar on domain-based RDM best practices
 - DMP recommendations in Data Stewardship Wizard (DSW)
 - For all the life science sub-domains represented in BioMedData
- Advanced 3 day End-User Courses on RDM (2022 2024)
- Curriculum for training and certification for professional Data Stewards (Q3 2022)





ELIXIR Train-the-Trainer (TtT) on FAIR data



European ELIXIR initiative on capacity building in RDM Expected delivery: 2022

From ELIXIR Norway:





Scope

- Stimulate the wider adoption of the FAIR principles
- Train data professionals to facilitate local FAIR data training
- Develop an international FAIR Data Management training curriculum enabling trainers to use material that is well established and reviewed by the FAIR community

The course perfectly matches the capacity building ambitions of BioMedData











CONVERGE

Horizon 2020 Research Infrastructure Program



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The Research **Council of Norway**









UNIVERSITY OF BERGEN



UiO University of Oslo



Wit The Arctic University of Norway





Norwegian University of Life Sciences