



ELIXIR 2024-28 Financial Plan



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1. Introduction

The ELIXIR Financial Plan accompanies the ELIXIR Programme. The Financial plan sets out indicative annual budgets for the five-year Programme cycle together with the financial commitments from ELIXIR Member states for their annual contributions¹.

The ELIXIR 2024-28 Programme ([ELIXIR/2023/23](#)) details the strategic ambitions, scientific roadmaps, and expected deliverables for ELIXIR. This is complemented with the operational planning for ELIXIR (referred to as "ELIXIR 2024-28 Programme, Part B", forthcoming) that sets out the structure of programme implementation together with the detailed deliverables and milestones. In this document a brief summary of the scientific programme is presented to provide context and alleviate the need for extensive cross-referencing.

Every year ELIXIR provides an annual work plan and budget that details income and expenditure (including external, third-party, grants e.g. from the EC) together with the project plans for ELIXIR's Commissioned services². Any changes of the Programme in response to external environment will be described in these annual work programmes and budgets, however, in accordance with ELIXIR ECA Article 7.1.2 the Member State contributions for the years 2024-28 are given by the ELIXIR 2024-28 Financial Plan.

The ELIXIR 2024-28 Programme is structured around a major mid-term review by the ELIXIR SAB in 2026. The review will provide an opportunity to assess the Financial Plan against the progress towards the Programme objectives. Accordingly, the operational planning is done in two periods, 2024-26 and 2027-28, with the expectation that the detailed planning for the second period responds to recommendations from the mid-term review.

2. Focus of the Financial Plan

2.1 ELIXIR 2019-23 Programme

The 2019-23 Programme began the consolidation of scientific services (operated by ELIXIR Nodes) into European-scale operations. This laid the foundation for coordinating large-scale projects such as the European Genomics Infrastructure³ and the collective response to the COVID-19 pandemic⁴.

¹ ELIXIR ECA (Article 7.1.2) "No Member State shall be required to pay more or less than their normal annual contribution agreed in the Financial Plan. Article 5.1.5, Article 7.5 Sentence 2 and Article 9 remain unaffected."

² ELIXIR ECA (Article 6.3.2e) "Propose each year no later than 1 October an ELIXIR Budget showing detailed estimates of the projected income and expenditure of ELIXIR for the following financial year."

³ <https://gdi.onemilliongenomes.eu/>

⁴ See e.g. <https://www.covid19dataportal.org/partners?activeTab=National%20Data%20Portals> and by-covid.eu/resources



ELIXIR Communities⁵ were introduced in the 2019-23 Programme. ELIXIR Communities are now well established, managed in a structured portfolio and form the basis of ELIXIR's support to diverse life science research fields. For instance, ELIXIR's role in the European emerging biodiversity network⁶ and our significant plant and agriculture data services⁷ has been catalysed through the community mechanism.

An important change in the ELIXIR 2019-23 Programme was the transition from the single, large-scale Programme grant from the EC (ELIXIR-EXCELERATE €19M, 2015-19) to developing a portfolio of externally funded projects that drive the development and operations of different aspects of the ELIXIR infrastructure⁸ (Figure 1). The external project portfolio is supported by the Research Infrastructures and EOSC programming in Horizon 2020/Horizon Europe and also other European programmes such as IHI and Digital Europe. During the execution of the ELIXIR 2019-23 Programme, ELIXIR was nominated to coordinate the European Genomic Data Infrastructure project (€40M) funded by the Digital Europe programme, illustrating the key role of ELIXIR as the neutral member-state governed partner to support and manage the implementation of large-scale European data initiatives where significant national investments and priorities needs to be balanced with joint European programmes.

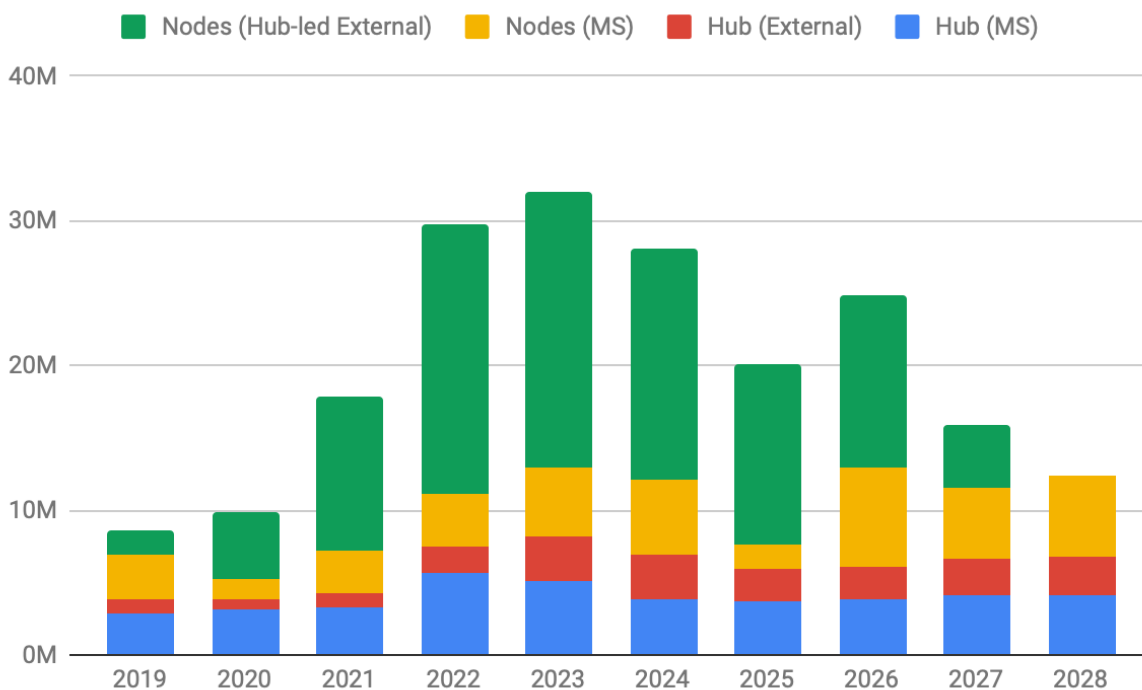


Figure 1. Overview of funding sources (External grants and Member States contributions) for ELIXIR Nodes and ELIXIR Hub (2019-2028). Note that figure only includes grants awarded to date, many of which are ending in 2025/26. The ELIXIR Hub will continue to coordinate EC projects and expects to maintain the portfolio.

