

Nesstar - a dissemination toolkit

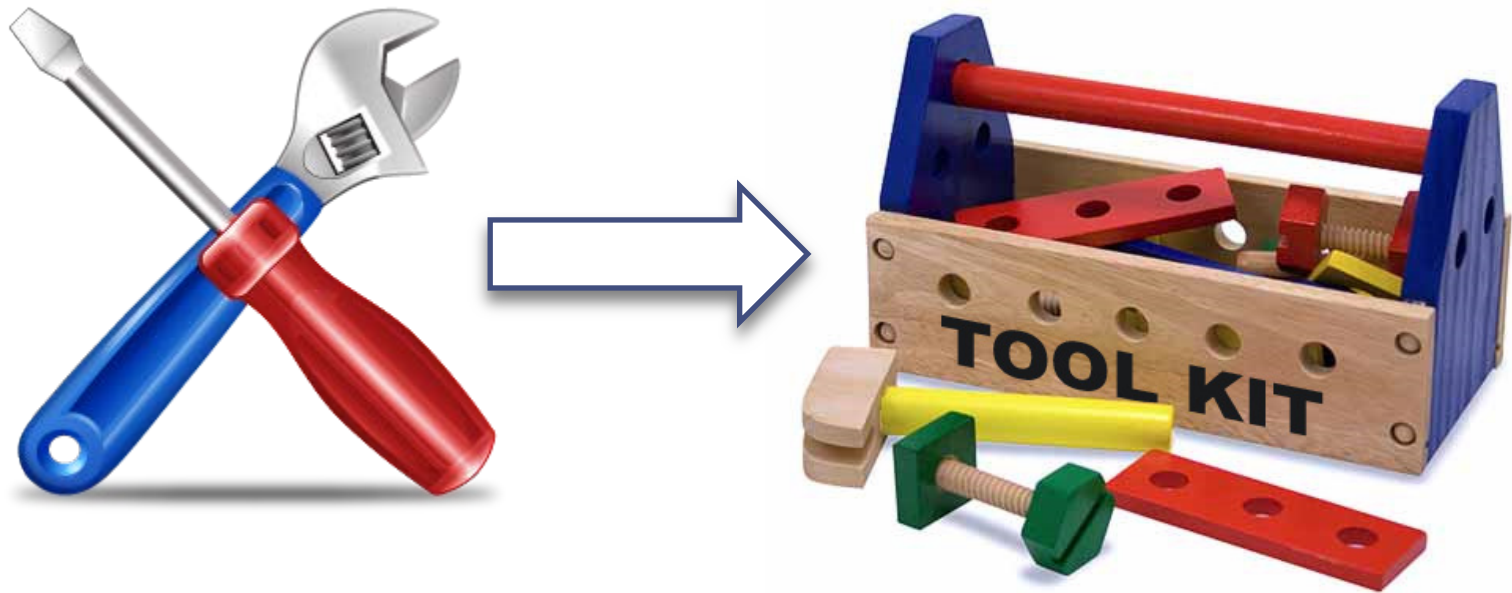
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Norwegian Social Science Data Services - NSD

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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 less)



Nesstar API (Java Based)

Nesstar API v0.6.4

All Classes

Packages

- com.nesstar.api
- com.nesstar.api.analysis
- com.nesstar.api.cube
- com.nesstar.api.publishing

All Classes

- Additivity
- Bank
- CaseSubset
- Category
- Cell
- CellNote
- ComplexDdiElement
- Concept
- Conjunction
- CorrelationBuilder
- CorrelationResult
- CSVFileDataSource
- Cube
- DataSource
- DDIConcept
- DdiElement
- DdiList
- DDI parsingException
- Dimension
- Disjunction
- DSPLConcept
- DSPLConcept

