



OA Week NO: Rise of the Data Stewards



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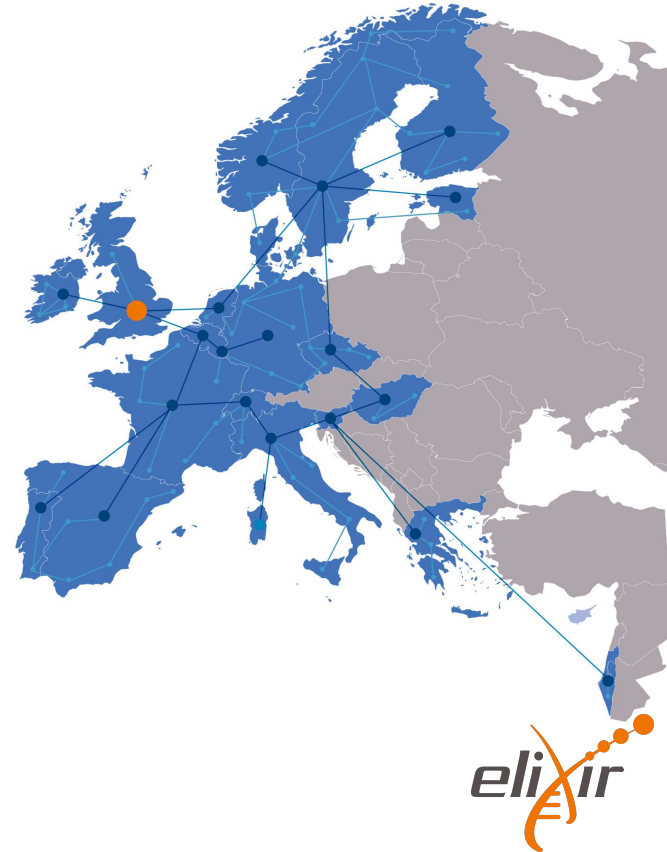
ELIXIR & ELIXIR Norway

ELIXIR is an intergovernmental organisation that brings together life science resources such as **databases, software tools, training materials, standards** and **compute resources**, from across Europe.

The goal of ELIXIR is to **coordinate life science resources from across Europe so they form a single infrastructure.**

This makes it easier for scientists to:

- Find and share data
- Exchange expertise
- Agree on best practices in scientific research



ELIXIR Services



Data deposition:

ENA, (F)EGA, PDBe, EuropePMC,
...



Data management:

DMP tool: DSW, RDMkit, genome
annotation, ..



Added value data:

UniProt, Ensembl, OrphaNet, ...



Data Interoperability:

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



Compute:

Secure data transfer, cloud computing, AAI



Bioinformatics tools:

Bio.tools, Benchmarking: OpenEBench



Industry:

Innovation and SME programme
Bespoke collaborations



Training:

