Resource Summary Report

Generated by dkNET on Apr 29, 2025

Open metadata mark up language

RRID:SCR_001376
Type: Tool

Proper Citation

Open metadata mark up language (RRID:SCR_001376)

Resource Information

URL: http://www.g-node.org/projects/odml

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Description: Mark up language for collecting and exchanging metadata in an automated, computer-based fashion, developed for neuroscience, specifically, neurophysiology experiments. In odML arbitrary metadata information is stored as extended key-value pairs in a hierarchical structure. Central to odML is a clear separation of format and content, i.e., neither keys nor values are defined by the format. This makes odML flexible enough for storing all available metadata instantly without the necessity to submit new keys to an ontology or controlled terminology. Common standard keys can be defined in odML-terminologies for guaranteeing interoperability.

Abbreviations: odML

Synonyms: open metadata Markup Language

Resource Type: data or information resource, interchange format, markup language, standard specification, narrative resource

Defining Citation: PMID:21941477

Keywords: mark-up language, electrophysiology, neurophysiology, terminology, metadata, data sharing, interoperability, annotate, ontology

Funding: BMBF 01GQ0802;
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Resource Name: Open metadata mark up language

Resource ID: SCR_001376

Alternate IDs: nlx_152533

Record Creation Time: 20220129T080207+0000

Record Last Update: 20250429T054644+0000

Ratings and Alerts

No rating or validation information has been found for Open metadata mark up language.

No alerts have been found for Open metadata mark up language.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Pierré A, et al. (2024) A Perspective on Neuroscience Data Standardization with Neurodata Without Borders. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(38).

Niu B, et al. (2020) Glioma stages prediction based on machine learning algorithm combined with protein-protein interaction networks. Genomics, 112(1), 837.

Kong D, et al. (2019) Methanogenic community during the anaerobic digestion of different substrates and organic loading rates. MicrobiologyOpen, 8(5), e00709.

Dou Y, et al. (2019) Screening of disorders associated with osteosarcoma by integrated network analysis. Bioscience reports, 39(5).

Huang XB, et al. (2019) Identification of hepatitis B virus and liver cancer bridge molecules based on functional module network. World journal of gastroenterology, 25(33), 4921.

Sprenger J, et al. (2019) odMLtables: A User-Friendly Approach for Managing Metadata of Neurophysiological Experiments. Frontiers in neuroinformatics, 13, 62.

Hu Z, et al. (2018) Diversity of bacterial community during ensiling and subsequent exposure to air in whole-plant maize silage. Asian-Australasian journal of animal sciences, 31(9), 1464.

Brochier T, et al. (2018) Massively parallel recordings in macaque motor cortex during an instructed delayed reach-to-grasp task. Scientific data, 5, 180055.

Li Y, et al. (2018) Gcd Gene Diversity of Quinoprotein Glucose Dehydrogenase in the Sediment of Sancha Lake and Its Response to the Environment. International journal of environmental research and public health, 16(1).

Mou?ek R, et al. (2017) Event-related potential data from a guess the number brain-computer interface experiment on school children. Scientific data, 4, 160121.

Papež V, et al. (2017) Applying an Archetype-Based Approach to Electroencephalography/Event-Related Potential Experiments in the EEGBase Resource. Frontiers in neuroinformatics, 11, 24.

Zehl L, et al. (2016) Handling Metadata in a Neurophysiology Laboratory. Frontiers in neuroinformatics, 10, 26.

Bigdely-Shamlo N, et al. (2016) Preparing Laboratory and Real-World EEG Data for Large-Scale Analysis: A Containerized Approach. Frontiers in neuroinformatics, 10, 7.

Rübel O, et al. (2016) Methods for Specifying Scientific Data Standards and Modeling Relationships with Applications to Neuroscience. Frontiers in neuroinformatics, 10, 48.

Wiener M, et al. (2016) Enabling an Open Data Ecosystem for the Neurosciences. Neuron, 92(3), 617.

Maccione A, et al. (2015) Microelectronics, bioinformatics and neurocomputation for massive neuronal recordings in brain circuits with large scale multielectrode array probes. Brain research bulletin, 119(Pt B), 118.

Kocaturk M, et al. (2015) Toward Building Hybrid Biological/in silico Neural Networks for Motor Neuroprosthetic Control. Frontiers in neurorobotics, 9, 8.

Ježek P, et al. (2015) Semantic framework for mapping object-oriented model to semantic web languages. Frontiers in neuroinformatics, 9, 3.

Jayapandian C, et al. (2015) A scalable neuroinformatics data flow for electrophysiological signals using MapReduce. Frontiers in neuroinformatics, 9, 4.

Sobolev A, et al. (2014) Data management routines for reproducible research using the G-Node Python Client library. Frontiers in neuroinformatics, 8, 15.