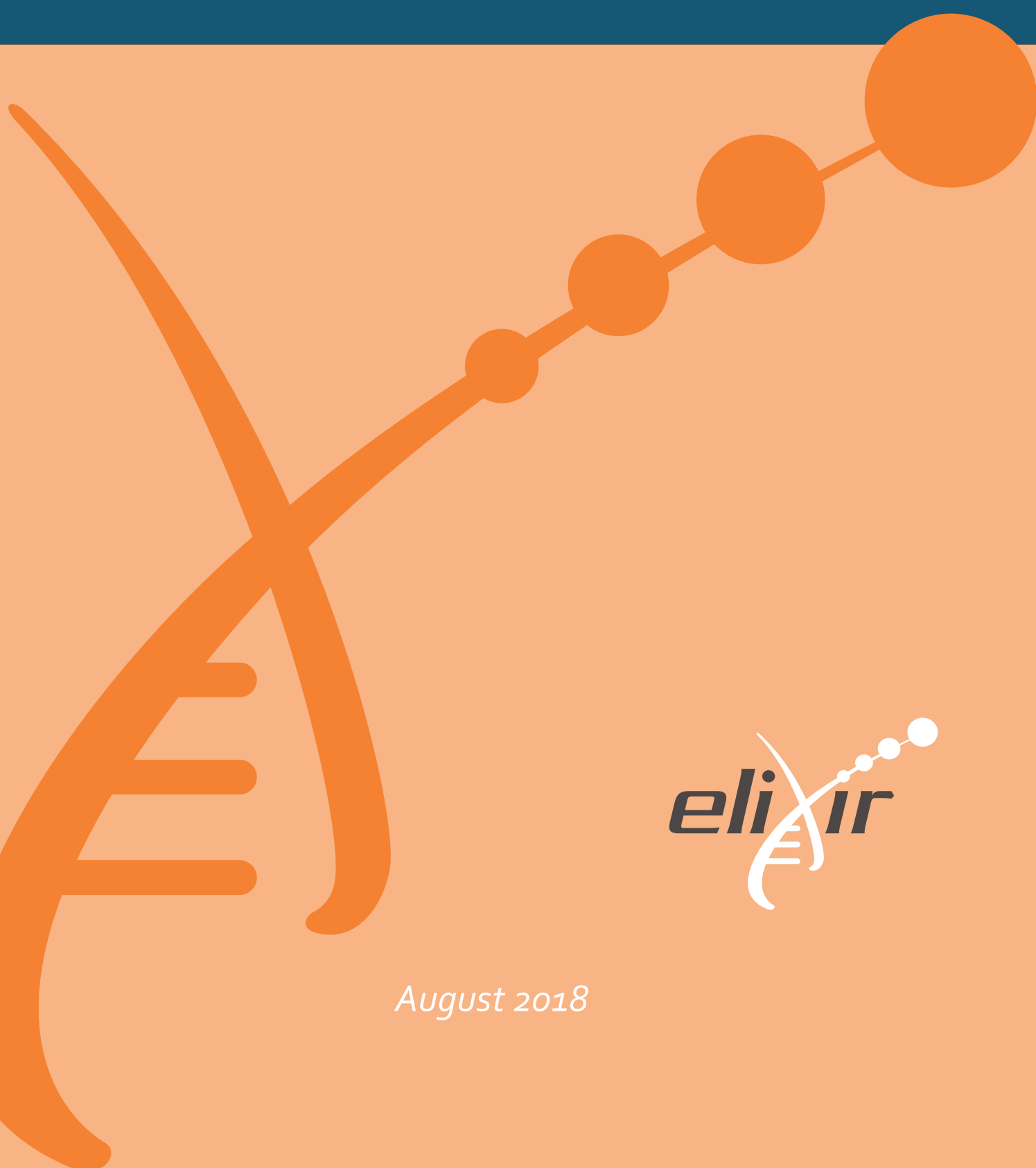


ELIXIR

Handbook of Operations



August 2018

ELIXIR Handbook of Operations

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1. Purpose

The ELIXIR Handbook of Operations is the main source of information on ELIXIR procedures, recommendations and guidelines. A new version is released annually as part of the EXCELERATE project. The handbook is aimed for the whole ELIXIR community, including all staff in ELIXIR Nodes, ELIXIR Hub staff, ELIXIR Board members and national funders.

