



D3.4 EUBrazilOpenBio Software Platform Extensions

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Disclaimer

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This document contains information on core activities, findings, and outcomes of EUBrazilOpenBio project, and in some instances, distinguished experts forming part of the project's Strategic Advisory Board. Any references to content in both website content and documents should clearly indicate the authors, source, organization and date of publication.

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Deliverable Documentation

D3.4 'EUBrazilOpenBio Software Platform Extensions' consists of the collection of software artifacts that will be produced during the project timeframe as the result of Task T3.4 'EUBrazilOpenBio Software Platform Extensions Development'. These software artifacts include mediators interfacing with species data repositories (e.g. speciesLink, OBIS) for discovery purposes and mediators interfacing with cloud 'infrastructures' for executing niche modeling related tasks. These software artifacts together with the other software artifacts resulting from WP3 (Deliverables D3.2 'EUBrazilOpenBio Software Platform Core' [3] and D3.3 'Niche Modeling Services' [4]) will realize the EUBrazilOpenBio Software Platform. According to what is presented in D3.1 'Development Planning and Coordination' [2], the whole software development activity is continuous and governed by a flexible, agile-based¹ development methodology, meaning that software is produced through a number of subsequent yet short software development lifecycles. As a consequence of this:

- the list of software components that forms the EUBrazilOpenBio Software Platform is expected to change during the lifetime of the project due to the analysis and refinements of user requirements derived from the two use case specifications (D2.1 'Use Case Requirements Specification' [5]), the availability and characteristics of resources within the EUBrazilOpenBio infrastructure (D4.1 'Infrastructure Set-up, Planning and Coordination' [1]) as well as from the feedback resulting from the early exploitation of the released software artifacts through services hosted by the EUBrazilOpenBio infrastructure;
- multiple versions of the same software component may be produced during the project lifetime either to gradually enrich the set of facilities being offered or to revise the way a given facility is implemented to best meet its requirements, which includes, of course, bug fixing.

This deliverable is thus expected to be **continuously updated**. It is implemented by relying on a tool that enables the list of software artifacts to be update dynamically, provides users with the latest version of what has been released and developers with a history of changes. The deliverable is mainly realized as a wiki page linking the software artifacts residing in a software repository and the related documentation. It is available as an extension ("Software Products" section) of the Wiki page initially created for D3.1:

http://wiki.eubrazilopenbio.eu/index.php/Development_Planning_and_Coordination#Software_Products

The decision to go for a single page is driven by the goal to provide the user with a single point of access to the plan governing software development as well as to the ongoing results of this activity.

¹ Referring to no specific Agile development platforms, but to the general idea of quickly responding to changes in requirements.

References

- [1]. C. Boeres, V. Rebello, L. Candela. Infrastructure Set-up, Planning, and Coordination. D4.1 EUBrazilOpenBio Project Deliverable. January 2012.
- [2]. L. Candela, V. Rebello. Development Planning and Coordination. D3.1 EUBrazilOpenBio Project Deliverable. January 2012.
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- [4]. V. Rebello, R. De Giovanni, L. Candela. Niche Modelling Services. D3.3 EUBrazilOpenBio Project Deliverable. April 2012.
- [5]. E. Torres, I. Blanquer, L. Candela, R. De Giovanni. Use Case Requirements Specifications. D2.1 EUBrazilOpenBio Project Deliverable. January 2012.