

### EDAM, the life-science ontology for data analysis and management

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# EDAY, life sciences ontology for data analysis and management

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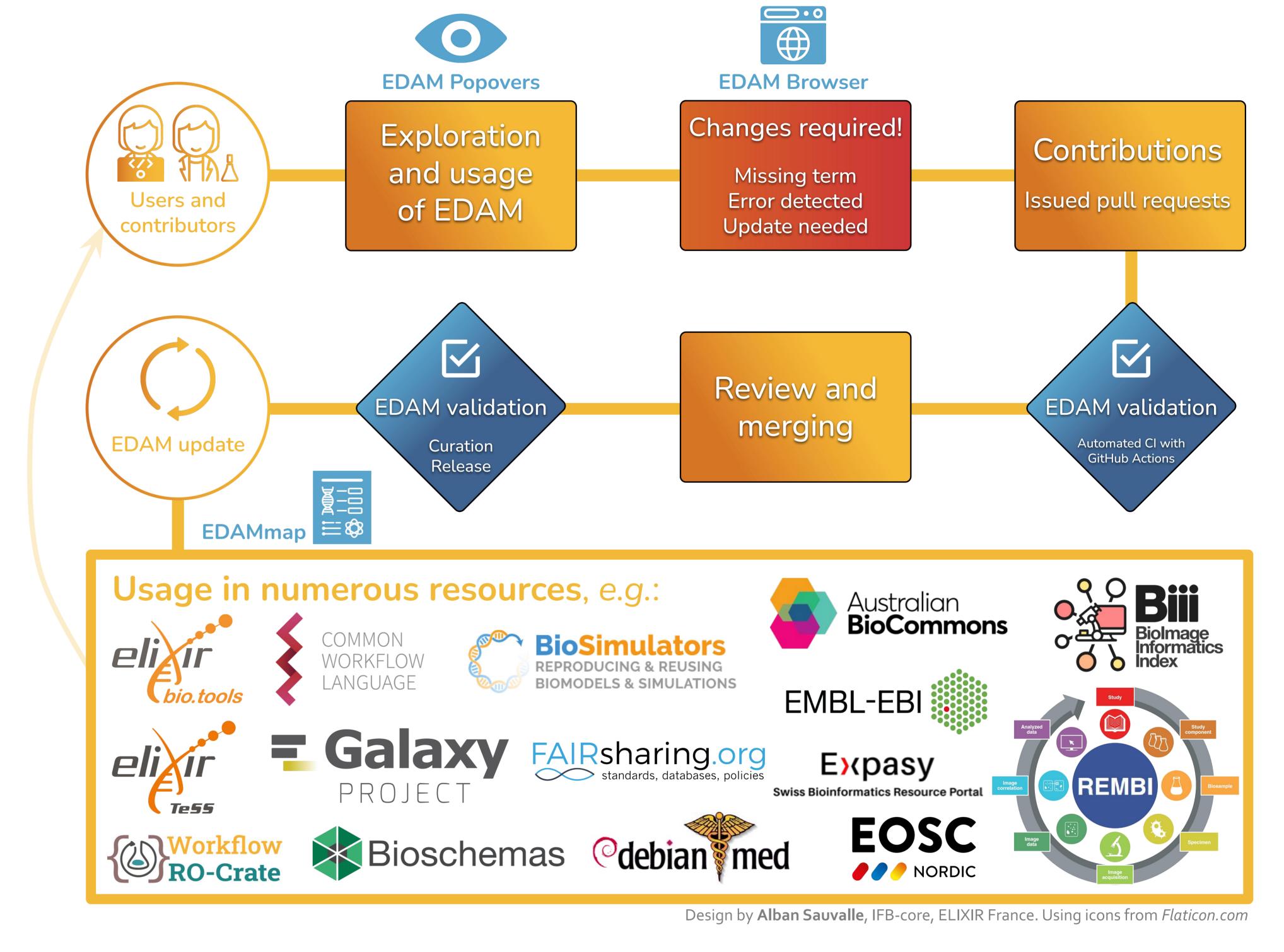
EDAM is an ontology of data analysis and data management, within and beyond life sciences. It comprises concepts related to data analysis, modelling, optimisation, and data life cycle. EDAM is a human and machine-actionable controlled vocabulary, used to annotate data, tools, workflows and training materials, so that they can be more easily found, reused, and combined.

EDAM is developed in a participatory and transparent fashion, within a broad and growing community of contributors from both inside and outside of ELIXIR.

Community extensions of EDAM are:

- EDAM Bioimaging (including machine learning)
- **EDAM Geo** for interdisciplinary applications, such as global and planetary health

The community-driven development comes with a set of challenges.

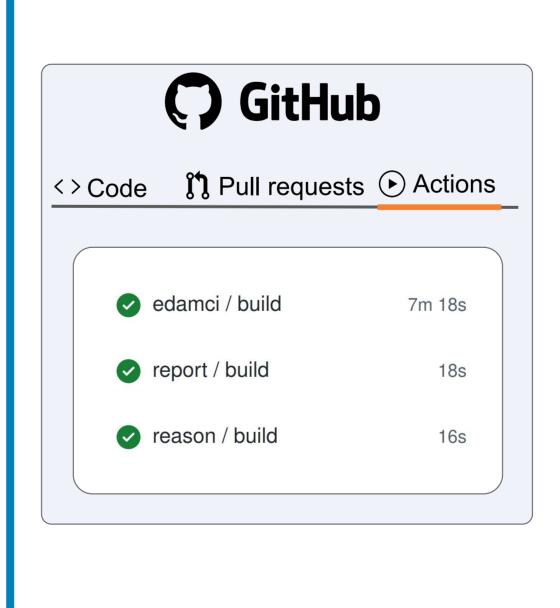


# To help the community use and contribute to EDAM, a set of tools are provided:

## **EDAM Browser** A web interface that lets users explore EDAM and its usage graphically. It also allows contributors to submit a suggestion to the GitHub repository using a graphical user interface. Bioinformatics Data Biology Format Biomedical science Biosciences-Operation EcologyMedicine EDAM O-Omics Informatics Literature and language Mathematics

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# **EDAM** validation



The quality-control tooling includes standard tools such as **ELK** and ROBOT, plus a custom validator working on both the syntactic and semantic levels. The validation tools are run by continuous integration (CI) workflows, using GitHub Actions. Additional tests are available for curation.

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