⁵ <https://elixir-europe.org/communities>

⁶ <https://www.erga-biodiversity.eu/erga-bge>

⁷ <https://elixir-europe.org/communities/plant-sciences>

⁸ <https://elixir-europe.org/about-us/how-funded/eu-projects>



The importance of external funding in supporting activities in the Nodes during the current ELIXIR Programme and planning over the next five years is shown in Figure 1. External funding includes grants awarded to date, however, ELIXIR will continue to seek externally funded projects and would expect to further develop the portfolio of grants during the ELIXIR 2024-28 Programme.

2.2 ELIXIR 2024-28 Programme

A key achievement in the 2019-23 Programme was the establishment of *ELIXIR Communities*⁹, resulting in the development of a portfolio of structured partnerships with life-science research communities. European-scale capabilities for research data management and federated data access and analysis have now been established, across Nodes, via ELIXIR Platforms and projects such as ELIXIR-CONVERGE, European Genomic Data Infrastructure, Biodiversity Genomics Europe¹⁰, and a portfolio¹¹ of EOSC-related projects. These developments form the basis for the ELIXIR 2024-28 Programme which is based on concerted actions that bring together the ELIXIR Communities with the services in the ELIXIR Platforms to align Nodes to effectively serve large-scale, multi-disciplinary cross-border projects.

The ELIXIR 2024-28 Programme is structured into four Tiers: Science, Technology, Nodes and People. In the Science Tier we will use our established partnerships in the ELIXIR Communities to establish solutions for large, multi-disciplinary data-driven science - including development of Open Science, research data management and analysis of large, cross-border datasets. ELIXIR will continue its commitment to the construction of a European infrastructure for human genomics and associated translational data.

A major new development in the ELIXIR 2024-28 Programme is a consolidated programme to support data-driven research into biodiversity, food security and pathogens. Research in these fields are being transformed by genomics and large-scale phenotyping and ELIXIR's ambition is that Europe should have a research data infrastructure to match. This includes building new partnerships with research infrastructures outside the life sciences to ensure interoperability with data on e.g. environment and climate change.

The Technology Tier will consolidate the services in the ELIXIR Platforms into a cross-Node portfolio of solutions in the three areas of research data management, reproducible analytics and data federations. With ELIXIR moving into the mature phase, the main focus in the third Programme is on consolidation and sustainability of existing resources, ensuring long-term, transnational delivery towards pan-European scientific communities and initiatives (e.g. EC Missions and Partnerships).

⁹ <https://elixir-europe.org/communities>

¹⁰ <https://www.erga-biodiversity.eu/erga-bge>

¹¹ E.g. eosc-life.eu, by-covid.eu, eosc4cancer.eu, galaxyproject.org/projects/esg/, EOSC-Entrust, EOSC-EVERSE, OSCARS



The Node Tier is a new activity in the 2024-28 Programme. The ability of Nodes to respond to new scientific and technical developments and the requirement of federated service delivery (e.g. in the European Genomic Data Infrastructure) necessitates a strong focus on Nodes development for ELIXIR to be successful. The actions foreseen builds on established, successful programming in ELIXIR with a significant scale-up of our impact assessments, long-term sustainability and Node operations in the 2024-28 Programme. The investments in the Node Tier are closely linked to the training and development programme in the People Tier: professional development of users and Node technical and management staff together with a commitment to diversity and inclusion, demonstrated through mentoring, building skills in a diverse workforce and ensuring recognition and credit attribution.

There are recognised issues in the implementation and operations of the ELIXIR 2019-23 Programme: a large number of Commissioned Services contracts, funding spread across many partners, and extensive reporting obligations made the management of Commissioned Services resource-intensive both for the Nodes and the Hub. The 2024-28 Programme will adopt a simplified approach: the Commissioned Services portfolio will consist of fewer, larger projects aligned with Programme priorities. It will also have streamlined administrative and financial management with fewer contracts, simplified end reporting (aligned with ELIXIR Impact monitoring), and longer duration of Commissioned Services (24-36 months).

3. Commissioned Services in 2024-28

3.1 Alignment between Financial Plan and Programme

In ELIXIR, Commissioned Services are work (“services”) carried out by ELIXIR Nodes and funded by the ELIXIR Budget (ECA Article 8.6). The Commissioned Service budget is aligned with the priorities set out in the 2024-28 Programme across the four Strategic Tiers (Science, Technology, Nodes, People).

Given the backdrop of inflation and upward cost-pressures in all ELIXIR Member States over the last years, together with the fixed Member State contribution over the five year programme cycle (ECA Article 7.1.2) the 2023 budget represents a significant contraction of the original 2019-2023 ambitions. On the basis of preliminary discussions with Member States, ELIXIR does not put forward a transformational growth in the budget nor requests an inflationary adjustment for the start of the 2024-2028 Programme. Instead, responding to a desire for a predictable scaling, the 2023 budget has been taken as a baseline for calculations with a 2% annual increase (in monetary, not real, terms) over the next five years (2024-2028), that, together with consolidation of services and efficiency gains in implementation, will allow new investments in the Science Tier (including the concerted effort on Biodiversity, Food Security and Pathogens) and the development of the Nodes Tier to underpin federated data operations. While this approach avoids translating accumulated inflation from previous years to Member State contributions, it represents a real-term downward adjustment of ELIXIR’s budget compared to the original 2019-23 Programme. Given the continuing inflationary pressures envisaged in the early years of the 2024-2028 period, effort has been made to focus investments in the areas where there will be most impact, thus realising all set ambitions in the 2024-28 Programme. In



line with the structure of the Programme, the resources budgeted for Commissioned Services (CoS) are split into the 4 main categories described below (Figure 2).

