Nesstar - a dissemination toolkit

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Nesstar – from tool to toolkit

Nesstar as a dissemination platform
Nesstar characteristics

DDI-driven

Supports remote analysis on microdata, cubes

Programmable over the web (or lan)
**Nesstar API (Java Based)**

This is the Java API for interacting with a Nesstar server.

See: Description

<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>com.nesstar.api</td>
<td>This is the main package containing the interfaces representing Nesstar entities, among other things.</td>
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<tr>
<td>com.nesstar.api.analysis</td>
<td>The part of the API that deals with results of microdata analysis.</td>
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<tr>
<td>com.nesstar.api.cube</td>
<td>This package contains classes relevant to aggregated data, i.e. cubes.</td>
</tr>
<tr>
<td>com.nesstar.api.publishing</td>
<td>This package contains classes relevant to the publishing of data to Nesstar servers.</td>
</tr>
<tr>
<td>com.nesstar.api.search</td>
<td>This package contains classes relevant to the search functionality of Nesstar.</td>
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<tr>
<td>com.nesstar.api.subset</td>
<td>This part of the API deals with case subsetting for analysis and data download.</td>
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</table>

This is the Java API for interacting with a Nesstar server. It is possible to build custom applications to harness or to do tailor made operations on the rich metadata stored in a Nesstar server. The Nesstar team has built a public API for this purpose. Currently the Nesstar API is an alpha release. However, it is extended with new functionality on a regular basis. The API also provides basic data support.
The API as an enabler for...

New applications/services

Integration with existing backend systems

Integration with existing frontend systems

*Additional APIs and interfaces*
New applications/services
New applications/services cont.

The DwB-portal (WP12)

OpenMetadata Survey Catalog

Migration tools

Indexing agents
Integration with backend systems

NSD WebSurvey (data collection tool)

Colectica

Various backend-systems at NSD
Integration with frontend systems (websites)

*Enriching web content with metadata snippets from Nesstar*

New European Social Survey website

NSD data discovery portal

We expect many more...
New APIs and interfaces
- building bridges

- **JSON/REST API**
  - No Java programming required; Javascript only
  - Powers Nesstar Touch (the new mobile web application)
  - Powers frontend integration at NSD + European Social Survey
  - Watch out for releases on nesstar.com

- **OAI-PMH (DDI + Dublin Core)**

- **Data Catalog RDF Vocabulary (DCAT)**

- **Data Cube RDF vocabulary**

- **DDI Discovery RDF Vocabulary**

- **SKOS, XKOS, Linked Open Data (and metadata)**

- Etc
Nesstar Touch - for mobile phones and tablets

«Post-PC-era»
Mobile-only usage on the rise
Nesstar Touch - Architecture

Browser

DOJO/Javascript

Nesstar Server

Nesstar REST/JSON API

Nesstar API

NSD
Norsk samfunnsvitenskapelig datatjeneste AS
NORWEGIAN SOCIAL SCIENCE DATA SERVICES
Nesstar Touch - Demo

http://tinyurl.com/NSDtouch
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http://nesstar.com/rss