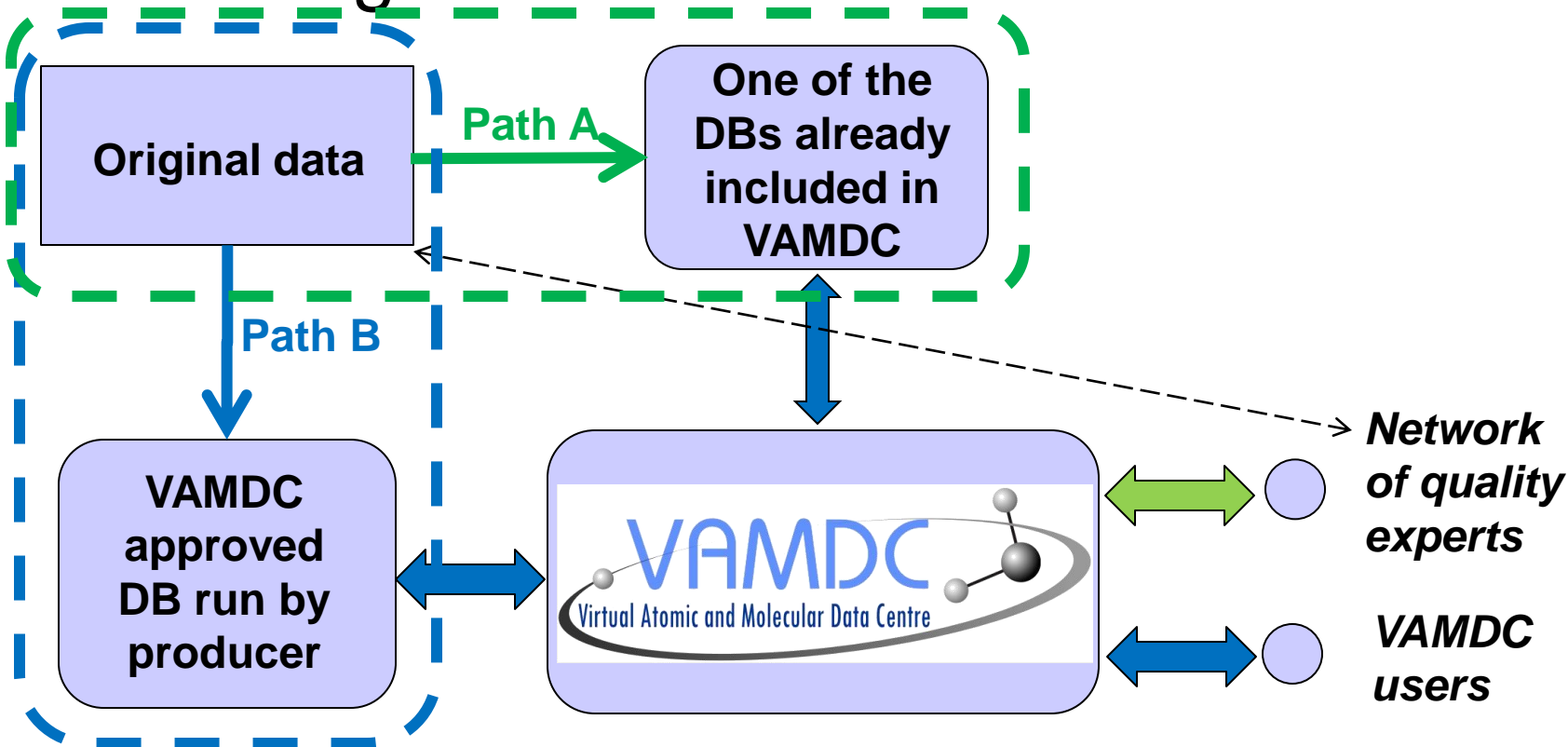# VAMDC WP7/JRA2
Publishing Tools

Uppsala University et al.

