EDAM Browser: visualization of EDAM and annotated bioinformatics resources
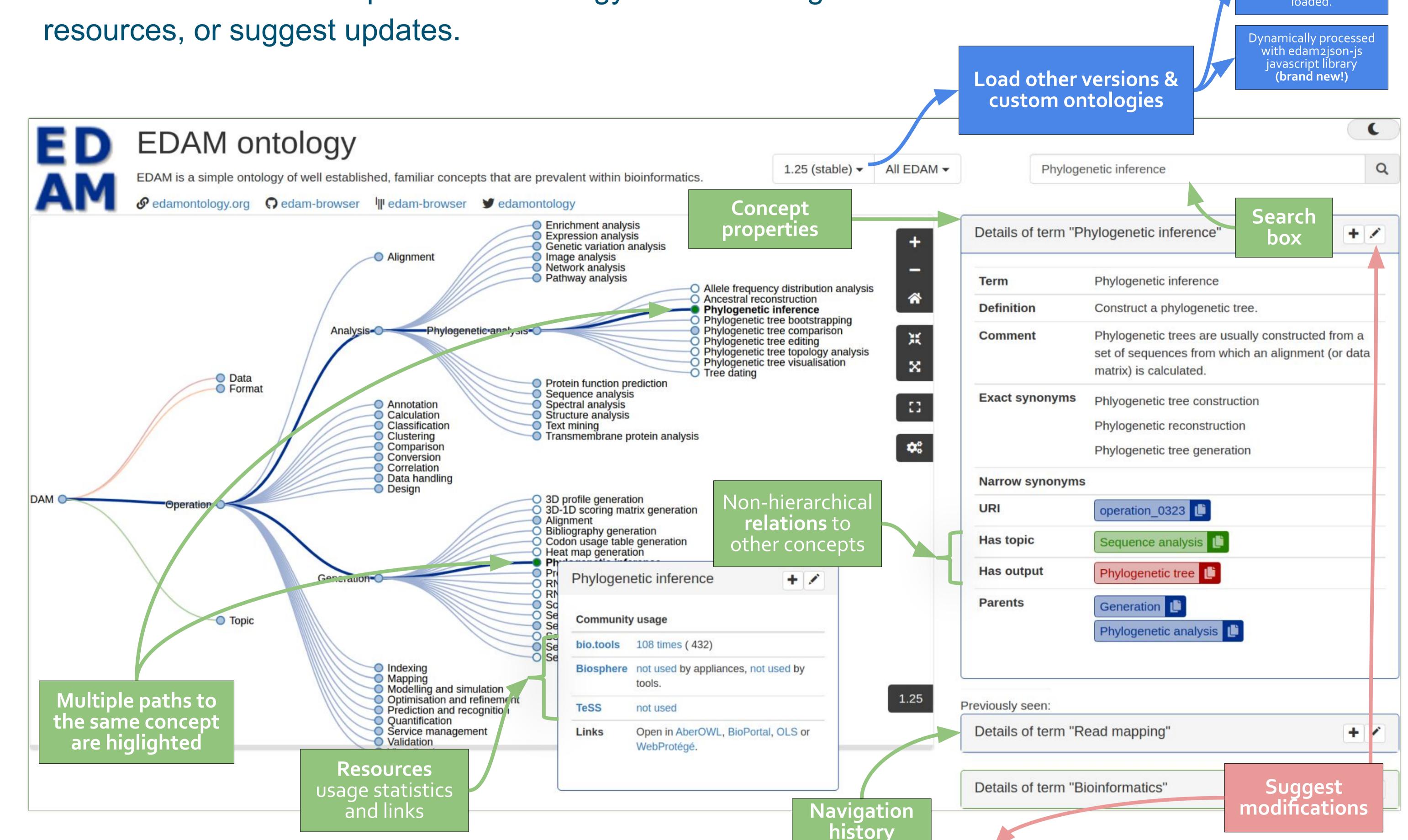
Hager Eldakroury[1], Sakshi Dhamija[2], Rashika Rathi[3], Drashti Patoliya[4], Sunday Cletus Nkwuda[5], Guneet Singh[6], Pooja Yadav[7], Kelly D'oleo[8], Marlene Cherop[9], Tawah Peggy Che Nico[10], Matúš Kalaš[11], Hervé Ménager[12], Bryan Brancotte[12]

An **interactive poster** is available at https://edamontology.org

What is EDAM Browser?

EDAM Browser is a **javascript**-based ontology browser that provides an interface to navigate **EDAM**. It is tailored to the needs of EDAM users who need to explore the ontology and its usage in various resources, or suggest updates.

