**BioData.pt | ELIXIR Portugal Service Evaluation**

BioData.pt offers a list of services to the bioinformatics and life sciences research community. These services are listed in the BioData.pt web page and are divided into Node Services, a set of mature tools and resources reviewed by the BioData.pt’ Scientific Advisory Board (SAB) and included in the ELIXIR-PT Service Delivery Plan, and Community Services, tools and resources provided by the BioData.pt community.

All services listed by BioData.pt undergo a periodic evaluation to verify their technical and scientific quality, maturity, maintenance and impact. Community services with high evaluation results will be considered for inclusion as Node Services. Node services achieving very high maturity and impact will be considered for proposal as an ELIXIR Community Database (when established) and ELIXIR Core Data Resource.

This form gathers information to support the evaluation processes.

**Evaluation process**

Each service is assessed by at least 2 members of the [ELIXIR-PT Evaluation Board](https://biodata.pt/services/evaluation). The expertise of the board members will be considered when allocating service evaluations, except to avoid obvious conflicts of interest.

The service evaluation form consists of five sections: scientific focus, community served, quality of service, governance and sustainability, and plans and objectives. The first four sections cover largely the current status of the service and the last section allows you to describe your plans and goals, with a focus on innovations (user-oriented features, uniqueness), strategic importance for the Portuguese and European research community, strategic collaborations, impact, among other aspects.

Please complete the evaluation form below as completely as possible. This form is based on the ELIXIR Core Data Resources and Global Core Biodata Resources application forms. The completed form should be sent to ELIXIR Portugal’s Node Coordinator ([node@biodata.pt](mailto:node@biodata.pt)).

**SERVICE EVALUATION FORM**

General information

Name of the resource:

Website URL:

Year of establishment:

Team contacts and affiliations

Name:

Role (principal investigator, service manager, developer, …):

Institution:

Email:

(replicate to include all relevant contacts)

1. Scientific focus

*ELIXIR-PT Services have to demonstrate scientific excellence and impact, have a clear scope statement, and an international dimension.*

* 1. Type of resource: Deposition database

If other:

* 1. Scope: describe the scientific focus or domain covered by the resource, specifying characteristics that distinguish the resource from other resources with related focus. If relevant include the introductory documentation or “about” page url.  
     **(250 words max)**
  2. Key publications describing the resource **(up to five)**.

|  |  |  |
| --- | --- | --- |
| Year | Reference | DOI |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

* 1. Briefly describe any relevant recent activities and improvements or updates.  
     **(150 words max)**
  2. Staff effort: indicate the number of Full Time Equivalents (FTEs) working on the resource for each of the four previous years. As this may fluctuate throughout the year, please state this in terms of a nominal mean for that year. When possible, specify the role / position of the staff (rows 3-5 are examples, adjust as appropriate).

|  | 2021 | 2022 | 2023 | 2024 |
| --- | --- | --- | --- | --- |
| Total FTE |  |  |  |  |
| PI |  |  |  |  |
| Postdoc researcher |  |  |  |  |
| Developer |  |  |  |  |
| other… |  |  |  |  |

1. Community served by the resource

*ELIXIR-PT Services have to demonstrate benefit to the scientific community, illustrated for example by the geographical coverage of its users and interaction with other resources, and quantified objectively through usage indicators such as URL hits, downloads, registered users, and others.*

* 1. International dimension: describe in general terms the global characteristics of the resource, for example in terms of geographic diversity of users or of submitted data, relation to international consortia, etc.

**(250 words max)**

* 1. Tick the [ELIXIR Communities](https://elixir-europe.org/communities) potentially served by the service.

|  |  |  |
| --- | --- | --- |
| * 3D-BioInfo | * Human Copy Number Variation | * Proteomics |
| * Biodiversity | * Intrinsically Disordered Proteins | * Rare Diseases |
| * Cancer Data | * Metabolomics | * Research Data Management |
| * Federated Human Data | * Microbial Biotechnology | * Single-Cell Omics |
| * Food and Nutrition | * Microbiome | * Systems Biology |
| * Galaxy | * Plant Sciences | * Toxicology |