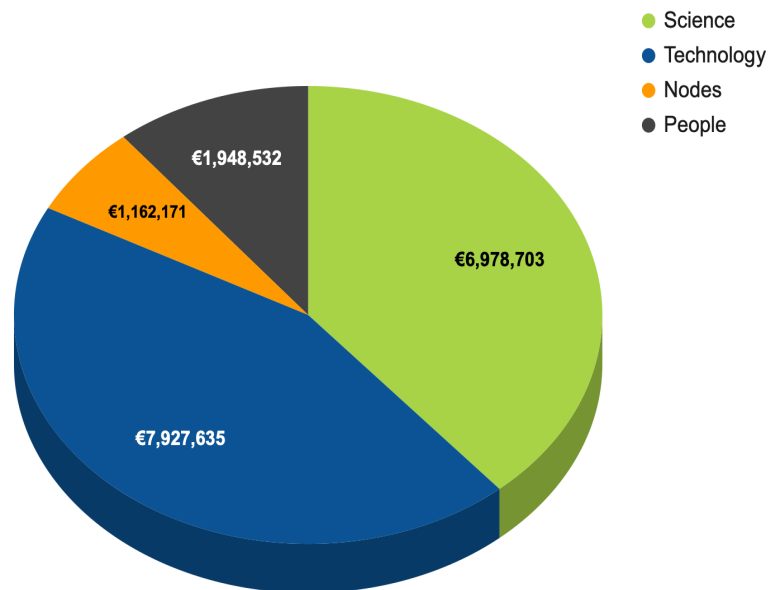


Figure 2. Distribution of CoS budget per Strategic Tiers over the whole 2024-28 Programme

Resource estimates are based on the developing plans within each of the four Strategic Tiers (Science, Technology, Nodes, and People) and based on discussions in the ELIXIR HoN and Programme Editorial Board. In total, Commissioned Services, together with other activities in the Nodes (e.g. Industry Programme actions, BioHackathon, etc.) constitute 57.6% of the direct cost budget (see also Figure 4).

3.2 Science Tier

Science Tier investments are aligned with the three priority Science areas. For each priority area, two periods of funding are planned: 2024-2026 and 2027-2028. Projects will be developed on the basis of open calls, where eligible Node institutes apply in projects that drive partnership between ELIXIR Communities and ELIXIR Platform services. The open calls will be designed with the community with a team of Science area leaders from ELIXIR Nodes (currently under appointment).

In total, €6,990k are budgeted and distributed across the Science Tier as follows:



STRATEGIC TIER	Priorities and Ambitions	Realisation	2024-2026	2027-2028	Total
Science	Cellular and molecular research A1 Connect the latest developments and established data resources to realise the potential of cellular and molecular biology	Communities/Platforms/Open Calls Commissioned Services	1,090,000	780,000	€1,870,000
	Biodiversity, food security and pathogens A2 Mobilise and integrate molecular data to support transnational research programmes in biodiversity, food security and pathogens	Communities/Platforms/Open Calls Commissioned Services	1,090,000	780,000	€1,870,000
	Human data and translational research A3 Provide the infrastructure to support the discovery, access, sharing and analysis of human genomics data and linked data on a massive scale	Communities/Platforms/Open Calls Commissioned Services	€1,950,000	€1,300,000	€3,250,000
TOTAL SCIENCE:					€6,990,000

Note: A= ambition

3.3 Technology Tier

ELIXIR Platforms are the main implementation mechanism for the Technology Tier. The structure of ELIXIR Platforms was introduced during the first Programme (2014-2018), where over 10 years of management oversight and reporting capabilities have been built into the operational processes of Platforms. The detailed plans for Platform delivery will be presented to the Board in the implementation section of the 2024-28 Programme ("Part B").

In total, €7,930k are budgeted and distributed across the Technology Tier as follows:

STRATEGIC TIER	Priorities and Ambitions	Realisation	2024-2026	2027-2028	Total
Technology	Research data management and data sharing A1 Provide data and knowledge management infrastructure to support open, data-driven research in the life sciences"	Commissioned Services in:	€800,000	€460,000	€1,260,000
		- Data Platform	€800,000	€460,000	€1,260,000
	Reproducible analytics and infrastructure A2 Develop our infrastructure to enable end-to-end management of life science software, workflows and containers	- Compute Platform	€800,000	€460,000	€1,260,000
		- Tools Platform	€800,000	€460,000	€1,260,000
	Federated service delivery A3 Develop a federated pan- European technical infrastructure for life scientists to access data, storage and compute services	- Training Platform	€800,000	€460,000	€1,260,000
		- Interoperability Platform	€800,000	€460,000	€1,260,000
		Cross-platform strategic Commissioned Services	€500,000	€310,000	€810,000
	Infrastructure services investments	€480,000	€340,000	€820,000	
TOTAL TECHNOLOGY:					€7,930,000

Note: A= ambition

In this Financial Plan, Technology Tier investments are aligned with three priority areas setting out ambitions that will require composable services across ELIXIR's Platforms. Cross-cutting investments in strategic areas (under discussion and will be presented in annual work plans) are foreseen to further reinforce interoperability between Nodes and Platforms. Two major Commissioned Services per Platform, across five years are planned for each funding period.

In addition, investments in core infrastructure services (TeSS, Tools Ecosystem, AAI and Beacon) of around €800k (or ca. €150k per year) are planned over five years and included in the overall Technology Tier budget.

