

Resource Summary Report

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XooNlps - Neuroinformatics Base Platform System

RRID:SCR_013590

Type: Tool

Proper Citation

XooNlps - Neuroinformatics Base Platform System (RRID:SCR_013590)

Resource Information

URL: <http://xoonips.sourceforge.jp/>

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Description: Neuroinformatics (NI) is a new discipline that challenges the understanding of the structure and mechanism of the brain by combining neuroscience and information technology. The global collaborations in this field have been actively started with the support of the International Neuroinformatics Coordinating Facility (INCF) launched in November 2005. The Laboratory for Neuroinformatics at RIKEN Brain Science Institute (BSI) is involved in developing various cutting-edge technologies related to NI such as XooNlps. XooNlps succeeded the concept and basic feature of the vision science platform; Visiome, constructed by the NRV (i.e., Neuroinformatics Research in Vision) Project and has been developed based on a content management system (CMS); XOOPS, as infrastructure for NI databases to share different types of data on the Internet. :XooNlps has three features: :The first is the flexibility of developing databases. CMS-based XooNlps makes it easy to change the design or to extend the functions of databases by combining the different modules available on XOOPS. Therefore, even those who are not expert in computer system can develop their database on XooNlps. :The second is the diversity and extensibility of the data which can be handled by XooNlps. In order to handle different types of actual data, it provides not only the various data forms per se, but also the extension method to handle a new data form, which enables to deal easily with even a non-standardized data form. :The third is the facility to distribute metadata. XooNlps implements OAI-PMH (i.e., Open Archive Initiative-Protocol for Metadata Harvesting) which is one of the standard protocols to distribute metadata. This enables to collect information on other databases which are developed on XooNlps or to coordinate databases by exchanging metadata with other databases which implement OAI-PMH than those on XooNlps. :Since April 2007, Neuroinformatics Japan Center (NIJC) at RIKEN BSI takes charge of extending and maintaining XooNlps, and is committed to manage the documentation hereafter. :NIJC, as a national node of INCF, is developing and operating various NI platforms in neuroscience based on XooNlps to establish and facilitate NI research in Japan. XooNlps is also being applied to databases or organizational repositories in several institutions and universities, and laboratory

groupware in various fields. We hope XooNIps will be of universal use in and out of Japan.
:database; binary executable; software development tool; metadata; data set; :

Synonyms: XooNIps

Resource Type: software development tool, software application, software resource

Resource Name: XooNIps - Neuroinformatics Base Platform System

Resource ID: SCR_013590

Alternate IDs: nif-0000-00375

Record Creation Time: 20220129T080317+0000

Record Last Update: 20260810T040610+0000

Ratings and Alerts

No rating or validation information has been found for XooNIps - Neuroinformatics Base Platform System.

No alerts have been found for XooNIps - Neuroinformatics Base Platform System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Ahammad RU, et al. (2021) KANPHOS: A Database of Kinase-Associated Neural Protein Phosphorylation in the Brain. Cells, 11(1).