Overview Package Class Use Tree Deprecated Index Help

Prev Next Frames No Frames

Nesstar API v0.6.4

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

See: Description

Packages

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

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

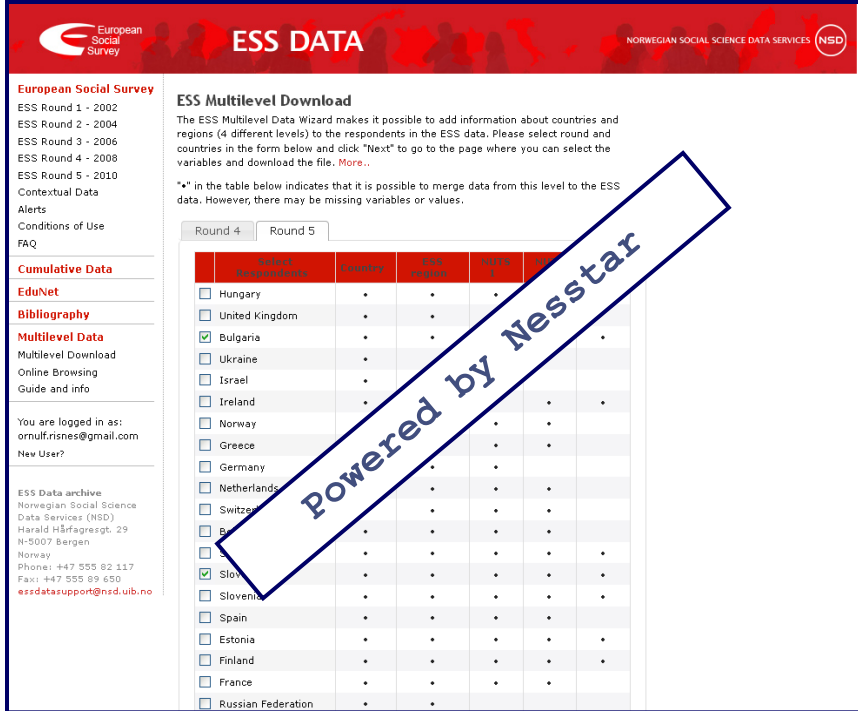
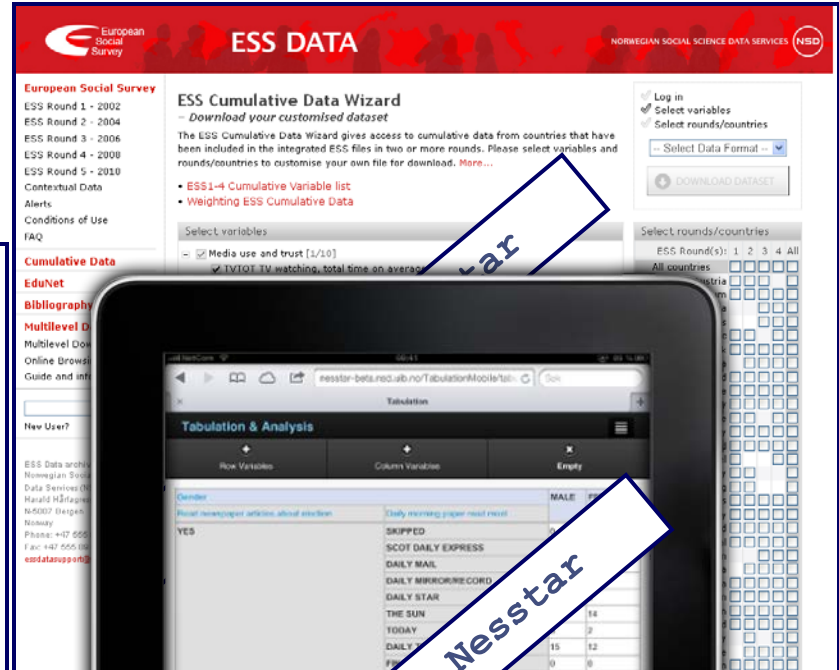
Integration with existing backend systems