TeSS, Carpentries, eLearning



SINCE FEBRUARY 2020

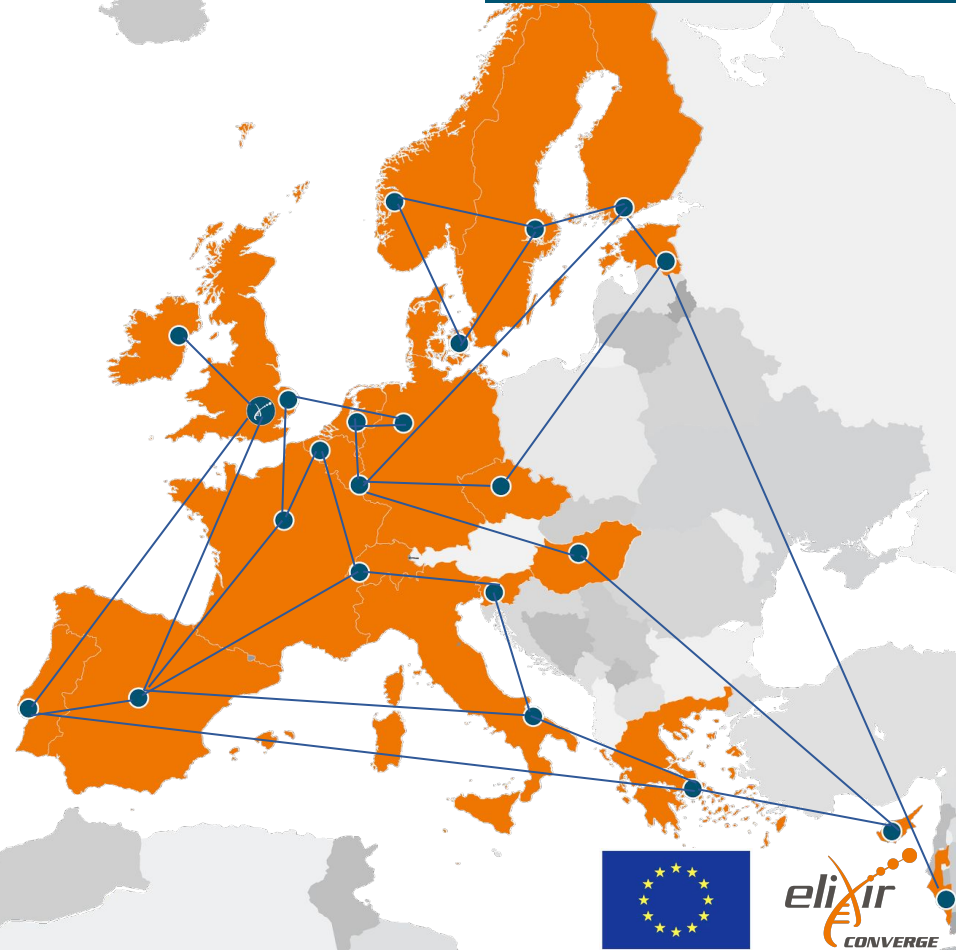
ELIXIR-CONVERGE

(INFRADEV-03-2019-2020)

Our plan

Connecting and aligning ELIXIR Nodes

- 23** Nodes
- 34** Organisations
- 3.5** Years funding
- 5** Million Euros + COVID-19 Uplift
- 20** PM per Node + ODC (travel & events)



ELIXIR Norway

Funded by:

The Research Council of Norway (2026)

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

Services to the users:

e-infrastructure, training and support, for analysis and management of life science data

