**People:** Jens Dittrich (w/ M. Salles, S. Karakashian et.al.)  
**Institution:** ETH Zurich / iMeMex.org  
**Project:** **iMeMex:** A Platform for Personal Dataspace Management

### Why/What?
- Current situation: jungle of data formats and technologies
- Many apps re-invent data managing technologies
- **Need a data-centric approach to PIM!**
- iMeMex = integrated memex
- Personal Dataspace Management System (PDSMS)

### Results so far
- Demo of iMeMex Prototype (VLDB 2005)
- Project supported by SNF (2006-2008)
- iDM: Unified and Versatile Data Model (VLDB 2006)
- Some ideas on query language
- Draft of architecture paper (in submission)

### How?
- Unified data model for all personal information
- On top of that: unified search, query and update language
- Abstracts from places, devices, formats, applications, access methods to enable a **Personal Dataspace**

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**Diagram:**

**ACID guarantees**
- **High**
  - Data Warehouse
  - Information Integration System
  - DBMS
  - Versioning System
- **Low**
  - Desktop Search Engine
  - File System

**Semantic Integration Requirements**
- **Low**
  - RSS 2.0
  - Unified Query Language
  - Unified Data Model
  - Files, XML, CSS, Java, CS, MP3, etc.

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