ELIXIR-UK

National Node of the European Research Infrastructure for Life Science Data

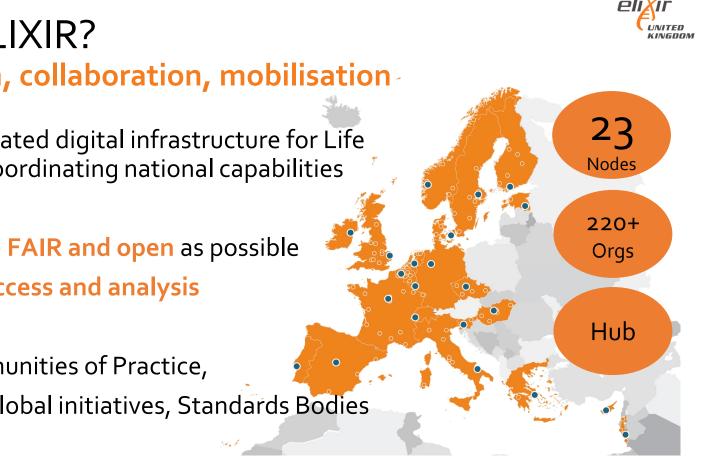
Joint Head of Nodes: Carole Goble, The University of Manchester

Neil Hall, Earlham Institute



Accessing biomedical data for data analysis, SME forum 6 July 2022, The University of Manchester, UK

www.elixir-europe.org



What is ELIXIR? **Coordination, collaboration, mobilisation**

Towards a federated digital infrastructure for Life Science Data, coordinating national capabilities

Data & software FAIR and open as possible Transnational access and analysis

Gateway Communities of Practice,

European and Global initiatives, Standards Bodies



What is ELIXIR? Coordination, collaboration, mobilisation

National viewpoint

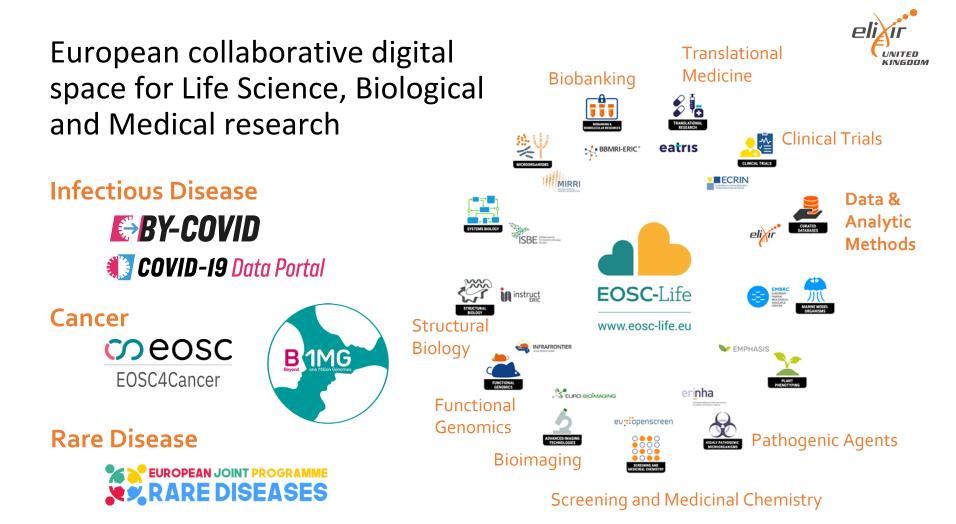
National capability & capacity building

Towards a **federated digital infrastructure** for Life Science Data, coordinating national capabilities

Data & software FAIR and open as possible Transnational access and analysis







ELIXIR services: capability, capacity, activism

Trusted Data Resources



Stewarded and sustained national and community data resources



Registries, ontologies, data management platforms, stewardship tools, standards for metadata and data harmonization & exchange



Tools, software, workflows, compute infrastructure, AI best practice Reproducibility