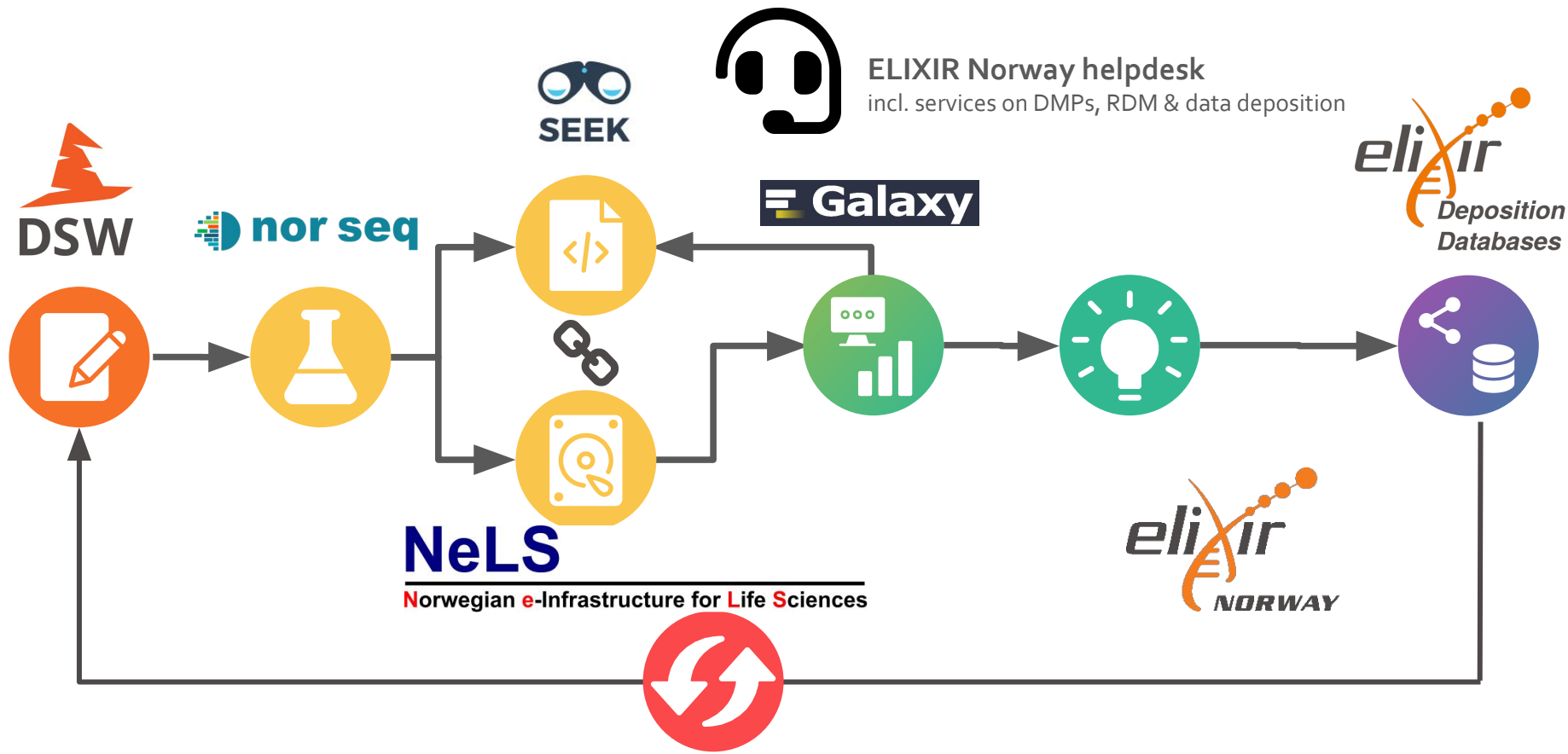
Deliverables towards ELIXIR Europe:

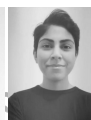
12 Norwegian data resources and analysis tools

Dedicated WP on RDM (11 persons)