The handbook is available on the ELIXIR Intranet and as the material evolves, it will be deeply integrated with the ELIXIR website and intranet.

2. Governance and groups

This section provides information on the ELIXIR Governance structure and the legal framework under which we operate. It provides a description of the roles of the Governance bodies and responsibilities of ELIXIR's operational groups (including terms and Rules of Procedure of the groups). The section also describes ELIXIR-wide Policies, as approved by the ELIXIR Board.

ELIXIR Consortium Agreement

[ELIXIR Consortium Agreement](#) (ECA) is the legal basis for ELIXIR. It establishes an organisational structure and defines the relationship between the ELIXIR Hub and the ELIXIR Nodes, specifies the EMBL's role as host of ELIXIR and sets out the ELIXIR Members' rights and obligations.

A [FAQ on the legal framework of ELIXIR](#) provides answers and explanations to the frequently asked questions about the legal framework of ELIXIR.

[Up-to-date information on ELIXIR Member States](#) is available on the ELIXIR website.

ELIXIR Collaboration Agreement

The [ELIXIR Collaboration Agreement](#) is the legal document that ties together the ELIXIR Hub with the national Node. It defines the institutes that are members of the national Node, who are partners in ELIXIR.

Policies

Via the Collaboration Agreement, the ELIXIR Nodes have to follow ELIXIR Policies approved by the ELIXIR Board.

[Categories and approval levels of ELIXIR-wide policies and guidelines](#)

ELSI POLICY

EP1 - ELIXIR [ELSI Policy](#)

Governance structure

The [ELIXIR Governance structure](#) is defined in the ELIXIR Consortium Agreement.

The [ELIXIR Board](#) appoints and dismisses the [ELIXIR Director](#), who is responsible for executing Board decisions. The ELIXIR Board also appoints the members of the [ELIXIR Scientific Advisory](#)

[Board \(SAB\)](#), which advises the ELIXIR Board and the ELIXIR Director in scientific and ELSI matters. Furthermore, the [Heads of Nodes Committee](#), comprising representatives of the ELIXIR Nodes and EMBL-EBI, gives advice to the ELIXIR Board and Director in relation to ELIXIR activities.

In addition to these committees, the ELIXIR Board may establish additional advisory bodies and form working groups where this is necessary for the proper functioning and achievement of ELIXIR's goals, e.g. an [Industry Advisory Committee](#).

Principles of meeting procedures for ELIXIR groups

Each permanent group of ELIXIR has agreed on their principles for meeting procedures. The links to these documents are provided below.

Group	Terms of Reference	Rules of Procedure
Board	Defined in the ECA	Pdf
Heads of Nodes Committee	Defined in the ECA	Pdf
Scientific Advisory Board (SAB)	Pdf (Approved by ELIXIR Board)	Pdf
Industry Advisory Committee (IAC)	Pdf (Approved by ELIXIR Board)	Pdf

Operational structure and responsibilities

The [operational structure](#) of ELIXIR consists of service Platforms and scientific Use Cases.

ELIXIR has five operational platforms: Data, Tools, Compute, Interoperability and Training. Each platform is led by a leadership team - the Executive Committee (ExCo) - agreed upon by the Heads of Nodes Committee. The Platform membership consists of task leads, technical contributors, and a Platform Coordinator based at the ELIXIR Hub. Each Platform Coordinator provides support to the Platform leaders and ensures that the Platform's activities are aligned to its goals defined by the Platform roadmap.

ELIXIR currently has four scientific Use Cases funded through the ELIXIR-EXCELERATE project: Marine Metagenomics, Plants, Rare Disease and Human Data. In addition, three new Communities were selected in 2017: Proteomics, Metabolomics and Galaxy.