Networks of expertise, Capacity building, RDM & software best practice

Public dataset access, tools





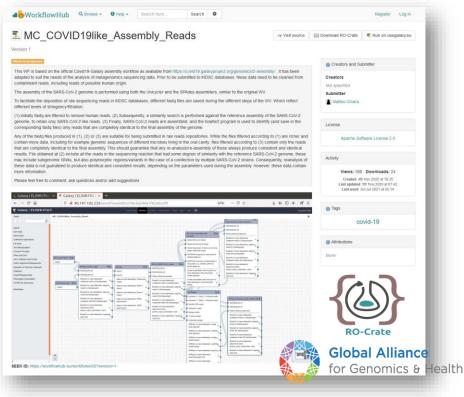
130+ Data Resources**250+** Tools

UK: 28 services

https://elixiruknode.org/services/catalogue/

https://elixir-europe.org/services/list

Data analytics, platforms, registries



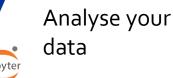
Find workflows from 12+ different platforms



OPENEBENCH

Find tools, software, workflows and data resources

UNITED KINGDOM



Benchmark and monitor software



Capacity Building

Find training courses, materials?



RDM stewardship advice?



https://rdmkit.elixir-europe.org/

UK Data Stewardship skills?

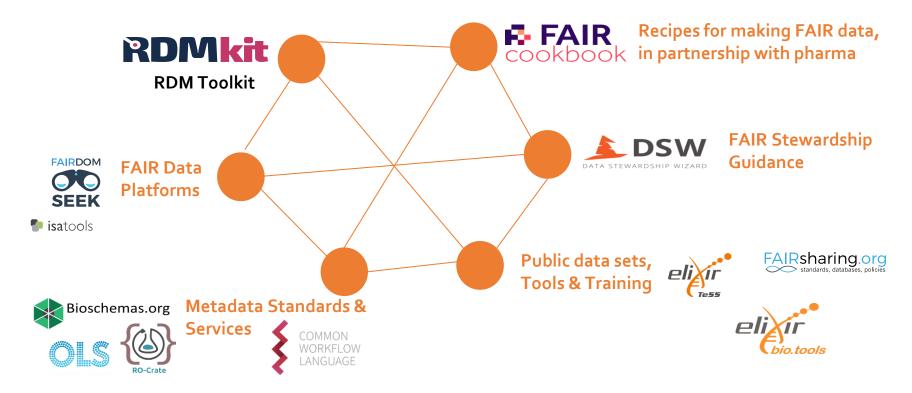


FAIR Data Stewards Training Fellowship

https://elixiruknode.org/activities/elixir-dash-fellowship/

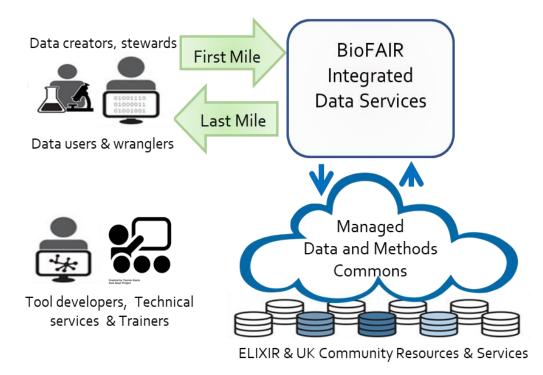
Joining the dots of FAIR Data Management







BioFAIR Data and Method Commons



A UK FAIR Data National Infrastructure

https://www.ukri.org/what-we-offer/creating-world-class-research-and-innovation-infrastructure/funded-infrastructure-projects/



UK collaborative digital space for Life Science, Biological and Medical research



The Alan Turing Institute









UK Life Science Informatics Forum









initiative

https://elixir-europe.org/industry



https://elixir-europe.org/events/elixir-bioinformatics-industryforum-enabling-ecosystems-machine-learning-life-sciences



https://biohackathon-europe.org/

UK Conference of Bioinformatics and Computational Biology (UK-CBCB)

How to manage biological data and use computational methods to power life science research

27-29 Sept 2022

https://www.earlham.ac.uk/uk-cbcb-2022



https://elixiruknode.org/ https://elixir-europe.org/