Nikolai Piskunov

The proposed solutions

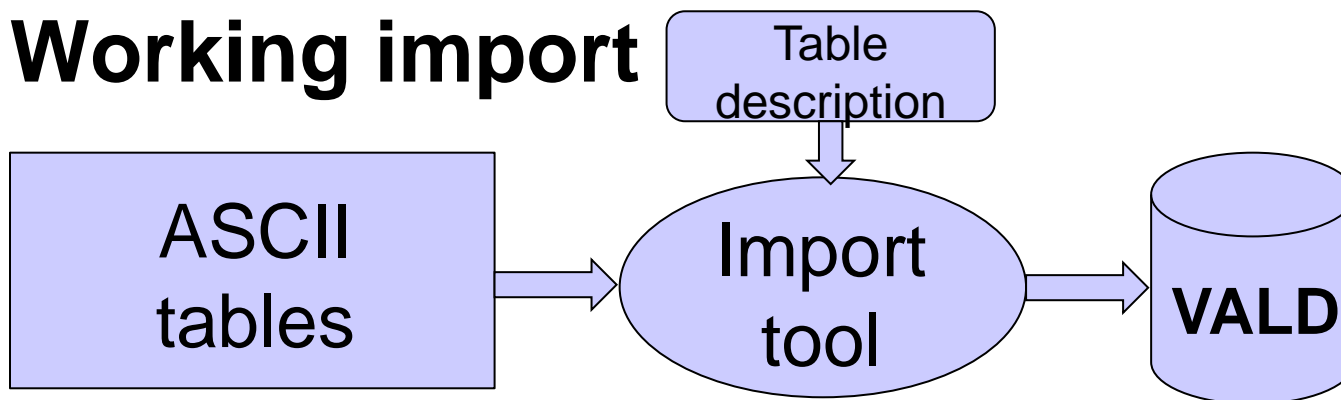## Publishing data in VAMDC:

Publishing tools components

- Import of external data
  - Reading ASCII tables
  - Reading XML (xSAMS)
  - Converting/importing directly to a DB
  - Converting to xSAMS*

- Preparation of a standard relational DB
  - Comparison between various DB candidates
  - Selection of DB
  - xSAMS* converter for the output
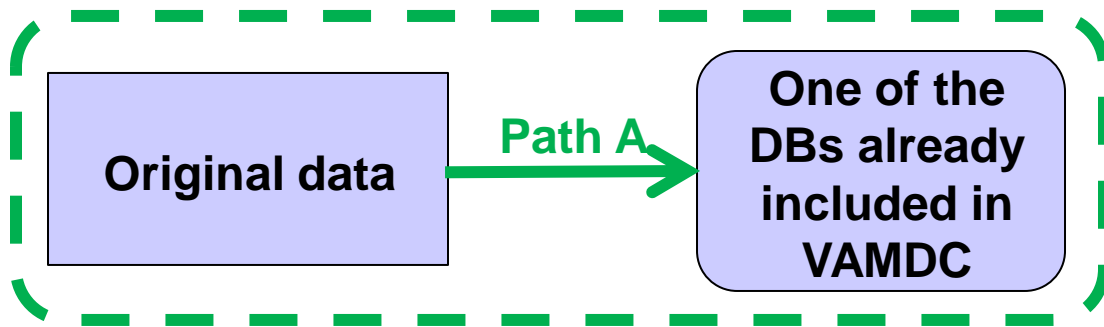 - "Receiver" (query language, registry content)

What was done? Path A
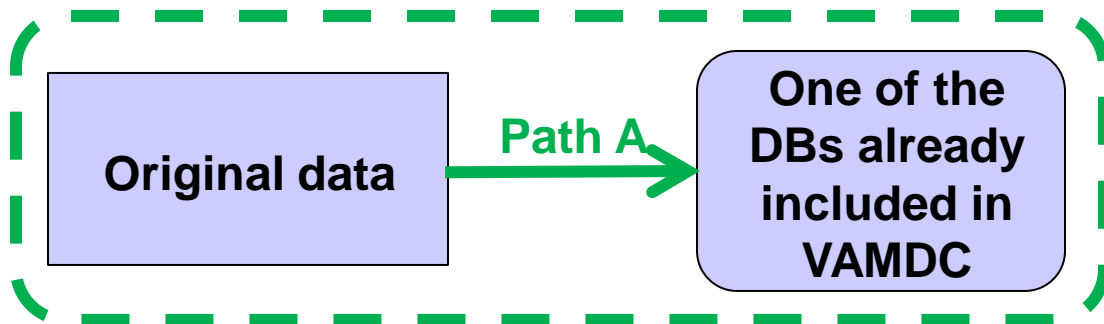
Publishing data in an existing DB

