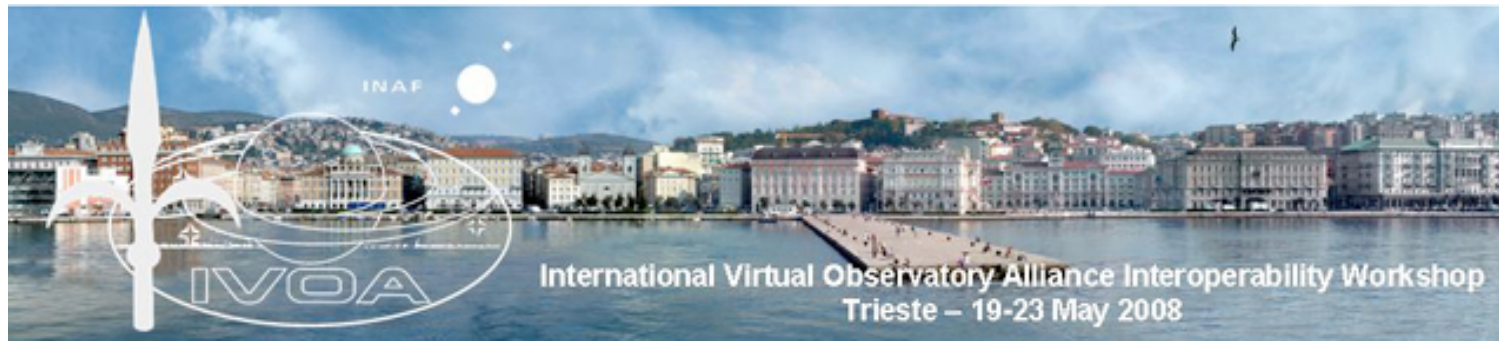


UML to 'VO' Transformer

XSLT Pipeline



**IVOA InterOp 2008 Meeting,
Data Models 3. Friday 23,
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Transformation Pipeline 1/2

Open Source Tools / Libraries :

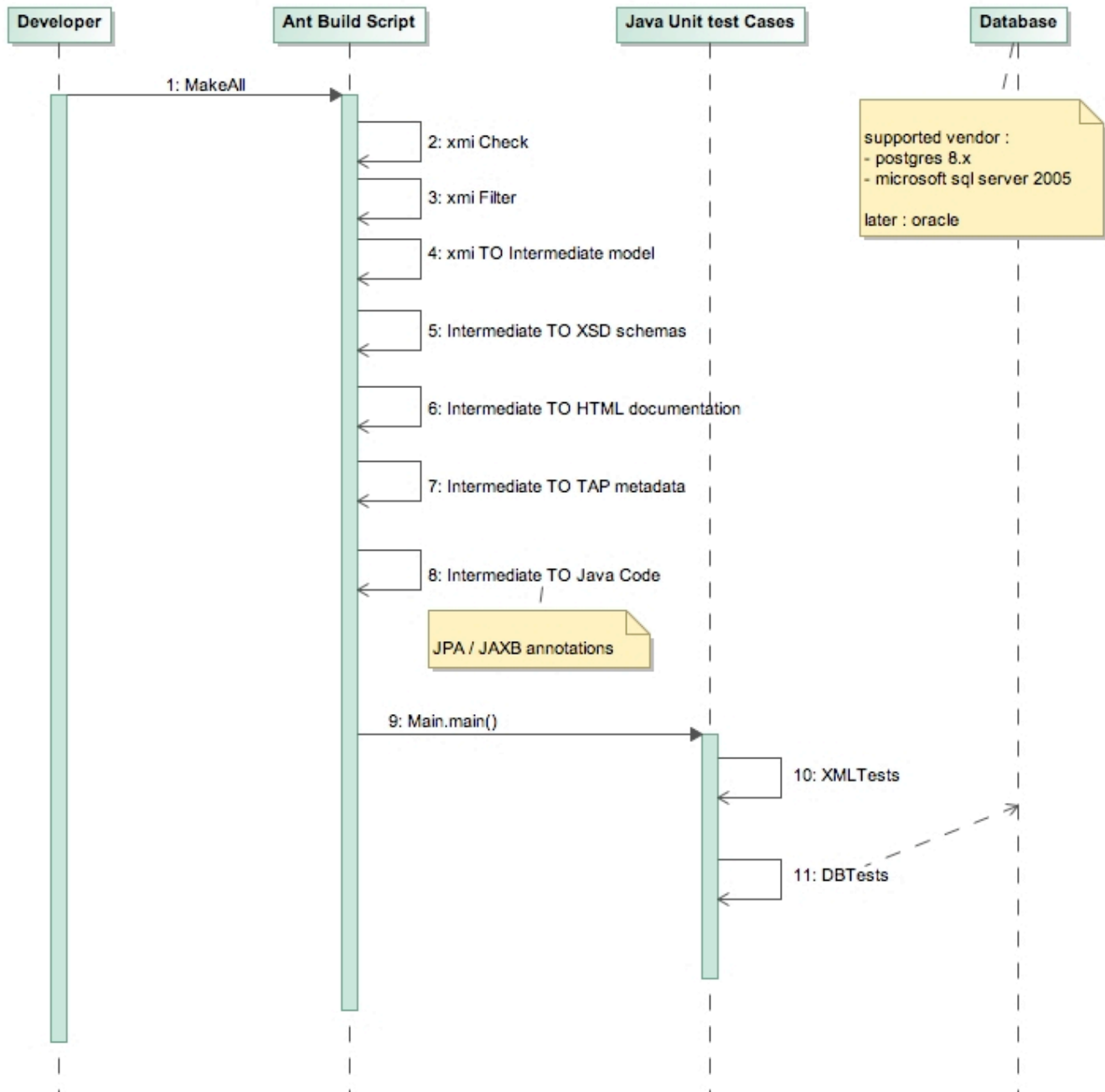
- Apache Ant (cross platform build tool)
- Saxon 9 (XSLT 2.0)

- JPA 1.0 (ORM) = eclipselink implementation, former full oracle top link commercial product (EclipseCon 2008, SANTA CLARA, CA – March 17, 2008)

- JAXB 2.1 (XML Bindings) = sun Reference Implementation 2.1.6

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interaction XSLT Pipeline [Sequence]



Conclusion

- UML can stay simple (profile) and is useful for Data model design
- Derived items :
 - XML schemas (xsd)
 - Documentation
 - Java Code (JPA, JAXB decorated)
 - DDL / SQL scripts (postgres or microsoft SQL Server, maybe oracle later)
 - Test code to validate generated code
- First release soon (asap) : June 2008
- Contributors are welcome
- Questions ?