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ELIXIR-CONVERGE: Connect and align ELIXIR Nodes to deliver sustainable FAIR life-science data management services

Description

The diversity, complexity and volume, as well as privacy and regulatory considerations, necessitate a collaborative and federated approach to life-science data. For scientists to find and share data across Europe and world-wide, ELIXIR needs to continuously develop and connect its services. The international ecosystem provided by ELIXIR with 220 institutes in 23 Nodes, connecting hundreds of bioinformatics services is globally unique and a competitive advantage for European research. Through our national Nodes ELIXIR has the geographical spread, service portfolio and expertise to fulfil our ambition that every European project uses FAIR data based on common standards, tools and services.

The initial operational phase of ELIXIR, supported by the H2020 ELIXIR-EXCELERATE project, focussed on the coordination and delivery of bioinformatics services from national Nodes. This lay the foundation for a coordinated European infrastructure. ELIXIR-CONVERGE will build on these achievements to deliver another critical component: the provisioning, across Europe, of distributed local support for data management based on a toolkit for researchers that enables lifecycle management for their research data according to international standards.ELIXIR-CONVERGE will develop the national operations of such a distributed research infrastructure to drive good data management, producibility and reuse in a heterogeneous funding landscape. Over 36 months and with partners from our 23 Nodes, ELIXIR-CONVERGE takes the next step to realise a European data federation where interconnected national operations, strategically managed via national research infrastructure roadmaps, allow users to extract knowledge from life science s large, diverse and distributed datasets. By connecting ELIXIR Nodes to provide FAIR data management as a service, ELIXIR-CONVERGE will build national capacity and create a blueprint for operating sustainable Nodes in distributed research infrastructures.

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