* 1. Dependency and interaction with other resources:
     1. Do other resources depend on the resource described here to provide that service? If yes, specify which ones, including an URL whenever possible.
     2. Does the resource described here link or work in synergy with other resources developed by the bioinformatics community? If yes, specify which ones, including an URL whenever possible.
  2. Objective usage indicators: Fill in all relevant indicators. Other specific indicators can be added to the table if considered more relevant.  
     1. Describe in general terms how the data access statistics and indicators are collected **(100 words max)**:
     2. Comment on the unavailability or difficulty in obtaining relevant indicators, if applicable **(100 words max)**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2021 | 2022 | 2023 | 2024 |
| Number of registered users |  |  |  |  |
| Number of active users |  |  |  |  |
| Number of user visits / sessions |  |  |  |  |
| Average session duration |  |  |  |  |
| Number of distinct user countries |  |  |  |  |
| Number of downloads |  |  |  |  |
| Volume of downloads (GB) |  |  |  |  |
| Number of training courses |  |  |  |  |
| Number of trainees |  |  |  |  |
| Number of trainee organisations |  |  |  |  |
| Number of citations in scientific literature |  |  |  |  |

1. Quality of service

*ELIXIR-PT Services have to be actively maintained with up-to-date data where appropriate, be in production state, accessible 24/7, with minimal downtime, be supported by a development and maintenance team, and have a life cycle management plan. If applicable, a service uses community-recognised standards for metadata and data making the scientific quality of the data and metadata reliable and consistent.*

* 1. Data volume: Fill in, as appropriate, the number of entries, depositions, records processed, genomes assembled, assays, and data volume in gigabytes or other standard units for each year indicated.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2021 | 2022 | 2023 | 2024 |
| Total number of entries / records |  |  |  |  |
| Total volume of data (GB) |  |  |  |  |
| Others that apply |  |  |  |  |

* 1. Technical performance: What was the average uptime over the last 12 months?
  2. Technical performance: What is the average response times for web pages that represent the typical web-base use case?
  3. Identifier use: Does the resource provide persistent and unique identifiers for the entities it stores? No
  4. Use of standards: Which community interoperability standards, ontologies and/or controlled vocabularies are used for metadata and data housed in the resource and/or requested as part of a data submission protocol.

Standards:   
If a standard is identified, describe in general terms or provide a link to documentation.

* 1. Provenance: Does the resource provide information on provenance (e.g. in scientific literature) of (meta)data or biological context? No  
     If yes, describe in general terms or provide a link to documentation.
  2. Does the resource provide versioning and/or evidence trails for modifications to datasets or data/metadata statements? No  
     If yes, describe in general terms or provide a link to documentation.
  3. Findability, accessibility, availability:
     1. Which data sharing services are used for sharing data (for example, API, FTP, Zenodo, …)?
     2. In which registries is the service registered (e.g. bio.tools, FAIRsharing.org)?
     3. Which data formats are available for download?
  4. Training
     1. Are training activities or materials available?  
        No
     2. How are training activities organised and publicised?
     3. How are training materials made available (e.g. TeSS)?
  5. User support: Which channels are available?
* Helpdesk
* User feedback
* Mailing list
* Others (specify):
  1. Are there any recent results of user feedback inquiries? No

If yes, provide a link or summarise the results.

* 1. Maintenance quality: Is there a maintenance SOP or plan, reflecting sustainability and scalability? No

If yes, describe in general terms or provide a link to documentation.

1. Governance and sustainability

*ELIXIR-PT Services have to demonstrate sustainability, adhere to Open Science and ethical principles, and have a well defined governance structure.*

* 1. Scientific Advisory Board: Does the resource have an international, independent Scientific Advisory Board? No  
     If yes, indicate URL for SAB, or a brief description.
  2. Open science: Does the resource have a legal framework that supports Open Science? No  
     If yes, indicate the resource’s open licences or public statements of open terms of use. Include a link to terms of use, or state data licence designation – e.g., “CCo” or “CC-BY”, if applicable.
  3. Open software: Is there an open repository for the source code? No  
     If yes, indicate the link to the repository.
  4. Privacy policy: Does the resource have a publicly available privacy policy in which security around personal data and cookies are described? No  
     If yes, indicate the URL.
  5. Ethics policy: Does the resource have an ethics policy that complies with all relevant international standards and best practices? No

If yes, indicate the URL if available.

* 1. Sustainable support and funding: List the past and future funding commitments and/or other commitments (e.g. co-funding) that support the resource by the host institution and/or other entities.
  2. International projects: Have you attracted funding and contracts (from funding agencies other than the Portuguese government or by companies) making use of the resources or expertise of the team?
  3. Which ELIXIR technical solutions and registries are implemented or used (for example, AAI, TeSS, bio.tools, …)?

1. Outline of the plans and objectives

Describe the plans for the next 12 month period, referring for example updates, new functionalities, training, projects and collaborations.

**(300 words max)**