3.4 Nodes Tier

Node Tier investments will support Nodes for efficient functioning as part of a distributed research infrastructure. Work in this Tier represents underlying efforts supporting delivery in the Science and



Technology Tiers. All Nodes will be involved, principally via Node coordinators as the core group, but other partners across Nodes will be engaged based on expertise and capability.

Node Tier investments are spread across four priorities and accompanying ambitions, however, efforts are concentrated into two large Commissioned Services planned for the period from 2024-2026 and 2027-2028.

In total, €1,170k are budgeted for the Node Tier as follows:

STRATEGIC TIER	Priorities and Ambitions	Realisation	2024-2026	2027-2028	Total
Nodes	Node operations A1 Nodes have the operational capabilities to contribute to a European infrastructure for data	Overarching Commissioned Services involving all Nodes; collaboration with Science, Technology and People tiers	€650,000	€520,000	€1,170,000
	National research & open science policy alignment A2 Nodes are aligned with national research priorities and open science policies				
	Industry & innovation A3 Nodes are fundamental to national industry ecosystems and engage in EU-wide industry efforts				
	Impact and long-term sustainability A4 Nodes are empowered and supported in their efforts towards long-term sustainability				
TOTAL NODES:					€1,170,000

Note: A= ambition

3.5 People Tier

3.5.1 People Tier links with other Tiers

Similar to the Node Tier, People Tier investments have influence and close working links to other Strategic Tiers. People Tier investments are concentrated on practical implementation of knowledge and best practices across Nodes. All Nodes will be involved via Node coordinators as the core group, and other partners across Nodes are brought in based on expertise and capability.

The People Tier investments are spread across four priorities and accompanying ambitions, with efforts focused into two Commissioned services planned for realisation of Ambition 2 and Ambition 3 in the period from 2024-2026, and 2027-2028. Ambition 4 will be realised with the expansion of the ELEAD Programme¹², initiated in 2029-2023 Programme as a pilot. Upon its completion in late 2024/early 2025, the second phase will be initiated in the period from 2025 to 2027. Ambition 1 will be sustained via work done in the Training Platform, in close collaboration with Nodes and People Tiers.

The Capacity Building and Knowledge Exchange programme (section 3.5.2 below) horizontally supports the delivery of the Commissioned Services across all ELIXIR's members and drives capacity building and collaboration between Nodes (e.g. through bilateral staff exchange).

In total, €1,950k are budgeted for the People Tier as follows:

¹² <https://elixir-europe.org/internal-projects/commissioned-services/elead>



STRATEGIC TIER	Priorities and Ambitions	Realisation	2024-2026	2027-2028	Total
People	Users of ELIXIR services A1 All users of ELIXIR services have access to training, resources and expertise	Covered in Training platform developments; ongoing collaboration			
	Technical and scientific staff A3 ELIXIR technical and scientific staff have the skills needed for operational excellence and impact	Training roll-out in close collaboration with Training Platform Commissioned Services	€270,000	€270,000	€540,000
	Management and operational staff A2 Nodes are well equipped to efficiently manage and run a distributed infrastructure	Overarching Commissioned Services involving all Nodes; collaboration with Science, Technology and Nodes tiers	€330,000	€320,000	€650,000
	A diverse people network A4 ELIXIR is a diverse network of people who are appropriately credited for their work	ELEAD follow up		€212,000	€212,000
		Capacity Building and Knowledge Exchange programme (ca. 200,000 / year)	€318,000	€230,000	€548,000
TOTAL PEOPLE: €1,950,000					

Note: A= ambition

3.5.2. Capacity Building and Knowledge Exchange Programme

This programme is a successor of the ELIXIR Staff Exchange programme and consolidates its three components (Staff Exchange projects, Travel grants scheme, and Knowledge Exchange Scheme) into a single coherent programme to simplify operations and track outcomes and impact. The purpose of the programme remains the same: to build a diverse and capable workforce by strengthening the links between ELIXIR Nodes, facilitate capacity building in ELIXIR Nodes and support the exchange of best practices in bioinformatics service provision. This programme is expected to cover all requirements related to capacity building and knowledge exchange outside of the already funded work within Strategic Tiers.

In total, €550k is budgeted for the Capacity Building and Knowledge Exchange programme distributed over five years (ca. €100k per year) for short-term projects of up to €15k. It is included in the People Tier budget.



TABLE 1: Summary of planned investments per Tier and ambition in period of 2024-2028

STRATEGIC TIER	Priorities and Ambitions	Total
Science	Cellular and molecular research A1 Connect the latest developments and established data resources to realise the potential of cellular and molecular biology	€1,870,000
	Biodiversity, food security and pathogens A2 Mobilise and integrate molecular data to support transnational research programmes in biodiversity, food security and pathogens	€1,870,000
	Human data and translational research A3 Provide the infrastructure to support the discovery, access, sharing and analysis of human genomics data and linked data on a massive scale	€3,250,000
	TOTAL SCIENCE:	€6,990,000
Technology	Research data management and data sharing A1 Provide data and knowledge management infrastructure to support open, data-driven research in the life sciences"	€2,520,000
	Reproducible analytics and infrastructure A2 Develop our infrastructure to enable end-to-end management of life science software, workflows and containers	€2,080,000
	Federated service delivery A3 Develop a federated pan- European technical infrastructure for life scientists to access data, storage and compute services	€3,330,000
	TOTAL TECHNOLOGY:	€7,930,000
Nodes	Node operations A1 Nodes have the operational capabilities to contribute to a European infrastructure for data	€1,170,000
	National research & open science policy alignment A2 Nodes are aligned with national research priorities and open science policies	
	Industry & innovation A3 Nodes are fundamental to national industry ecosystems and engage in EU-wide industry efforts	
	Impact and long-term sustainability A4 Nodes are empowered and supported in their efforts towards long-term sustainability	
TOTAL NODES:	€1,170,000	
People	Users of ELIXIR services A1 All users of ELIXIR services have access to training, resources and expertise	€540,000
	Technical and scientific staff A3 ELIXIR technical and scientific staff have the skills needed for operational excellence and impact	
	Management and operational staff A2 Nodes are well equipped to efficiently manage and run a distributed infrastructure	€650,000
	A diverse people network A4 ELIXIR is a diverse network of people who are appropriately credited for their work	€760,000
TOTAL PEOPLE:	€1,950,000	



4. ELIXIR Hub Secretariat Budget 2024-28

4.1 Coordination support

The ELIXIR Hub acts as the Secretariat and provides the overall coordination support needed for the efficient operation of ELIXIR as a large, distributed research infrastructure.