Node Coordinator groups

The [Technical Coordinators Group \(TeCG\)](#) is a group comprising technical ELIXIR Node representatives. It identifies gaps and promotes connections among Nodes and platforms. It is the responsibility of the TeCG to explore technical opportunities and issues aiming to provide advice and recommendations. The TeCG is connected with platforms through Node technical representatives actively involved in the implementation of platforms.

The [Training Coordinators Group \(TrCG\)](#) is composed of training representatives of each of the ELIXIR Nodes. TrCG meets regularly to share information, expertise and to coordinate and lead the implementation of the ELIXIR training strategy across Europe.

The [Coordinators guidelines](#) provide further detail on the role and remit of these groups. The [performance indicators for permanent working groups](#) have also been defined.

ELIXIR Hub

The [ELIXIR Hub](#) coordinates the infrastructure and accommodates executive management and administrative staff.

Equal Opportunities Strategy

The [ELIXIR Equal opportunities Strategy](#) covers recommendations on equal opportunities for the ELIXIR Hub and Nodes, and also ELIXIR's advisory and governance committees, trainers, events, tools and services and ELIXIR Communities.

GDPR

The EU General Data Protection Regulation (GDPR) sets out the requirements across the EU for the legal basis by which personal data may be processed. The ELIXIR Hub has undertaken a number of measures to mitigate the risk posed by GDPR. For instance, we have enhanced knowledge-exchange within ELIXIR by holding webinars and workshops. We've also implemented a number of initiatives that the ELIXIR Hub is compliant with the regulation.

3. Nodes and Service provision

ELIXIR Nodes contribute the resources and services that are part of ELIXIR. These include: data resources; bio-compute centres; tools; services for the integration of data, software, tools and resources; training; and standards expertise. The integration of these Nodes across Europe is supported by the ELIXIR Hub.

This chapter contains reference material useful for ELIXIR Nodes, including templates for Node application and Node review, the scope and terms of ELIXIR Services and instructions for preparing Service Delivery Plans.

Establishing a Node

[Guidelines how countries join ELIXIR and establish a Node](#) are available. This requires both the government of the country and the scientific community to work together.

Node Membership

The Collaboration Agreement established between the Hub and the Node defines the institutes that are members of the national Node who are partners in ELIXIR.

Node review

Once established, ELIXIR Nodes are regularly reviewed by the ELIXIR Scientific Advisory Board. Each year, three to five Nodes are invited to submit their update via the Node review form and attend the annual SAB meeting to present an update from their Node. After the meeting, the SAB submits a review of the Node to the ELIXIR Board. [Guidelines for ELIXIR Node review](#) have been approved by the ELIXIR Board and provide further information on the review process and also include forms to be used by the Node and the SAB in the review process.

The scope and terms of ELIXIR Services

To clarify what the word “Service” means in the ELIXIR context, a [definition of terms and scope of ELIXIR Services](#) is provided. The document also defines the role of the ELIXIR Node with regards to ELIXIR Services and discusses the benefits and responsibilities that come with the “ELIXIR Service” label.

Service Delivery Plans

Each Node, with support from the ELIXIR Hub, will prepare a Service Delivery Plan that outlines those services that the ELIXIR Node puts forward to ELIXIR and which are funded by the Node (Node-funded Services). The Service Delivery Plan is an annex to the [Collaboration Agreement](#) concluded between the ELIXIR Hub and the Node and is approved by the ELIXIR Board.

[Guidelines for the development of Service Delivery Plans](#) are available and the Hub will work together with each Node to prepare the Service Delivery Plan.

Annual Collaboration Oversight Process

The ELIXIR Collaboration Agreement concluded between the Hub and a Node establishes an oversight group: the Collaboration Agreement Oversight Group (COG). The COG is formed by the ELIXIR Director, the Head of Node and others appointed by them to regularly review aspects of the Agreement. An online COG Form is intended to be a lightweight mechanism to capture an overview of the Node and identify any issues that might need to be discussed.

ELSI Policy

EP1 - ELIXIR [ELSI Policy](#)

Approved by the Board in November 2016.

Related documents:

- [ELSI Policy Background Document](#)

Letters of support from the Hub

The Hub is happy to provide Letters of Support to ELIXIR Nodes according to our [principles for providing Letters of Support to ELIXIR Nodes](#).