Norwegian RDM tool assembly





NORwegian MOLecular IMaging infrastructure



Semantic Web & Linked Data technologies (most) central in training

No established career pathways at institutions



NORCRYST



NIMG



NORDIC E-INFRASTRUCTURE COLLABORATION



AGENT OF CHANGE

Aligning researcher's data handling and data policies

 National Forum for Research
 Data Management- Denmark



Four roles of a data steward

 ZonMw/ELIXIR project-
 The Netherlands



Three roles of a data steward

**Also for infrastructure/research data stewards:
Communication with stakeholders & decision makers essential**



Aligning data policies and features of data services and infrastructures

Aligning researcher's needs and required data infrastructure



DEVELOPER



INFRASTRUCTURE

Data Management Planning Workshops

13 full-day workshops

~460 attendees

In collaboration with the institutions

DMP core requirements

RDM lifecycle

Hands-on planning in DSW

**Domain knowledge on research process & project management
critical for DMP support**

RDMkit



BioMedData



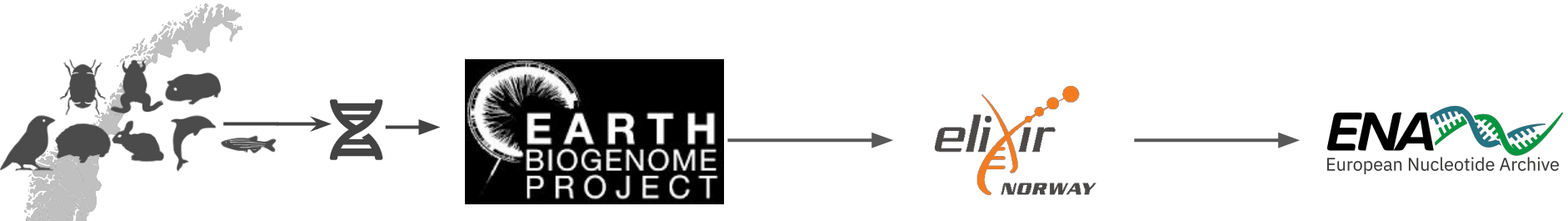
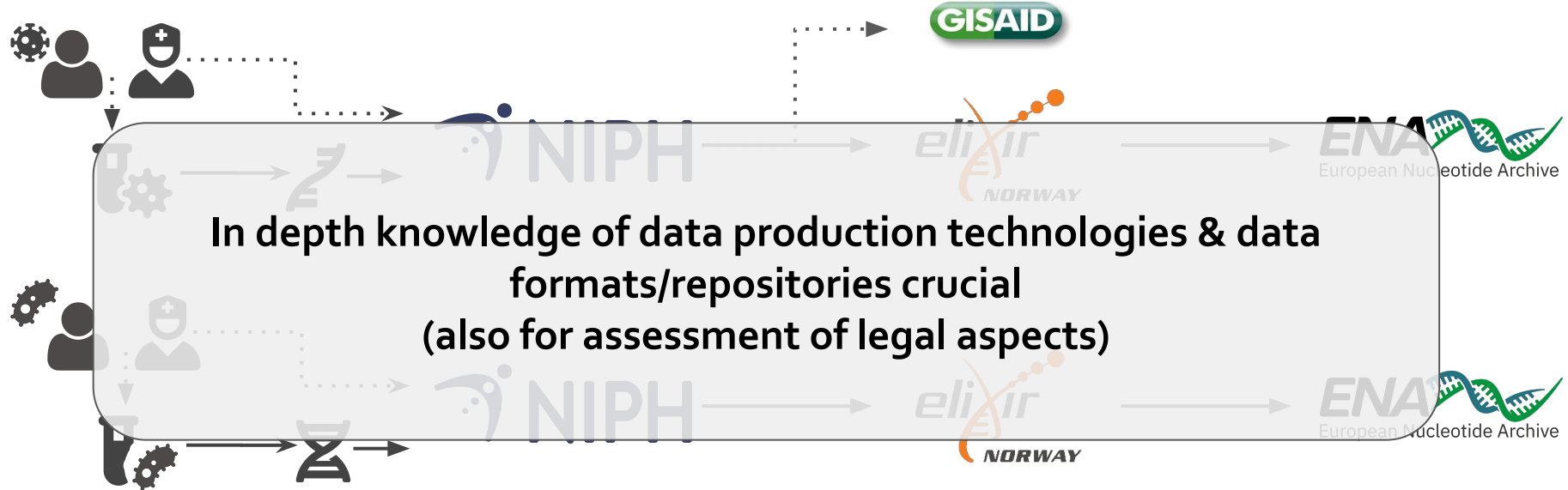
“Thanks for an informative workshop
last week.” - Professor at UiO

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

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



Large scale data brokering services



Plans BioMedData

D3.3 - Resources for training and certification of Data Stewards

Post-graduate certification for (Life Science) professionals

15 ECTS - 1 year ?

Domain specificity vs. generic conceptual approaches

Is the audience for such a Life Science specific program big enough?

Anchoring with institutions



Horizon 2020
Research Infrastructure
Program



Funded by
The Research
Council of Norway



UNIVERSITY OF BERGEN



UiO : University of Oslo



UiT The Arctic University of Norway



CENTRE FOR
DIGITAL LIFE
NORWAY



NTNU

Norwegian University of
Science and Technology



Norwegian University
of Life Sciences