In 2023, the ELIXIR Hub had 45 staff members funded through member state (internal) and external (project) funding (Figure 3). Almost all staff charge a proportion of their time to external grants. For example, an ELIXIR Hub project manager will be managing a portfolio of externally funded projects and so is fully funded (e.g. by EC) for work towards delivery of each of those projects. In addition, project managers lead the development of new project proposals - this cost is not eligible for EC funding and so will be covered by the MS funded staff budget. While this makes staff forecasting complicated, an extensive analysis has been made to allow for reliable projections of staff turn-over and funding scenarios over the duration of the 2024-28 Programme. A scenario encompasses the development of Hub teams to best accommodate and support Nodes in the implementation of the 2024-28 Programme as well as an increased number of European Commission (EC) projects has been developed and built into the financial planning in the coming five-year period.

The average cost of ELIXIR Hub (Secretariat) per year is ca. €4,5M. In the ELIXIR Hub the Technical team, Human Genomics and Translational Data team, Project Management team, External Relations team and Legal team are expected to be part-funded for contracted deliverables in projects financed by external grants. The event management roles in the Operations team will also be part-funded through externally funded projects, albeit to a lower extent as some staff costs are not eligible in externally funded projects. Thus, over the 2024-28 Programme, we expect that on average 40% of Secretariat staff costs are supported through external grants (estimated to €12,680k in total over the Programme duration). The envisaged ratio of EC funding and core funding contributing to staff costs over the next five years are presented in [Figure 3](#). Core ELIXIR Hub Secretariat staff (60%) are funded from core ELIXIR Budget as described in [Table I](#).

While the presented scenario supports the long-term staff planning at the ELIXIR Hub it is contingent on the continued success in competitive funding applications and as such only represents a best estimate forecast. Detailed budgeting of staff costs is an on-going activity at ELIXIR Hub, presented to the Board in annual budgets. In line with EMBL Financial rules the individual staff contracts must be underwritten by a defined income (e.g. a specific grant or combination of grants) for the duration of the contract. The scenario planning considers this, e.g. in 2024 there will be contract renewals that are contingent on additional successful external funding. Hence there is a decrease in forecasted staff costs in 2025 (Figure 3 and Table I).

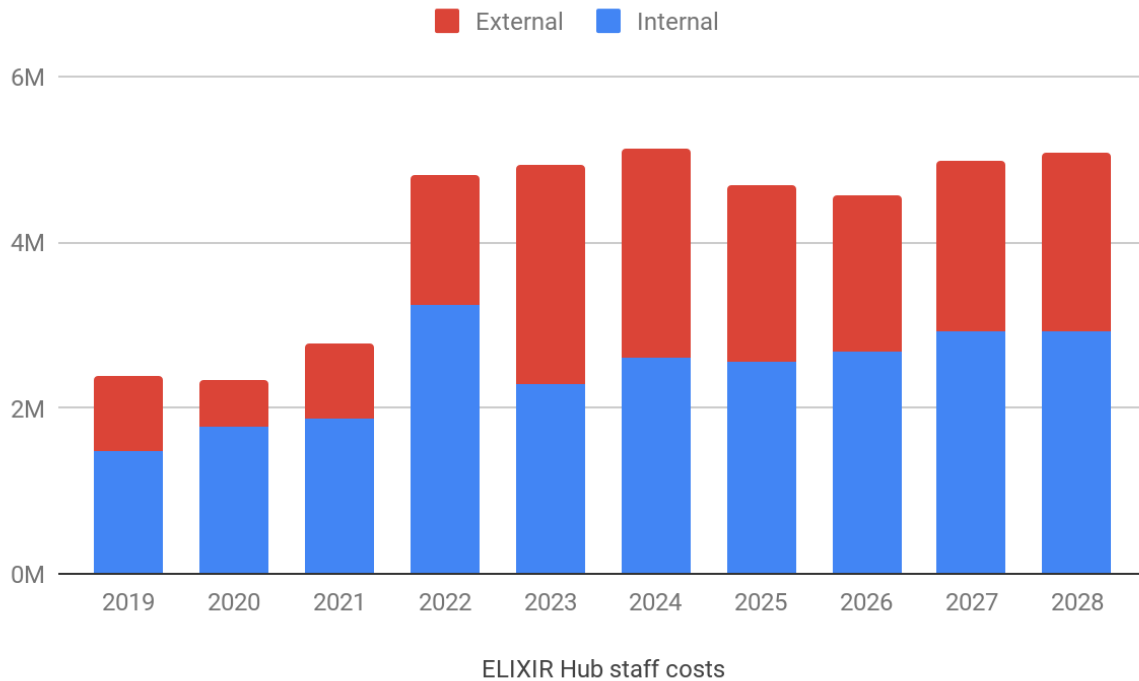


Figure 3. Hub staff costs covered by External funding (EC) and internal funding (Member State contributions)

4.2 Support and Administration

The ELIXIR Hub is located alongside the EMBL-EBI on the Wellcome Genome Campus in Hinxton, Cambridge. The legal framework of ELIXIR is based on the ELIXIR Consortium Agreement (ECA), which has been concluded by a Consortium consisting of Member States and EMBL. As per the ECA, EMBL has agreed to host ELIXIR, which involves allowing ELIXIR to operate through EMBL’s legal personality, to employ ELIXIR staff and to provide ELIXIR with administrative services (“Core Responsibilities”, see Art. 5.4.1 ECA). Costs incurred by ELIXIR towards EMBL for providing the Core Responsibilities, e.g. human resources and financial services, are charged to ELIXIR through overhead costs. The underlying methodology for those support and administration costs provide for funds to be allocated based on a best estimate of actual usage.