Process for selecting Node participation in ELIXIR’s External Grant applications

The ELIXIR HoN have agreed an approach to be followed for [the selection of ELIXIR Node partners when applying for external grants](#) including Horizon 2020 and the Innovative Medicines Initiative (IMI).

4. Recommendation procedures

This section covers the recommended resources that ELIXIR, as an infrastructure, has reviewed and selected as resources of specific purpose.

Core Data Resources

The ELIXIR Core Data Resources are defined as a set of European data resources that are of fundamental importance to the broad life science community and the long-term preservation of biological data. The process for selecting ELIXIR Core Data Resources has been developed by the Data Platform and was published on ELIXIR's F1000Research channel (Link to article: [Identifying ELIXIR Core Data Resources](#)). The [details of the first round of selection are available](#).

[The initial list of Core Data Resources was published 25 July 2017](#). The list is not static and [was most recently updated on 25 June 2018](#).

Deposition Databases

In addition to the list of Core Data Resources, ELIXIR has compiled a list of [databases that it recommends for the deposition of experimental data](#). The purpose of this list is to provide guidance to journals and funders on the appropriate repositories in which to publish open data in the life sciences. [The process to select Deposition Databases](#) has been agreed upon by the ELIXIR HoN.

Recommended Interoperability Resources

The ELIXIR Recommended Interoperability Resources (RIRs) are selected based on the community-consensus guideline (*i.e.*, [the RIR Selection Criteria](#)) to select the key resources that are critical to FAIRification *process* (the activities to make data FAIR). [The call for RIR applications](#) happens on a regular cycle (currently planned for an annual call). Applications are reviewed by the Hub-organised [review process](#). Selected RIRs are subject to annual review and approval by HoNs.

5. ELIXIR Programme

The [ELIXIR Programme](#) is the five-year scientific plan of ELIXIR, prepared by the ELIXIR Director in consultation with the ELIXIR Heads of Nodes Committee and adopted by the ELIXIR Board to fulfill the purpose and goals of ELIXIR. The current Programme covers the time-frame from 2014-2018. It is accompanied by the [ELIXIR Financial Plan](#) that sets out the indicative budget and membership fees in ELIXIR over the same period. ELIXIR is currently developing the next quinquennial Programme and details of this process are available on [the ELIXIR 2019-23 Programme webpage](#).

The ELIXIR annual cycle

Within the framework of the five-year scientific Programme, each year the annual ELIXIR Work Plan and Budget are prepared by the ELIXIR Director and approved by the ELIXIR Board. The annual Work Plan includes objectives for each ELIXIR Platform and Use Case and defines the Hub-funded activities, Commissioned Services, to be conducted each year.

The annual Work Plan and the accompanying budget are developed in an agreement with the Heads of Nodes Committee and submitted to the ELIXIR Board no later than 1 October each year.

Commissioned Services

Commissioned Services are services that generally fall under the responsibility of the ELIXIR Hub but are carried out by the ELIXIR Nodes (including EMBL-EBI) and are funded through the ELIXIR Budget. Commissioned Services are divided in two categories, short-term Implementation Studies and long-term Infrastructure Services.

The ELIXIR founding documents¹ define Commissioned Services and there are two ELIXIR Board approved documents that set out the overall process for the selection, approval and pre-financing of Commissioned Services.

[ELIXIR/2015/27.1](#) - Proposal for a process for the selection and approval of ELIXIR Commissioned Services

[ELIXIR/2016/12](#) - Guidelines for pre-financing of Commissioned Services - Implementation Studies

Implementation Studies

An Implementation Study has a defined set of partners, tasks and deliverables, and a defined budget. The Study should usually be finalised within 12 months and it may e.g. perform tests to guide future services, run services of limited scope to test the value for ELIXIR, or ensure that specific resources meet user needs. The outcome of an Implementation Study may be a description of service requirements, a piece of software, or a technical deliverable with an accompanying report.

