Resource Summary Report

Generated by NIF on May 3, 2025

XooNIps - Neuroinformatics Base Platform System

RRID:SCR_013590
Type: Tool

Proper Citation

XooNIps - Neuroinformatics Base Platform System (RRID:SCR_013590)

Resource Information

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

Proper Citation: XooNIps - Neuroinformatics Base Platform System (RRID:SCR_013590)

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 XooNIps. XooNIps 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. :XooNIps has three features: :The first is the flexibility of developing databases. CMS-based XooNIps 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 XooNIps. :The second is the diversity and extensibility of the data which can be handled by XooNIps. 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. XooNIps 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 XooNIps or to coordinate databases by exchanging metadata with other databases which implement OAI-PMH than those on XooNIps. :Since April 2007, Neuroinformatics Japan Center (NIJC) at RIKEN BSI takes charge of extending and maintaining XooNIps, 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 XooNIps to establish and facilitate NI research in Japan. XooNIps 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 resource, software development tool, software application

Funding:

Resource Name: XooNIps - Neuroinformatics Base Platform System

Resource ID: SCR_013590

Alternate IDs: nif-0000-00375

Record Creation Time: 20220129T080317+0000

Record Last Update: 20250503T060415+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).