- Load other versions & custom ontologies — Takes OWL file as an input and outputs the tree with the **custom version** loaded. Dynamically processed with edam2json-js javascript library (**brand new!**)
- Concept properties
- Search box
- Non-hierarchical **relations** to other concepts
- Multiple paths to the same concept are highlighted
- Resources usage statistics and links
- Navigation history
- Suggest modifications
- Creates an issue in the EDAM ontology

Simple and direct contribution mechanism to EDAM

Users can easily propose updates/corrections to a concept, thanks to a form which helps gathering suggestions. These suggestions are automatically formatted as GitHub issues ready to be submitted by the user.
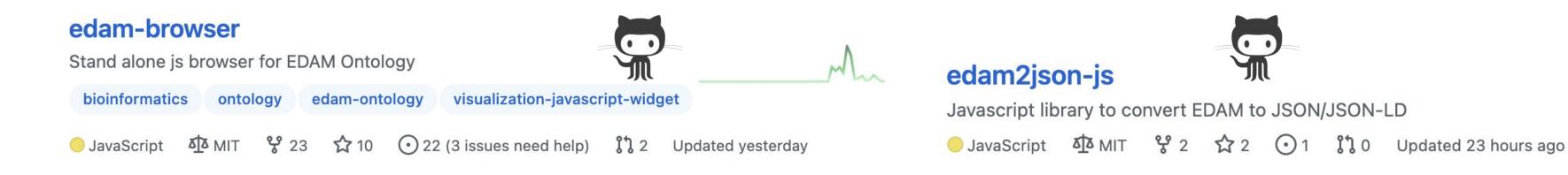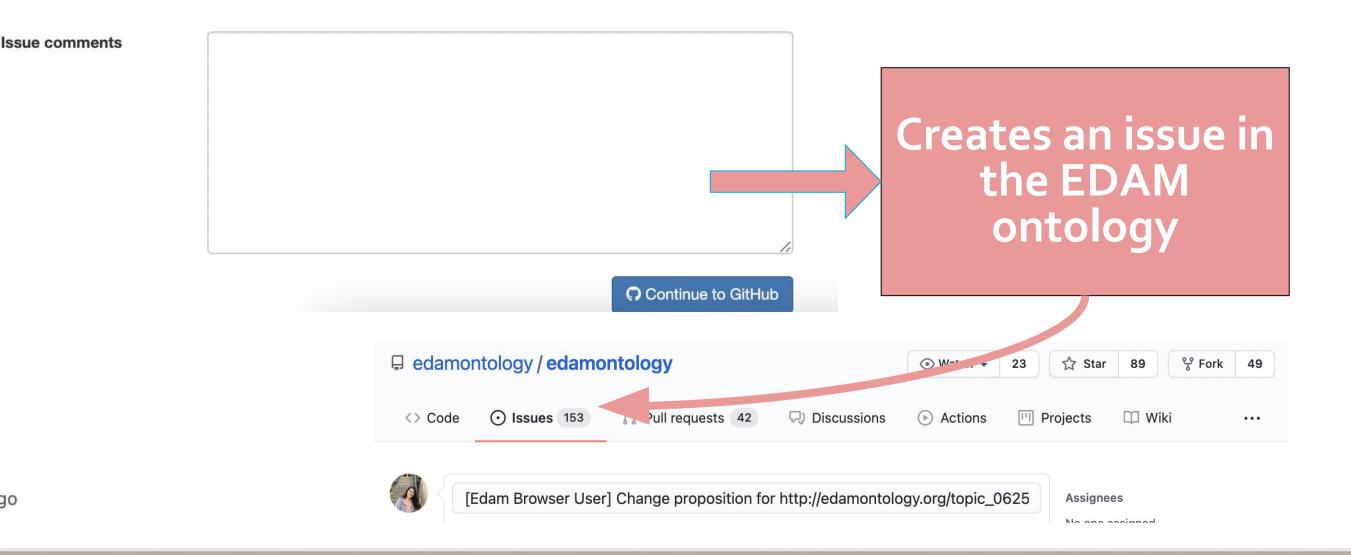
Open source and community-driven

EDAM Browser is available at
https://edamontology.github.io/edam-browser

Contributions are welcome! Join the chat on Gitter 👋🏽

edam-browser
Stand alone js browser for EDAM Ontology
bioinformatics   ontology   edam-ontology   visualization-javascript-widget

edam2json-js
Javascript library to convert EDAM to JSON/JSON-LD

[1]Ain Shams University, Outreachy intern (EDAM), Cairo, **Egypt**; [2]ABV - Indian Institute of Information Technology and Management, Gwalior, **India**; [3]Indian Institute of Technology, Mandi, **India**; [4]independent contributor, Surat, **India**; [5]freelancer, volunteer contributor, Outreachy intern (Debian), Kaduna, **Nigeria**; [6]independent contributor; [7]independent contributor, Outreachy intern (LLVM), Goa, **India**; [8]independent contributor, New York City, **United States**; [9]independent contributor, **Kenya**; [10]University of Buea, **Cameroon**; [11]University of Bergen, **Norway**; [12]Hub de Bioinformatique et Biostatistique, Département Biologie Computationnelle, Institut Pasteur, Paris, **France**.