Implementation Studies are deeply connected with the ELIXIR Platforms and Communities. They are either put forward by the Platforms based on Platform roadmaps, or submitted in response to a defined Request for Proposals (RFP) prepared by the Hub and agreed upon by the Heads of Nodes. In the 2019-23 Programme, the Heads of Nodes may also agree to initiate a strategic Implementation Study or assign an Implementation Study to initiate a newly-selected ELIXIR Community.

Request for Proposals

“Request for Proposals” is a mechanism that ELIXIR uses to select Implementation Studies through a competitive process. This process employs a peer-review component, with an Evaluation Committee consisting of external reviewers and chaired by the ELIXIR Director. So far, there has been one [Request for Proposals for Data Platform Implementation Studies](#) and a second RFP is currently open for [Community-led Implementation Studies in 2019](#).

Guidelines for administrative aspects of Implementation Studies

Once an Implementation Study has been approved as part of the ELIXIR annual Work Plan, the project can be developed.

- [Guidelines for setup, execution & conclusion of Implementation Studies](#) provide practical instructions for the administrative aspects.
- [Costing model for Commissioned Services](#)
- [Reporting guidelines for Implementation Studies](#)

¹ [ELIXIR Consortium Agreement](#) and [Collaboration Agreement](#)

- The [ELIXIR Publication Principles](#) gives guidance on how to acknowledge the ELIXIR funding
- [Guidance for how ELIXIR Platform coordinators are involved with Implementation Studies](#)

Infrastructure Services

Some of the Commissioned Services will involve investments over several years and provide long-term, essential services within ELIXIR upon which other services can be built. These are called 'Infrastructure Services'. Processes for the selection, setup and execution of Infrastructure Services are currently in preparation.

Guidelines for organising Hub-funded events

- [INFORMATION: Guidelines for workshops](#) (in the Intranet)

Staff Exchange Programme

The purpose of ELIXIR Staff Exchange Programme is to support the exchange of staff between ELIXIR Nodes for short periods of time. This will help to strengthen the links between ELIXIR Nodes, facilitate capacity building across the infrastructure, and support the interoperability and sustainability of ELIXIR services and data resources.

The [first call for Staff Exchange projects](#) was published in summer 2017. The projects were reviewed anonymously by the ELIXIR Technical and Training Coordinators and the capacity building WP leads. Eight projects were selected for initiation in late 2017. Since then, two other calls for Staff Exchange have taken place with the plan of two annual calls going forward.

6. Project Management Unit

The ELIXIR Hub manages a portfolio of externally funded projects that involve ELIXIR Services and Node partners, often through large research infrastructure consortia. The Project Management Unit (PMU) supports ELIXIR with the progression of funding opportunities and assists ELIXIR Nodes and partners in the development of project consortia in line with ELIXIR's strategic goals.

Project Management Unit activities

The PMU is responsible for all project management aspects of Hub-coordinated projects (including reporting, monitoring, internal communication in the project and organisation of project management meetings). The PMU owns the ELIXIR risk management plan that defines the process and the assets used to identify and monitor risks within ELIXIR.

The PMU also acts as the financial controller and is therefore responsible for the elaboration of the Financial Plan and yearly budgets that accompany the ELIXIR Programme as well as the annual Work Plan. Once approved, the PMU monitors the execution of the annual budget and its alignment with the ELIXIR Programme, making recommendations when needed.

Funding opportunities and proposal preparation

The PMU supports ELIXIR partners through the development of new grant applications. For proposals led by the Hub, this includes project management, budget development, consolidation

of partner budgets, development /consolidation of milestones and deliverables, proposal editing, and assistance with other formal requirements such as ethics. For proposals submitted by Nodes input is provided for general assistance, including advice on strategy, provision of templates, etc.

- EC Funding and Proposal Preparation
 - [Finding a call](#)
 - [Register in the EC portal](#)
 - [EC Proposal Submission Guidance](#)
 - [From evaluation to EC grant signature](#)

EC Focus Group

The "[ELIXIR project management network \(PMN\) - EC Focus Group](#)" is a growing community of colleagues across ELIXIR interested in the exchange of knowledge critical for their roles. The main focus will be to further spread EC funding knowledge to make future proposal preparation processes and project implementation function more evenly than they have been in the past. The ELIXIR intranet provides access to [relevant information](#) to the group members (i.e. presentations, guidelines, members profiles, etc.)

