# How can the DDI community take advantage of the native XML database eXist-db

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Olof Olsson, SND
Leif-Jöran Olsson, Språkbanken
Johan Fihn, SND

# New features in eXist since IASSIST

- 1.4.1
  - Better Referential Integrity, revised Database Shutdown and Crash Protection, new WebDAV implementation based on the Milton WebDAV library. The Lucene Full-Text Indexing has been made more robust and performant. It now also includes configurable analyzers and parameters, better match highlighting and additional functions for working with Lucene document fields. The betterFORM server-side XForms 1.1 engine is integrated and **enabled by default**.

# New features in eXist since IASSIST

- 1.5
  - Lucene indexing of binary files, e.g. pdf
  - eXide editing, app development, package management (xar archives) and repository installation (hot deploy) of these packages
  - svn extension, working copy in db etc
  - new authentication and access restriction model, allowing openid, oauth, ldap etc
  - Some XQuery 3 functions e.g. switch, try/catch, hof

  Will be reelased as new stable release 1.6 in beginning of 2012.

# OAI-PMH

- Provider
  - configuration per datatype available e.g. ddi, cmdi, meta-share etc
- Harvester

Next steps
- Package as apps

# DDI Stylesheets

News in the DDI 3.1 stylesheet

- ○ Translatable labels (re-use from icpsr stylesheet)
- ○ Support for more elements

To do:

- ● Better navigation (javascript)

- ● More parameters for different types of views

- ● Separation of the stylesheet

More info and download:

https://code.google.com/p/ddixslt

# Call for stylesheets for DDI

Need for stylesheets for DDI

Sugestions:
- Community developed stylesheets for DDI as a package on the alliance website?
- Official stylesheets for extraction / mapping of metadata to other formats from DDI?

# DDI3 based catalogue and Question Bank

Interface for search in questions, studies and variables based on a DDI3 collection

## Technical
- frontend jQuery
- backend in xQuery
- Lucene index



Demo:
http://snd.gu.se/qb

# xForms and DDI

Why xForms?

- Supports forms with complex logic – declarative markup
- Validates form data and gives immediate feedback
- Is XML – an XML-application
- Is device independent
- Is internationalization and accessibility ready

# Future plans for ddi-eXist

- Downloadable package from the repository
- Full featured services for search, filtering and indexing of DDI instances
- Better user interface for the question bank / catalouge
- More exports to other metadata formats

# Questions?