Based on the 2022 and 2023 support and administration costs, the projection over the ELIXIR 2024-28 Financial Plan is for 11.3% of total internal costs, summing up to €4,481k. The support and administration costs are slightly higher than the ELIXIR 2019-23 Financial Plan (forecasted costs over 2019-23 were 10.1% of total costs.) This increase is a consequence of the growing portfolio and Node participation in Commissioned Services and the higher number of EC projects that incur support and administration costs at the ELIXIR Hub (note that EC projects also generate income - “overheads” - that cover these costs) .



5. Distribution and phasing of ELIXIR costs 2024-28

5.1 Overview

[Figure 4](#) shows the total distribution of Member State contributions under the ELIXIR 2024-28 Financial Plan, including Secretariat costs.

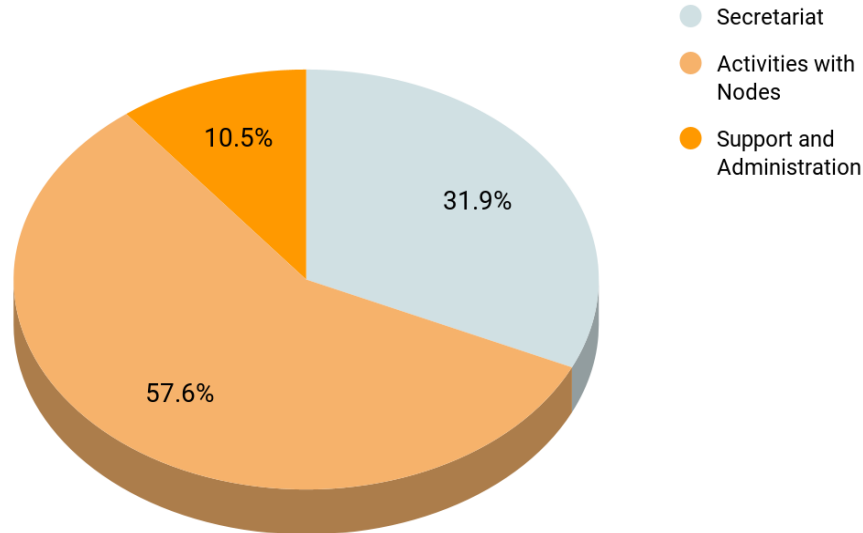


Figure 4. Member State Budget Distribution in 2024-2028

ELIXIR is now not only fully operational, but an ESFRI landmark research infrastructure and the 2024-28 Financial Plan is based on carrying forward the scale of operations established in 2023, together with an expanded Communities portfolio, a prioritised set of strategic initiatives and increased investment in ELIXIR operated Infrastructure Services.

5.2 Phasing of costs

The 2024 annual Budget under the 2024-28 Financial Plan includes a deferred Commissioned Service expenditure of €2,224k from the 2019-23 Programme for projects that are committed but expected not to be concluded and invoiced by the end of 2023 (e.g. projects starting in 2023). The deferred spending is balanced by a cash carry over from the 2019-23 Financial Plan that gives ELIXIR a nominal cash reserve of €5,851k at the beginning of the 2024 financial year ([Table I](#)).

Planned Commissioned Service investments over the next five years have been presented reflecting the phasing of funds over years following the 50:50 distribution cycle (50% prepayment in the beginning of the project, and 50% final payment following the approval of the final reports and completion of the project). ELIXIR's cash reserve is also used to frontload activities in the ELIXIR 2024-28 Programme resulting in a budgeted deficit in 2024 of €1,294k (due to Commissioned Service prepayments) and in



2026 of €2,587k (expected Commissioned Services final payments), balanced by a surplus of €2,664k in 2025.

New Commissioned Services are not expected to start in 2026, instead the second phase of Commissioned Services is initiated in 2027 to allow project planning and resource allocation to reflect outcomes and feedback from the Programme mid-term review in spring 2026.

6. General Reserve

ELIXIR is exposed to a number of financial risks, principally the delayed payments of Member State contributions, the exchange-rate exposure of Sterling vs. the Euro, exposure to inflationary risk, and the dynamic nature of ELIXIR operations. ELIXIR needs sufficient cash reserves to cover for these exposures to avoid financial problems, such as cross subsidisation of costs with EMBL and unapproved borrowings¹³. The balance at the end of 2023 (€5,851k) represents 45% of ELIXIR operating costs and includes a cash reserve to meet outstanding commitments for Commissioned Services. The cash reserve at the end of the 2024-28 Programme (€2,520k) represents 20% of ELIXIR operating costs, or 3 months of operations.

¹³ ELIXIR ECA (Article 5.1.1) "Each ELIXIR Member State shall contribute annually to the ELIXIR Budget in accordance with the Financial Plan as described under Art. 7.1.1. The ELIXIR Member States are jointly responsible for ensuring that the ELIXIR Hub activities are sufficiently funded to maintain a positive cash balance."