Guidance on project implementation and reporting

The PMU provides expertise and support to Nodes through formal aspects of project implementation (e.g. funding rules, administrative processes, workshop costs, Grant Agreement amendments etc.). It also provides project management support to Hub Platform coordinators.

- [EC Grant Management](#)
- [INFORMATION: EC funding rules in a nutshell](#)
- [PROCESS: EC project reporting](#)
- [INFORMATION: Guidelines for workshops](#) (in the Intranet)
- [TEMPLATE Grant Agreement amendments - items and administrative info](#)

Linked Third Parties

The PMU supports Nodes using the EC Horizon 2020 Linked Third Party clause, under which ELIXIR can participate in consortia in a more unified manner or as a single infrastructure (as opposed to a large number of separate beneficiaries).

- [INFORMATION: Linked Third Parties in H2020 - practical aspects](#)
- [INFORMATION: Linked Third Parties in H2020 - ELIXIR principles](#)

Project dissemination

Externally funded activities usually have specific dissemination requirements. It is essential that funders and other stakeholders see the return on investments made into ELIXIR. To support this, together with External Relations, the PMU supports dissemination of projects output.

- See [ELIXIR Communications Strategy](#)

Risk management

- [PROCESS: ELIXIR risk management](#)

ELIXIR's externally funded projects

[The list of EU-funded projects that ELIXIR is involved in is available on the ELIXIR website.](#)

7. Communications and External Relations

This chapter contains background and links to ELIXIR's strategies concerning External Relations, particularly communications. The aim of the various documents and guides is to ensure a harmonised communications presence for ELIXIR and enable Nodes, through collaborative editing of the website, to ensure their news, content and events are captured effectively.

Communications Strategy

ELIXIR's Communications strategy provides a reference for all aspects of ELIXIR communications. The document is intended for members of ELIXIR who need a comprehensive overview of ELIXIR communications channels and policies.

- [ELIXIR Communications Strategy](#)

The [Communications Strategy review](#) conducted in 2017 presents qualitative and quantitative data to measure the effectiveness of ELIXIR Communications and provides a series of recommendations for specific communications channels and/or audience.

Node Toolkit

The [Node Toolkit provides tips and resources to help Nodes communicate efficiently](#) even without a dedicated Communications Officer or team. It also outlines methods for Nodes to make better use of Hub communications for promoting activities.

Intranet

[The ELIXIR Intranet](#) allows members of the ELIXIR community to share information. It is a reference point for important documents, events and tasks. The documents below provide comprehensive guidelines on how to use the intranet:

- [Intranet guidelines](#) - Basic information about the structure and functionalities of the ELIXIR intranet.
- [Instructions for group managers](#) - Instructions how to view, add, invite and delete members of intranet groups, using the PERUN platform.
- [Instructions for Intranet champions](#) - Detailed instructions how to create and maintain content on the ELIXIR intranet.

Calendar

The [ELIXIR Calendar](#) brings together various calendars from around ELIXIR. Note that you need to be logged into the intranet to access the calendar.

Glossary of Terms

[The ELIXIR website maintains a glossary of terms.](#)

ELIXIR Channel on F1000R

ELIXIR has established [an F1000R channel](#) for scientific and technical output. The [ELIXIR Publication principles](#) provide guidelines on how to publish here.

Industry Strategy

[ELIXIR's Industry Strategy](#) sets out the objectives and activities that will be carried out by partners to ensure maximum use and uptake of ELIXIR's services by industry. The Industry Strategy is reviewed periodically by the [ELIXIR Industry Advisory Committee](#).

- [Mapping of Clusters and SME Associations of relevance to ELIXIR](#)

In order to support Europe's industry and in particular its SMEs, ELIXIR's Innovation and SME Programme is a series of specialised events for companies, hosted by ELIXIR Nodes and funded through the ELIXIR Hub. Each Forum provides companies with the opportunity to learn more about the emerging ELIXIR services and to forge strong links with the local ELIXIR Node representatives running these services.

