

Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 2026

openMINDS metadata framework

RRID:SCR_023173

Type: Tool

Proper Citation

openMINDS metadata framework (RRID:SCR_023173)

Resource Information

URL: <https://github.com/openMetadataInitiative/openMINDS>

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Description: The openMINDS metadata framework comprises: schema specifications for multiple, interlocked metadata models for Linked Data, instance libraries for serviceable, well defined terms and constructs, as well as supportive tooling. openMINDS is developed as open source project by Open Metadata Initiative on GitHub. The framework is distributed over multiple, interlinked GitHub projects with one main GitHub repository for central access and maintenance.

Abbreviations: openMINDS

Synonyms: openMINDS metadata framework, open Metadata Initiative for Neuroscience Data Structures, openMINDS framework, openminds

Resource Type: data or information resource, narrative resource, standard specification

Keywords: open science, metadata schema, graph metadata model, serviceable terminology

Funding: European Union's Horizon 2020 Framework Programme for Research and Innovation - Human Brain Project SGA1 720270;
European Union's Horizon 2020 Framework Programme for Research and Innovation - Human Brain Project SGA2 785907;
European Union's Horizon 2020 Framework Programme for Research and Innovation - Human Brain Project SGA3 945539;
Helmholtz International BigBrain Analytics and Learning Laboratory (HIBALL) ;
European Union's Research and Innovation Program Horizon Europe - EBRAINS 2.0 101147319

Availability: Free, Available for download, Freely available,

Resource Name: openMINDS metadata framework

Resource ID: SCR_023173

Alternate URLs: <https://openminds.openmetadatainitiative.org/>

Old URLs: <https://github.com/HumanBrainProject/openMINDS>,
<https://wiki.ebrains.eu/bin/view/Collabs/openminds/>

License: MIT license

Record Creation Time: 20230125T050203+0000

Record Last Update: 20260729T044552+0000

Ratings and Alerts

No rating or validation information has been found for openMINDS metadata framework.

No alerts have been found for openMINDS metadata framework.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Kleven H, et al. (2024) Comparison of basal ganglia regions across murine brain atlases using metadata models and the Waxholm Space. Scientific data, 11(1), 1036.

Øvsthus M, et al. (2024) Spatially integrated cortico-subcortical tracing data for analyses of rodent brain topographical organization. Scientific data, 11(1), 1214.

Blixhavn CH, et al. (2024) The Locare workflow: representing neuroscience data locations as geometric objects in 3D brain atlases. Frontiers in neuroinformatics, 18, 1284107.

Kleven H, et al. (2023) AtOM, an ontology model to standardize use of brain atlases in tools, workflows, and data infrastructures. Scientific data, 10(1), 486.