7. Financial tables

Table I: Projected ELIXIR Financial Plan 2024-2028

Financial Plan 2024-28	2024 €000	2025 €000	2026 €000	2027 €000	2028 €000
<i>Income</i>					
Member State Contributions					
Ordinary Contributions	€7,830	€7,986	€8,146	€8,309	€8,475
External Grants	€2,988	€2,524	€2,219	€2,419	€2,531
Total Income	€10,817	€10,510	€10,365	€10,728	€11,005
<i>Internal Expenditure (Direct Costs)</i>					
Secretariat					
Salaries	€2,596	€2,553	€2,682	€2,925	€2,933
Running Costs	€262	€275	€289	€305	€319
Capital and Equipment	€50	€51	€52	€53	€54
Total Secretariat Costs	€2,908	€2,879	€3,023	€3,283	€3,306
Activities with Nodes					
Commissioned Services	€4,449	€757	€5,942	€3,987	€4,645
ELIXIR funded meetings (Platforms, Communities)	€106	€111	€116	€122	€127
Signature events (AHM, Biohackathon)	€594	€620	€650	€681	€711
Governance events	€106	€111	€116	€122	€127
Total Activities with Nodes	€5,254	€1,599	€6,823	€4,911	€5,610
Total Internal Expenditure before Support and Admin Infrastructure Costs	€8,162	€4,478	€9,846	€8,194	€8,916
Support and Admin Infrastructure Costs	€962	€844	€887	€906	€882
<i>Grants Expenditure</i>	€2,988	€2,524	€2,219	€2,419	€2,531
Total Expenditure	€12,112	€7,846	€12,952	€11,519	€12,329
Surplus/(Deficit)	-€1,294	€2,664	-€2,587	-€791	-€1,323
General Reserve					
Opening Balance	€5,851	€4,556	€7,221	€4,634	€3,843
Movement in Year	-€1,294	€2,664	-€2,587	-€791	-€1,323
Closing Balance	€4,557	€7,221	€4,634	€3,843	€2,520



Table II.a : Member State contributions for ELIXIR Members 2024-2028

Hub operating income from ECA signatories	2023 contribution (2019-23 Financial Plan)	Average NNI (2019-21) (Source: OECD)	2024	2025	2026	2027	2028
Total:	€ 7,672,514	\$13,609,872	€ 7,829,575	€ 7,986,163	€ 8,145,887	€ 8,308,804	€ 8,474,981
Belgium	€ 211,192	\$ 390,993	€224,933	€ 229,432	€234,020	€ 238,701	€ 243,475
Czech Republic	€ 74,005	\$ 168,598	€ 96,992	€98,932	€ 100,911	€ 102,929	€ 104,987
Denmark	€ 144,449	\$ 270,847	€ 155,815	€ 158,931	€ 162,109	€ 165,352	€ 168,659
Estonia	€ 10,071	\$22,917	€ 13,184	€ 13,448	€ 13,716	€ 13,991	€ 14,271
Finland	€ 104,009	\$ 191,624	€ 110,239	€ 112,443	€ 114,692	€ 116,986	€ 119,326
France	€ 1,172,000	\$ 1,998,181	€ 1,149,526	€ 1,172,516	€ 1,195,967	€ 1,219,886	€ 1,244,284
Germany	€ 1,622,425	\$ 2,992,487	€ 1,721,537	€ 1,755,967	€ 1,791,087	€ 1,826,908	€ 1,863,447
Greece	€ 93,970	\$ 145,316	€ 83,598	€ 85,270	€ 86,976	€ 88,715	€ 90,489
Hungary	€ 49,263	\$ 108,910	€ 62,654	€ 63,908	€ 65,186	€ 66,489	€ 67,819
Ireland	€ 86,399	\$ 193,536	€ 111,339	€ 113,565	€ 115,837	€ 118,153	€ 120,516
Israel	€ 134,146	\$ 326,037	€ 187,565	€ 191,316	€ 195,142	€ 199,045	€ 203,026
Italy	€ 866,268	\$ 1,462,998	€ 841,643	€ 858,475	€ 875,645	€ 893,158	€ 911,021
Luxembourg	€ 15,916	\$ 36,608	€ 21,060	€ 21,481	€ 21,911	€ 22,349	€ 22,796
Netherlands	€ 366,061	\$ 674,827	€ 388,219	€ 395,983	€ 403,903	€ 411,981	€ 420,220
Norway	€ 211,451	\$ 310,671	€ 178,725	€ 182,299	€ 185,945	€ 189,664	€ 193,457
Portugal	€ 88,673	\$ 159,122	€ 91,541	€ 93,372	€ 95,239	€ 97,144	€ 99,087
Slovenia	€ 18,189	\$ 38,429	€ 22,108	€ 22,550	€ 23,001	€ 23,461	€ 23,930
Spain	€ 569,175	\$ 1,018,031	€585,659	€597,372	€ 609,320	€ 621,506	€ 633,936
Sweden	€ 241,767	\$ 430,604	€ 247,721	€ 252,675	€ 257,728	€262,883	€ 268,141
Switzerland	€ 319,072	\$ 532,519	€ 306,351	€ 312,478	€ 318,727	€ 325,102	€ 331,604
United Kingdom*	€1,274,013	\$ 2,136,617	€ 1,229,166	€ 1,253,750	€ 1,278,825	€ 1,304,401	€ 1,330,489

*UK pays contribution in Sterling (ELIXIR/2015/28).

Note:

NNI is based on the most recent three-year period for which complete NNI data is available (period 2019-2021). The 2023 contribution to the 2019-23 Programme provided as a reference.



The recent application for ELIXIR Membership by Croatia is in the process of national ratification, and both ELIXIR Observers (Cyprus and Austria) are expected to transition to Members during the 2024-28 Programme. The incorporation of those countries as ECA signatories is expected to take place after the ELIXIR Board has approved the 2024-2028 Financial Plan, hence the contributions from those countries are listed in [Table II.b](#).

There is a strong interest from several other countries that could become ELIXIR Members during the 2024-28 Programme duration. Therefore, we also present below the Member State contributions from countries that have signalled interest without regard to their current status or timeline for membership application. Inclusion in Table II.b does not constitute a commitment towards an ELIXIR membership application, nor a commitment from the ELIXIR Board to accept such an application, it is solely included to provide prospective Member States within the European Union with clarity on the ELIXIR Member State contribution.