- [Guidelines to Organising an SME event](#)

International Strategy

[ELIXIR's International Strategy](#) sets out the priorities and activities that ELIXIR will undertake with specific countries outside Europe and relevant global, scientific initiatives.

8. Technical Operations

This section contains information and guidelines for ELIXIR's technical operations, including ELIXIR Services, guidelines developed by the community and practical information on operations.

Overview of Technical Team - Role, Remit and Structure

The ELIXIR Technical Team has overall responsibility for coordinating technical activity across the Platforms, Communities and Nodes. [The role and remit of the Technical Team is defined in this document.](#)

ELIXIR Platforms

ELIXIR's activities are divided into five areas called 'Platforms': Data, Tools, Interoperability, Compute and Training. The Platforms are led by leaders known as the Executive Committee ("ExCos"), working closely with a Hub-based Coordinator. The Platforms' work is carried out by groups within them, funded by a variety of different mechanisms. Further information can be found on the ELIXIR [website](#).

[The Data Platform](#) maintains the lists of ELIXIR [Core Data Resources](#) and recommended [Deposition Databases](#), works to increase the linkage between publications and data across all ELIXIR data resources that they describe, promotes Open Access as a core principle for publicly funded research and collaborates internationally on improving the long-term sustainability of data resources.

[The Tools Platform](#)'s main objective is to improve the discovery, quality and sustainability of software resources. It helps researchers find, benchmark and deploy the best software tools and workflows to analyse their data.

[The Interoperability Platform](#) encourages the adoption of standards to describe life science data, and identifies best practices to achieve FAIR-compliant methodology through the development of FAIRification tools and services across the different layers of interoperability: identifiers, ontologies, standardised schemas, semantic technologies, and linked data facilitated by ELIXIR resources such as [identifiers.org](#), the [Ontology Lookup Service](#), [Bioschemas](#), or [FAIRsharing](#).

[The Compute Platform](#) develops services to make it easier to store, share and analyse large datasets.

[The Training Platform](#) establishes and implements best practices in bioinformatics training, supports training providers across Europe in developing and delivering training to three major target audiences; Developers, Researchers and Trainers. It maintains [TeSS, the ELIXIR Training registry](#), which provides a one-stop shop for trainers and trainees to register or discover online information and content, including training materials, events and interactive tutorials.

ELIXIR Communities

ELIXIR Communities (formerly referred to as Use Cases) are a means for ELIXIR to obtain input on service requirements from specialised scientific domains and so drive its service provision. Communities participate in, and in many instances drive, Implementation Studies to develop technical services.

- [Communities page on ELIXIR website](#)
- [How Communities are recognised by ELIXIR](#)
- [How to become an ELIXIR Community Member](#) (for members of ELIXIR Nodes)
- [How to become an ELIXIR Community Partner](#) (for non-members of an ELIXIR Node)

Human Data Communities

The ELIXIR Human Data Communities (HDCs) aim to create a mechanism whereby ELIXIR Nodes, Communities, and key projects can co-develop a long-term European strategy for sharing sensitive human research data based on a set of flexible, production quality and sustainable components. This is not to detract from the identities of the participating communities, but instead to provide a forum for coordination and communication across these powerful entities.

ELIXIR Services and how to access them

ELIXIR Compute, Database, Interoperability, Tools and Training Services include services contributed by the ELIXIR Nodes as well as services developed or supported within the ELIXIR Infrastructure. They can be accessed via [the ELIXIR website's Services page](#).

ELIXIR Collaborations

ELIXIR collaborates beyond its own Node structure, with several international organisations. These initiatives are listed on [the ELIXIR website's Collaborations page](#).

FAIR Data Management in the Life Sciences

ELIXIR has published a statement addressing how its infrastructure will help researchers to make published life-science data FAIR (Findable, Accessible, Interoperable and Reusable).

- [ELIXIR position paper on FAIR Data Management in the life sciences](#)

This statement also voices ELIXIR's commitment to enabling the availability of FAIR data within the framework of the European Open Science Cloud (EOSC), an initiative of the European Commission and Member States to connect big data across Europe.