- **Working import**

Table description

ASCII tables → Import tool → **VALD**

- **Formal quality control combined with import** (IAO, Fazliev)

Original data → Path A → **One of the DBs already included in VAMDC**

What was done? Path A

Publishing data in an existing DB

- **xSAMS** converters:
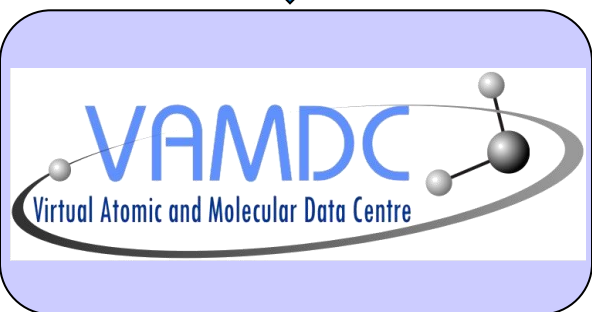 at least 4 working implementations but slow

- **xSAMS** import
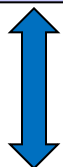
Original data	→ **Path A** → **One of the DBs already included in VAMDC**

What wasn't done: Path A
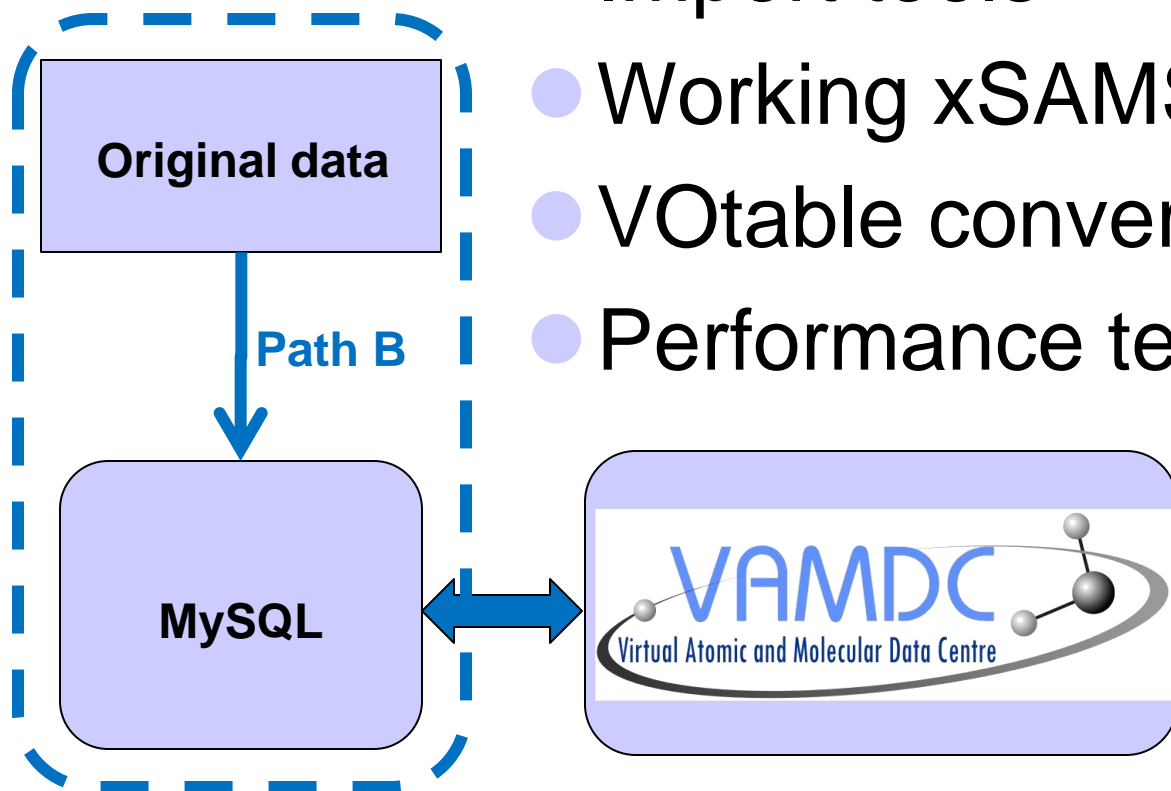
Publishing Tools

