

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 28, 2026

COEUS

RRID:SCR_006287

Type: Tool

Proper Citation

COEUS (RRID:SCR_006287)

Resource Information

URL: <http://bioinformatics.ua.pt/coeus/>

Proper Citation: COEUS (RRID:SCR_006287)

Description: A semantic web-powered knowledge management framework, aiming at a streamlined application development cycle and following a semantic web in a box approach. The framework provides a single package including advanced data integration and triplification tools, base ontologies, a web-oriented engine and a flexible exploration API. Resources can be integrated from heterogeneous sources, including CSV and XML files or SQL and SPARQL query results, and mapped directly to one or more ontologies. Advanced interoperability features include REST services, a SPARQL endpoint and LinkedData publication. These enable the creation of multiple applications for web, desktop or mobile environments, and empower a new knowledge federation layer. It is targeted at rapid application deployment of new applications in any research field, supported by a comprehensive integration engine and an advanced data distribution API.

Abbreviations: COEUS

Resource Type: software application, software resource

Defining Citation: [PMID:23244467](#)

Keywords: data integration, interoperability, ontology, semantic web, bioinformatics, biomedical, semantic web framework, rapid application deployment, linked data, web service, biomedical application, biomedical semantics, bio.tools

Availability: Open unspecified license

Resource Name: COEUS

Resource ID: SCR_006287

Alternate IDs: biotools:coeus, nlx_151933

Alternate URLs: <https://bio.tools/coeus>

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260727T040413+0000

Ratings and Alerts

No rating or validation information has been found for COEUS.

No alerts have been found for COEUS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Hindso TG, et al. (2025) Validation of Four Prognostic Models for Metastatic Posterior Uveal Melanoma in a Danish Cohort. Investigative ophthalmology & visual science, 66(5), 38.

Hindso TG, et al. (2025) 18F-FDG PET/CT assessment of metabolic tumor burden predicts survival in patients with metastatic posterior uveal melanoma. Scientific reports, 15(1), 4110.

Bol KF, et al. (2019) Real-World Impact of Immune Checkpoint Inhibitors in Metastatic Uveal Melanoma. Cancers, 11(10).

Sernadela P, et al. (2017) A semantic-based workflow for biomedical literature annotation. Database : the journal of biological databases and curation, 2017.

Sernadela P, et al. (2017) Linked Registries: Connecting Rare Diseases Patient Registries through a Semantic Web Layer. BioMed research international, 2017, 8327980.

Lopes P, et al. (2012) COEUS: "semantic web in a box" for biomedical applications. Journal of biomedical semantics, 3(1), 11.