

WP7 – JRA2 – Publishing Tools

Report from **Uppsala** team (UU)

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WP7-UU tasks

- Management and coordination of WP7 activities (→ presentation by N. Piskunov)
- Development, testing and documenting a tool for importing new data
- Selection of an open source relational database and instrumenting it with the VAMDC interface and data importing tools

VAMDC activities with participation from UU

- Meeting in Moscow, Dec 2009
 - N. Piskunov from UU
 - first meeting dedicated to Publishing Tools
 - task identification, work format and coordination needs with other workpackages

VAMDC activities with UU cont'd

- Joint JRA1-JRA2 meeting, Paris, Feb 2010
 - N. Piskunov and Th. Marquart from UU
 - Development of schema, database query, etc. (JRA1) is important for Publishing tools (JRA2)
 - specific outcomes relevant for Publishing Tools: e.g. VAMDC database census (implemented by Th. Löfflinger, Vienna)
 - start of programming **database import tools** (e.g. ascii tables → XSAMS, Th. Marquart)

VAMDC activities with UU cont'd

- Joint JRA1-JRA2 workshop, Uppsala, April 2010 – see presentation by N. Piskunov
 - publishing tools improved (Th. Marquart)
 - **prototype import tool**: generic code (Python) to convert ascii files to database tables, using e.g. XSAMS keywords
 - tests with VALD data and two database softwares (MySQL and SQLite) successful, others can easily be implemented for further tests

Further activities of UU

- Participation in monthly telecons of EPT (Executive Project Team, Piskunov, Heiter)
- Participation in next JRA1-JRA2 workshop, Köln, May 2010
- Testing and selection of VAMDC "standard" database software (Marquart, Heiter, Stempels)

Further activities of UU cont'd

- Publishing tools documents in preparation
 - **Preparation rules for original data** (Piskunov, Marquart): e.g. requirements for data content, allowed units, bibliography. Probably for three categories of databases: “transitions”, “levels”, “bibliographical” (main difference is indexing).
 - **Guidelines for expert quality assessment** (Kochukhov): requirements for data quality for import of databases into VAMDC