

Next Generation XooNlps

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XooNlps is an easy-to-use open source software for building a database website with enormous volume of information in various electronic formats, such as experimental data, mathematical models, and for sharing them among worldwide users.

It has following seven major features:

- 1) Index Tree: for a better view of the inter-relationship among research resources,
- 2) Item-type: for a digital resources categorization,
- 3) flexibility of site policy definition,
- 4) three classified item accessibility levels, public, group and private,
- 5) extensible XOOPS architecture,
- 6) peer review system for item publication and user registration,
- 7) OAI-PMH protocol based cross-search system. XooNlps is currently used at about 10 INCF Japan

Node platforms. Moreover, the Library version is used for institutional repositories for more than 20 universities and institutes in Japan such as Keio University (KOARA) and Saitama University (SUCRA).

Since we opened the original XooNlps in 2005, we have had several requests to be improved such as increase of customizability, improvement of security, reduction of application cost, and so on. To address these issues, we focused following major new features:

- 1) XOOPS Cube Legacy 2.2 based architecture,
- 2) easy to create/modify the Item-type metadata schema,
- 3) customizable user profiles,
- 4) new peer review workflow system,
- 5) new interoperability function for Shibboleth SSO and REST, and so on.

XooNlps is an extended module of XOOPS Cube Legacy. XOOPS Cube Legacy is an OS independent CMS web application written in PHP. The recommended software environments are XOOPS Cube Legacy 2.2.3, Apache 2.2+, MySQL 5.5 and PHP 5.3. As the XooNlps is an open source project released under the GPL, all contributions and comments are warmly welcomed and appreciated. The latest version of next generation XooNlps is 4.00. It will be released on late this summer at <http://xoonips.sourceforge.jp>