ELIXIR Training Platform
Empowering life science researchers to connect to EOSC

Jessica Lindvall, Fotis Psomopoulos, Eva Alloza, Celia van Gelder
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www.elixir-europe.org
ELIXIR - data for life

ELIXIR is an pan-European research infrastructure (ESFRI) that brings together life science resources such as

- databases
- software tools
- training materials
- data standards
- compute resources
- people infrastructure

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

ELIXIR in numbers

- 22 Members and 1 Observers
- ~ 180 institutes involved
- 700+ staff
ELIXIR Structure

ELIXIR coordinates activities through at least one of the five ‘areas of activity’ called **Platforms**:

- Compute
- Data
- Interoperability
- Tools
- Training

These Platforms are driven by eleven **ELIXIR Communities** which develop standards, services, and training within their life science domains.
ELIXIR connection to EOSC

Task Forces, EOSC projects, ...
ELIXIR’s Training Platform:
Professional skills for managing and exploiting data

- Establish **sustainable training infrastructure** supported and adopted by all ELIXIR Nodes
- Deliver a coherent, high-quality and impactful **ELIXIR training program**
- **Building on and complementing** training programmes in the 23 ELIXIR Nodes
ELIXIR Training anno 2022 – Key Infrastructure elements

• **ELIXIR-badged Training events** – for researchers, developers, infrastructure operators & trainers

• **Train-the-Trainer** – Programme consolidated and available for use; ELIXIR Trainer Pool and train-the-trainer Pool steadily growing.

• **ELIXIR Training portal TeSS** – Recognized in- and outside ELIXIR as a solid approach to catalogue and share training events and materials

• **ELIXIR Training Handbook** - Training best practices, guidelines for trainers

• **Training Metrics Database (TMD)** - standardized metrics for quality & impact assessment

• **e-learning solutions** - in TeSS and in ELIXIR-SI EeLP
ELIXIR Training Platform is setting out to become an EOSC Training Provider for the life science domain

- 2020: Participation in **EOSC Working Groups skills & training Report Digital skills for FAIR and open science**

- 2021: The **ELIXIR/NPOS work on data stewardship competencies mentioned explicitly as a use case in the EOSC Strategic Research and Innovation Agenda (SRIA)**

- 2022:
  - Co-chair and/or task lead in the **3 Skills & Training related Task Forces** of the Advisory Group “Research careers and curricula” of the EOSC Association
  - ELIXIR TeSS (Training registry) will be a pilot for the EOSC Training Catalogue
TrP Impact - Making training materials FAIR

- ELIXIR FAIR Training Focus Group
- Now working with the training community (inside & outside ELIXIR) on a lesson/handbook how to make training materials FAIR (Biohackathon 2021, 2022)
TrP Impact - Data stewardship/Data Management competences, skills & training

**ELIXIR-CONVERGE WP2 (21 Nodes)**
- Design, build and deliver DM/DS courses, for data stewards, researchers, trainers and tool developers
- Build expertise and training expertise in DM/DS in the Nodes
- In alignment with national DM/DS strategies

**NPOS/ELIXIR Data Stewardship Competency Framework**
- Three data steward roles: Policy, Research, Infrastructure

**RDMkit**
- Data Stewardship Roles implemented in the Your Role pages in the RDMkit
- Links to TeSS resources
Care - Share - Scale - Embed - Sustain

Acknowledgements

- ELIXIR Training Platform Members
  https://elixir-europe.org/platforms/training
- ELIXIR Training Coordinators Group (TrCG)
  https://elixir-europe.org/platforms/training/how-organised
- ELIXIR FAIR Training Focus Group
  https://elixir-europe.org/focus-groups/fair-training
- Current and Previous ELIXIR Training Executive Committee
- term4FAIRskills team https://terms4fairskills.github.io/
- NPOSF team
- CONVERGE WP2 members
  https://elixir-europe.org/about-us/how-funded/eu-projects/converge/wp2
Thank you!

jessica.lindvall@nbis.se
References

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- ELIXIR Training Portal TeSS: https://tess.elixir-europe.org/
- ELIXIR Training Metrics Database: https://training-metrics-dev.elixir-europe.org/
- Course design: Considerations for trainers – a Professional Guide (ELIXIR-GOBLET)
- A framework to assess the quality and impact of bioinformatics training across ELIXIR https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1007976
- ELIXIR-SI EeLP https://elixir.mf.uni-lj.si/
- RDMkit https://rdmkit.elixir-europe.org/
- CONVERGE https://elixir-europe.org/about-us/how-funded/eu-projects/converge
- Advisory Group “Research careers and curricula” of the EOSC Association: https://www.eosc.eu/research-careers-curricula
- Towards FAIR data steward as profession for the life sciences” https://doi.org/10.5281/zenodo.3471707
- NPOS/ELIXIR Data Stewardship Competency Framework in EBI Knowledge Hub: https://competency.ebi.ac.uk/framework/datasteward/1.0
- Digital Research Skills Australasia (dress.org.au)
- Training portal for the photon & neutron community: https://pan-training.hzdr.de/
- Training Catalogue of EGI - https://catalogue.hopto.org/