

InterMine

Generic object integration and warehousing

FlyMine

An integrated database for *Drosophila* and
Anopheles genomics

Richard Smith
Genetics Department,
University of Cambridge

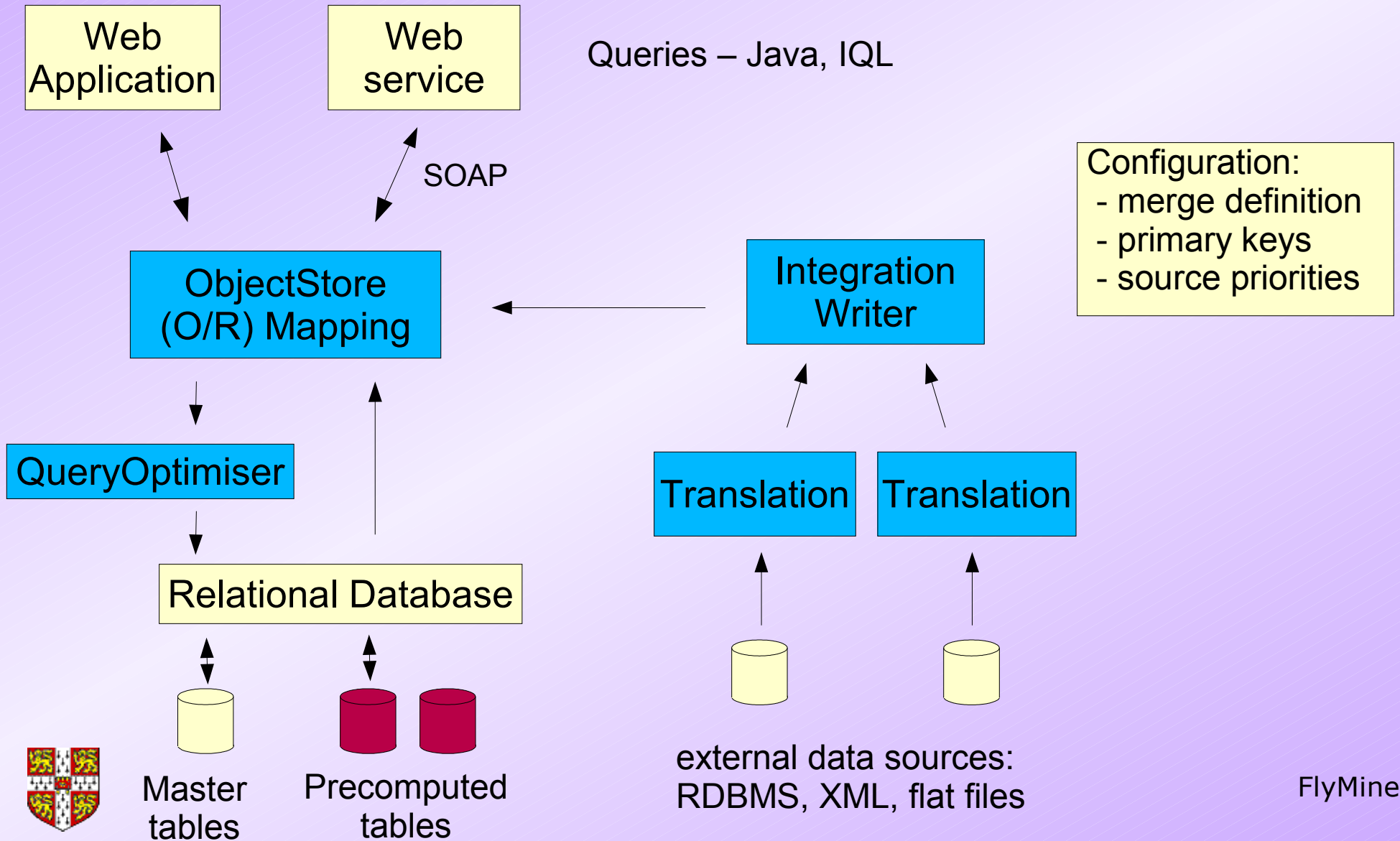


InterMine Features

- simple, configurable integration of multiple data sources
- powerful object based query system, not restricted to 'fill in the blanks'
 - web site
 - programming interface
 - query language (OQL-like)
- query optimisation for any model