Communication VAMDC – DB

- "Receiver"/Query language
- Interaction with VAMDC
- Referencing
- Accounting
- Exclusive expert access to subset of data
- Guidelines for data publishers
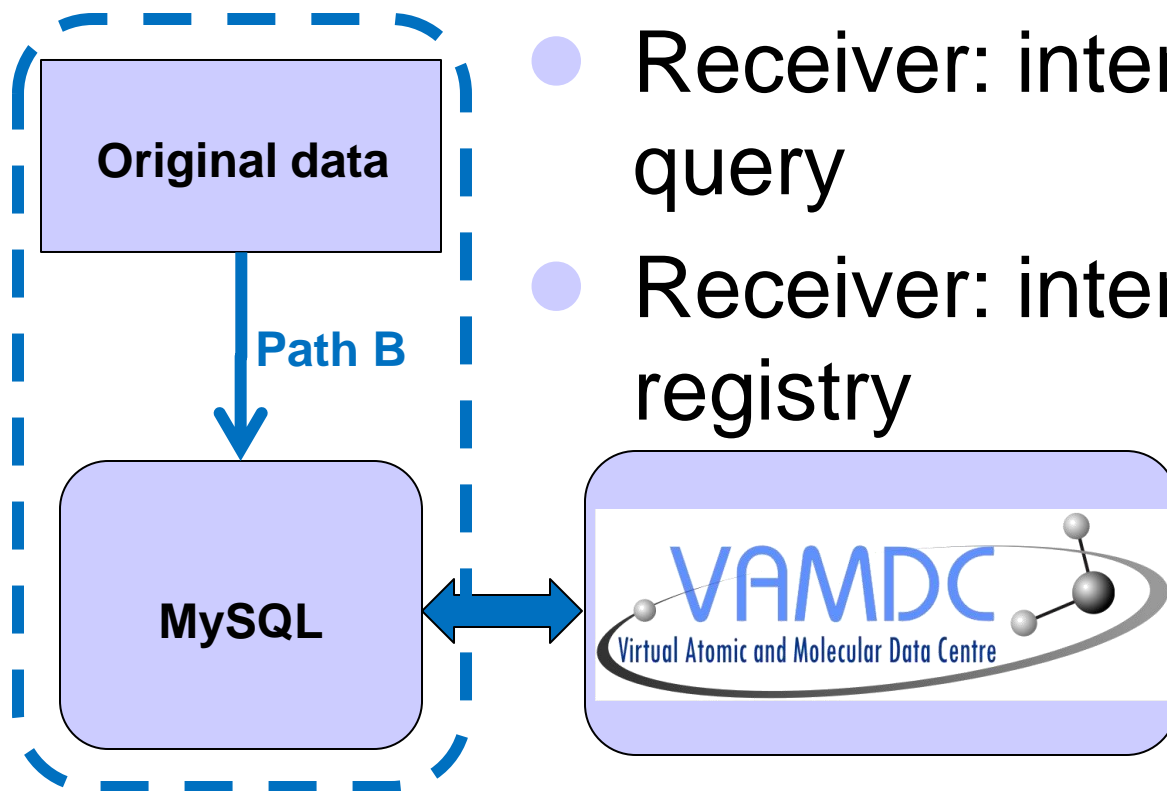
One of the DBs already included in VAMDC

VAMDC
Virtual Atomic and Molecular Data Centre

What was done: Path B

- Testing various options, including MySQL and SQLight
- Import tools
- Working xSAMS converter
- VOtable converter
- Performance tests

Original data

Path B

MySQL

What wasn't done: Path B

- Exhaustive tests of possible DBs

- Report on DB selection

- Receiver: interaction with query

- Receiver: interaction with registry

Original data

Path B

MySQL

WP7 management

- 3 workshops:
  - Moscow December 2009
  - Paris February 2010
  - Uppsala April 2010
  - Next in Cologne in May 2010
- Wiki: trying our best
- Sharing the new software
- Collaborating closely with JRA1