Table II.b: Prospective ECA signatories contributions 2024-28

Prospective ECA signatory	Average NNI (2019-21) (Source: OECD)	2024	2025	2026	2027	2028
*Austria	\$ 319,978	€ 183,995	€ 187,675	€ 191,428	€ 195,257	€ 199,162
Croatia	\$ 41,7790	€ 24,272	€ 24,757	€ 25,252	€ 25,757	€ 26,272
**Cyprus	\$ 18,384	€ 11,069	€ 11,401	€ 11,743	€ 12,095	€ 12,458
Latvia	\$ 23,415	€ 13,310	€ 13,576	€ 13,848	€ 14,125	€ 14,407
Poland	\$ 449,985	€ 259,159	€ 264,342	€ 269,629	€ 275,021	€ 280,522
Romania	\$ 190,266	€ 109,614	€ 111,806	€ 114,042	€ 116,323	€ 118,650
Slovak Republic	\$ 78,110	€ 44,629	€ 45,521	€ 46,432	€ 47,360	€ 48,307
Total	\$ 1,121,917	€ 646,048	€ 659,078	€ 672,374	€ 685,938	€ 699,778

*Austria became an Observer in April 2023, in parallel waiting for ratification of the ECA process to be finalised and is expected to assume the full membership role in the 2024-28 Programme.

**Cyprus was an Observer during the 2019-23 Programme; in the 2024-28 Programme it is expected for Cyprus to assume the full membership role.

Notes:

NNI is based on the most recent three-year period for which complete NNI data is available (period 2019-2021).



Annex to the ELIXIR 2024-28 Financial Plan

Calculation of the scale of contributions for ECA signatories



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1. Purpose of the document

Following a request from the ELIXIR Board (02/07/2018), this document is intended to present the current process for the calculation of the scale of the contribution of ELIXIR ECA signatories into the ELIXIR Budget and the actual calculations for the ELIXIR 2024-28 Programme.

2. Process to calculate the scale of the contributions

The scale of the contribution of ECA signatories is calculated based on the average Net National Income (NNI) at factor cost (see [Table](#)). The source of data is the [OECD](#) and the data considered is the previous 3 full years for which there is data available at the time that the first draft needs to be produced. If a Member State does not provide data to the OECD, their national statistics office will be requested to provide the equivalent data.

3. Scale of the contributions for the ELIXIR 2024-28 Financial Plan

For the ELIXIR 2024-28 Financial Plan, the calculation of the scale of contribution has been based on [OECD](#) data for the period of 2019-21. [Table](#) below shows the data downloaded from the [OECD](#) and the process for the calculation of the scale of contribution.



Table Member States' scale of contribution for the ELIXIR 2024-28 Financial Plan ([OECD](#))

Transaction	B5_NS1: Net national income at market prices			D21_D31: Taxes less subsidies on products							
Measure	CXC: US \$ Millions, current prices, current exchange rates			CXC: US \$ Millions, current prices, current exchange rates			CXC: US \$ Millions, current prices, current exchange rates			Average	Scale of Contribution
Frequency	Annual			Annual			Annual				%
Time	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019-21	2019-21
Belgium	440,647	424,735	483,830	57,463	53,828	64,944	383,184	370,907	418,886	390,993	2.87%
Czech Republic	186,986	180,773	210,227	24,359	22,100	25,734	162,627	158,672	184,493	168,598	1.24%
Denmark	297,602	304,871	353,990	44,888	46,615	52,419	252,714	258,256	301,571	270,847	1.99%
Estonia	25,518	25,554	30,170	4,080	3,826	4,587	21,438	21,729	25,583	22,917	0.17%
Finland	219,124	223,424	244,766	36,458	36,413	39,571	182,666	187,011	205,195	191,624	1.41%
France	2,284,303	2,157,709	2,473,622	300,429	284,393	336,268	1,983,875	1,873,316	2,137,354	1,998,181	14.68%
Germany	3,302,205	3,248,446	3,577,277	384,588	362,479	403,401	2,917,617	2,885,966	3,173,877	2,992,487	21.99%
Greece	173,310	157,907	182,579	27,430	23,207	27,211	145,880	134,699	155,368	145,316	1.07%
Hungary	133,749	126,104	144,847	25,484	24,517	27,971	108,265	101,588	116,876	108,910	0.80%
Ireland	208,907	199,383	250,062	25,967	22,583	29,194	182,940	176,800	220,868	193,536	1.42%
Israel	339,897	345,016	410,467	36,655	36,067	44,545	303,241	308,948	365,922	326,037	2.40%
Italy	1,674,260	1,557,865	1,764,060	207,416	180,900	218,874	1,466,844	1,376,965	1,545,186	1,462,998	10.75%
Luxembourg	38,536	41,950	49,789	6,337	6,436	7,677	32,200	35,514	41,112	36,608	0.27%
Netherlands	742,535	720,863	872,613	98,620	99,259	113,650	643,915	621,604	758,963	674,827	4.96%
Norway	347,284	308,321	414,589	45,300	42,898	49,984	301,984	265,423	364,606	310,671	2.28%
Portugal	191,417	180,301	201,623	32,284	29,413	34,279	159,133	150,889	167,344	159,122	1.17%
Slovenia	43,547	42,874	49,621	6,947	6,263	7,547	36,601	36,611	42,074	38,429	0.28%
Spain	1,184,441	1,057,390	1,191,566	129,740	111,848	137,715	1,054,701	945,542	1,053,851	1,018,031	7.48%
Sweden	459,140	470,774	554,654	59,736	61,468	71,551	399,404	409,306	483,102	430,604	3.16%
Switzerland	527,614	541,654	591,284	19,978	20,152	22,866	507,636	521,503	568,418	532,519	3.91%
UK	2,424,562	2,204,117	2,676,335	304,058	264,527	326,577	2,120,503	1,939,590	2,349,757	2,136,617	15.70%

NOTE: In the eventuality of a country joining ELIXIR after the scale of contributions have been agreed, its contribution will then be calculated based on its relative weight (after collecting the equivalent OECD data, for the same period) and added on top of the already agreed Budget.