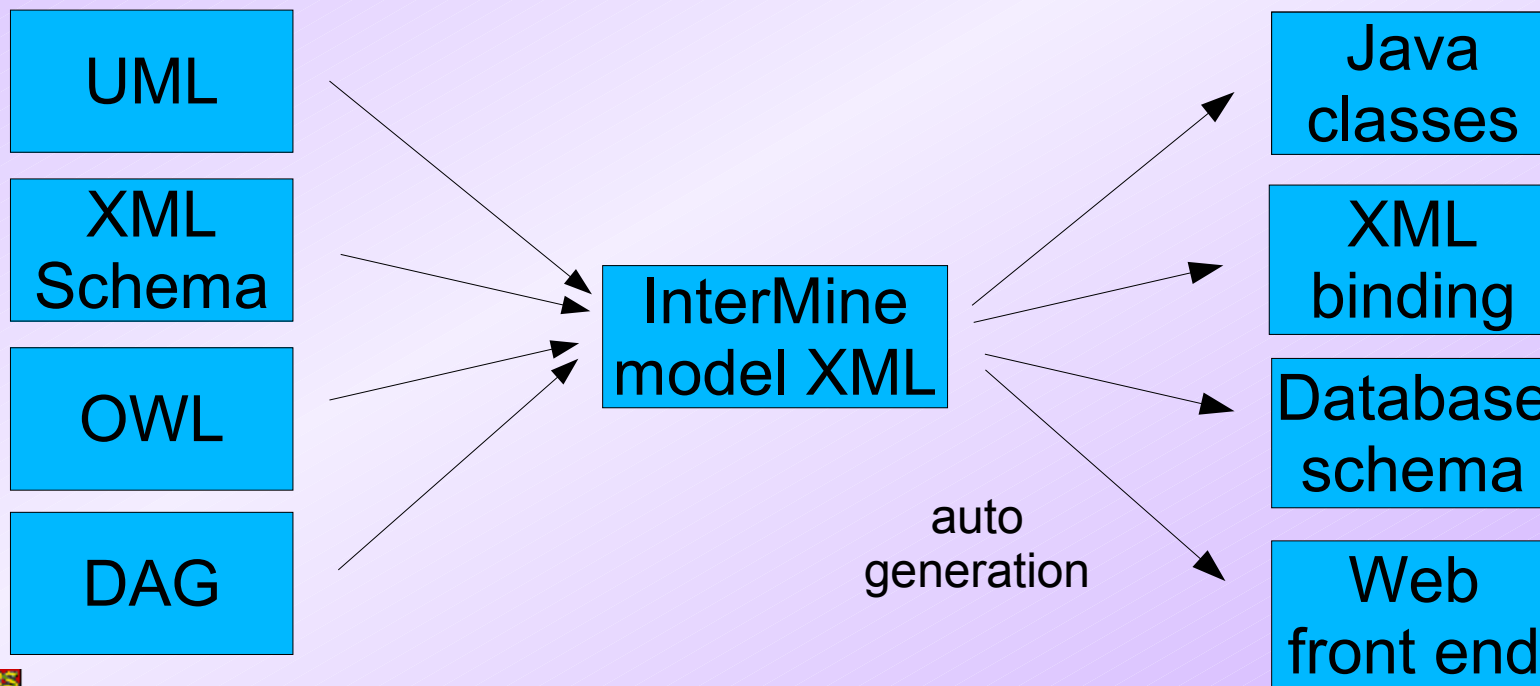


InterMine Architecture



Data Model Independent

- auto-generation from XML model definition
- configurable merging of multiple models



Web Application

InterMine

Object integration and warehousing software

[Home](#) [Current query](#) [New query](#) [Examples](#) [Log in](#) [Help](#)

Build your query using this page [[help...](#)]

Model browser

Click on "show" links to add fields to the results table

Employee [show](#) ↗
 age int [show](#) ↗
 ▣ department Department? [show](#) ↗
 ▣ company Company [show](#) ↗
 ▣ employees Employee collection [show](#) ↗
 ▣ manager Manager [show](#) ↗
 name String [show](#) ↗
 fullTime boolean [show](#) ↗
 name String [show](#) ↗

Constraints on the current query

Click on a class name to view its fields in the left-hand pane

Employee constrain ✖
 age int constrain ✖
 > 45 ✖
 department Department constrain ✖
 name String constrain ✖
 LIKE finance ✖

Fields selected for output

Use "<" and ">" to choose the output column order

Employee
[x]

Show results



Web Application

- navigate and query any InterMine model
- intuitive interface to create queries
- browse and export results
- save results as a bag – use in other queries and logical operations
- simple definition of 'templates'
- save queries, bags and templates



FlyMine

- *Drosophila* and *Anopheles* data
- extendible core model
- integrates standard formats
 - Sequence Ontology, ensembl, MAGE, PSI, GO
- customised InterMine web application
- future: chado, Uniprot, protein structures
- can be applied to other organisms



InterMine has been in active development for over 18 months. Implementation is in Java with JSP and Struts. All code is available under the LGPL

More information at www.intermine.org

Access the FlyMine Beta at www.flymine.org

The FlyMine team:

Richard Smith, Francois Guillier, Wenyan Ji, Rachel Lyne, Kim Rutherford, Matthew Wakeling, Mark Woodbridge, Andrew Varley, Gos Micklem



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