Software Best Practices and Open Source Software Principles

[Four simple recommendations to encourage best practices in research software have been published](#). You are welcome to [endorse](#) these recommendations and [join the open SotfDev4Research working group](#).

The ELIXIR Git repository

The [ELIXIR Git repository](#) is recommended for all code produced through ELIXIR-funded projects, e.g. via EXCELERATE or Implementation Study funding. To upload your code, simply register or log in to Git.

ELIXIR Authentication and Authorisation Infrastructure

ELIXIR aims to provide a sustainable, user-friendly Authentication and Authorisation Infrastructure (AAI) to meet the evolving needs of all life scientists in Europe. To accomplish this, the [ELIXIR AAI Strategy](#) was agreed with the ELIXIR Heads of Nodes Committee in June 2016.

[ELIXIR AAI documentation](#) on the ELIXIR website provides more practical information on the service and how to connect your service to the AAI.

- [Standard Operational Procedure \(SOP\) for Registering Relying Services to ELIXIR AAI](#)

Interoperability Knowledge Hub

The Interoperability Platform is working on the development of an ELIXIR Interoperability Knowledge Hub of Services, Standards and Best Practices. The information in the Knowledge Hub will allow infrastructure and tool developers to assess current best practice and determine which interoperability services and standards to implement under specific circumstances. The first version is expected to be released in 2018.

References

ELIXIR Consortium Agreement: <https://www.elixir-europe.org/about-us/governance#legal>
FAQ on the legal framework of ELIXIR: <https://www.elixir-europe.org/about-us/governance/faqs>
ELIXIR Member States: <https://www.elixir-europe.org/about-us/who-we-are/nodes>
ELIXIR Collaboration Agreement:
<https://www.elixir-europe.org/about-us/governance/collaboration-agreement>
Categories and approval levels of ELIXIR-wide policies and guidelines:
<https://docs.google.com/document/d/1i1rhmHNsHOJJtn6iLSf4RliGjEJbXWXV6zpMQU082dg/edit?usp=sharing>
Governance structure: <https://www.elixir-europe.org/about-us/governance>
ELIXIR Board:
<https://www.elixir-europe.org/about-us/governance/board>
ELIXIR Director:
<https://www.elixir-europe.org/about-us/governance/director>
ELIXIR Scientific Advisory Board:
<https://www.elixir-europe.org/about-us/governance/sab>
Heads of Nodes Committee:
<https://www.elixir-europe.org/about-us/governance/hons-committee>
Industry Advisory Committee:
https://www.elixir-europe.org/industry/understanding_industrys_needs
ELIXIR Board Rules of Procedure:
<https://drive.google.com/file/d/0B7btK9HAXhx1czdrbjRDUVpxQ0E/view?usp=sharing>
ELIXIR Heads of Nodes Committee Rules of Procedure:
<https://drive.google.com/file/d/0B4WQQq4hwmbQYmRSMmRmRDJBWTQ/view?usp=sharing>
Scientific Advisory Board Terms of Reference:
<https://drive.google.com/file/d/17CJXfYu2CS-hXyAA5J3bC9XiohzjFPoc/view?usp=sharing>
Scientific Advisory Board Rules of Procedure:
<https://drive.google.com/file/d/1VUuWb5Exl6DmluHp046B9y2gChkF39Eo/view?usp=sharing>
Industry Advisory Committee Terms of Reference:
<https://drive.google.com/a/ebi.ac.uk/file/d/0B7btK9HAXhx1T0xISno2SkIpTEU/view?usp=sharing>
Industry Advisory Committee Rules of Procedure:
<https://drive.google.com/a/ebi.ac.uk/file/d/0B7btK9HAXhx1eWd4NjiYSWFpOUU/view?usp=sharing>
ELIXIR Platforms and operational responsibilities:
<https://www.elixir-europe.org/about-us/governance#operational>
Technical Coordinators Group:
<https://www.elixir-europe.org/about-us/governance/tecq>
Training Coordinators Group:
<https://www.elixir-europe.org/platforms/training/how-organised>
Coordinators guidelines:
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