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

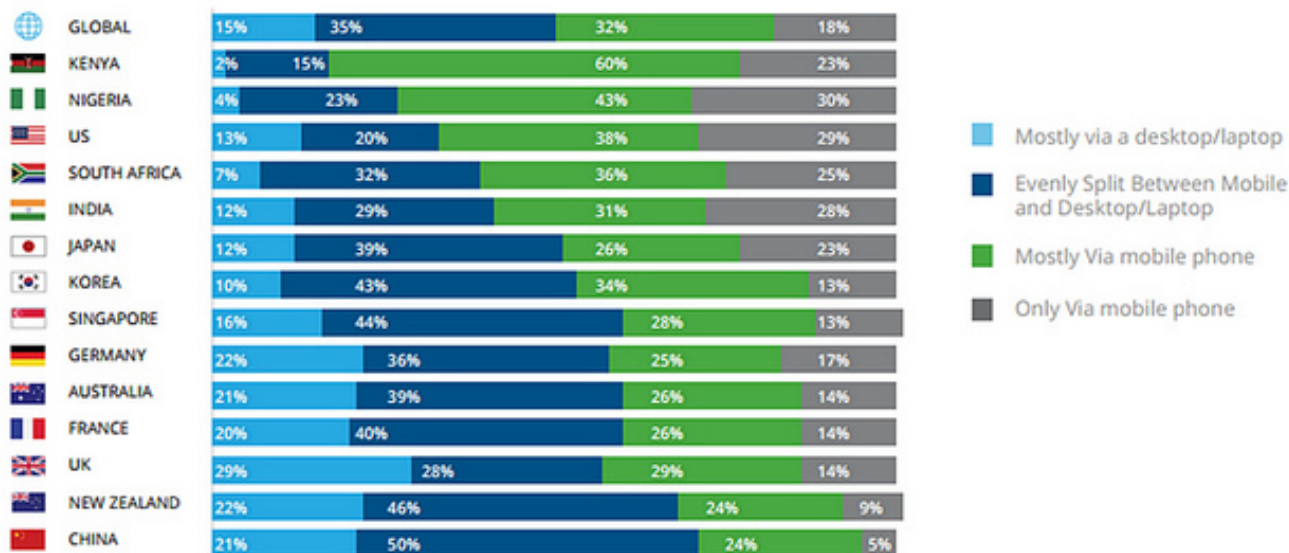
«Post-PC-era»

Mobile-only usage on the rise

Across Markets

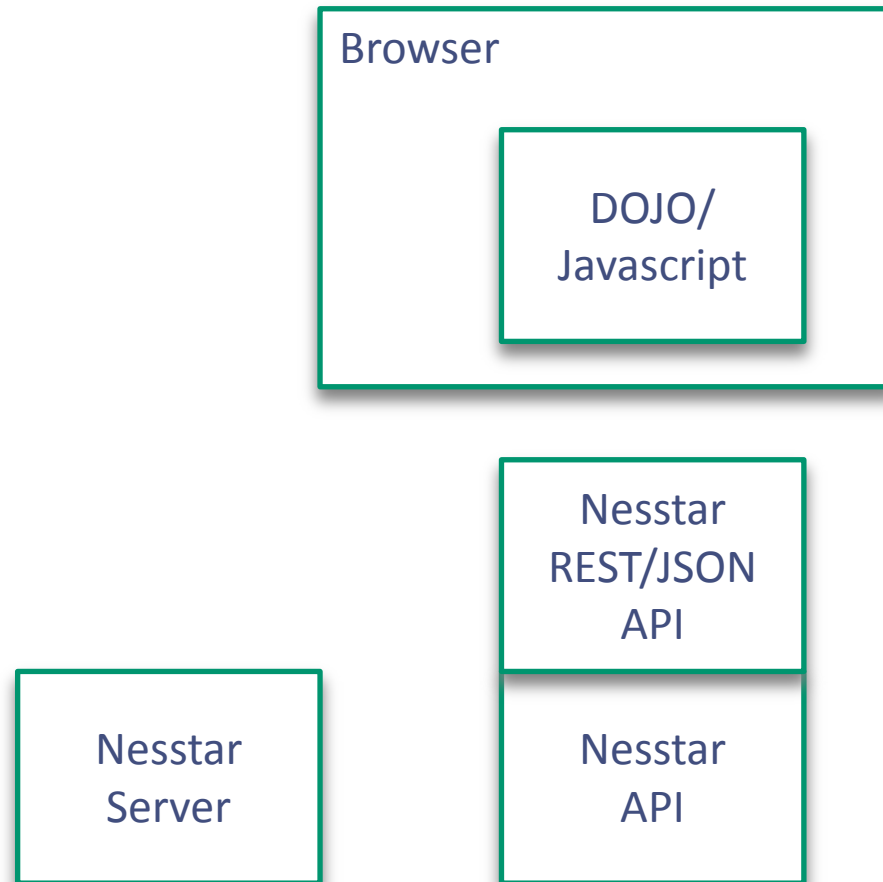
Mobile is becoming a major component of Internet behavior, especially in developing markets.

Q4: How do you typically go online to surf the web?



Sample size: Global n=14,632; Australia n=1,008; China n=2,001; France n=626; Germany n=411; India n=2,004; Japan n=1,010; Korea n=1,381; Kenya n=1,027; New Zealand n=763; Nigeria n=1,053; Singapore n=757; South Africa n=682; UK n=925; US n=984

Nesstar Touch - Architecture



Nesstar Touch - Demo

<http://tinyurl.com/NSDtouch>



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