



## The proposal

- To build an unique repository according to international standards
- To have an unique interface to access and query the repository
- To have the system available through the Web

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### **Contents**

- Introduction to the project
- Archive's Metadata
- XML throughout the project
- Storing the metadata
- Model evaluation
- Conclusions and future work

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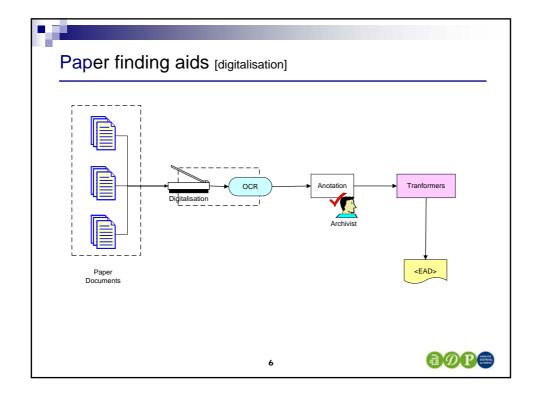


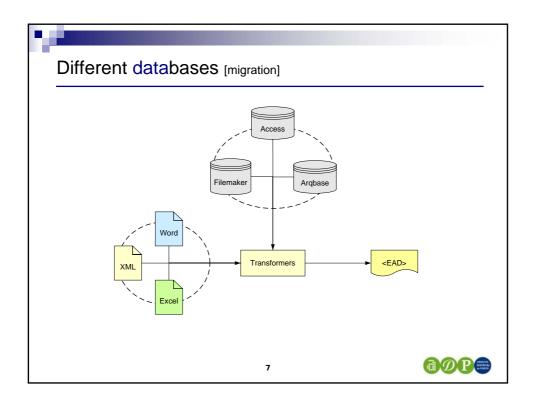
# DigitArq Project [main goals]

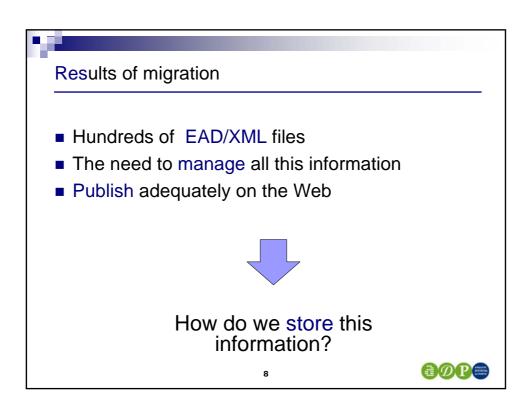
- Information centralisation
- International Standards
  - □ International Standard Archival Description ISAD(g)
  - □ Encoded Archival Description EAD/XML
- Paper use reduction/elimination
- Publish the archive's catalogue on the Web

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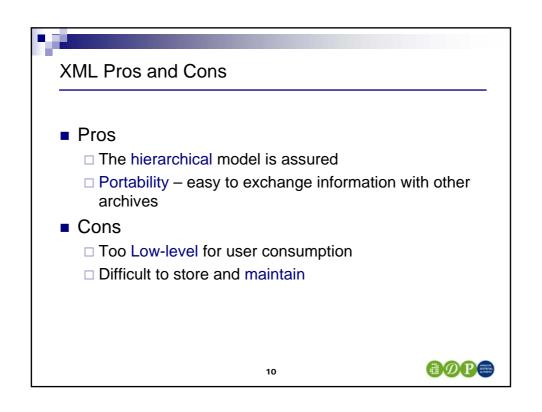


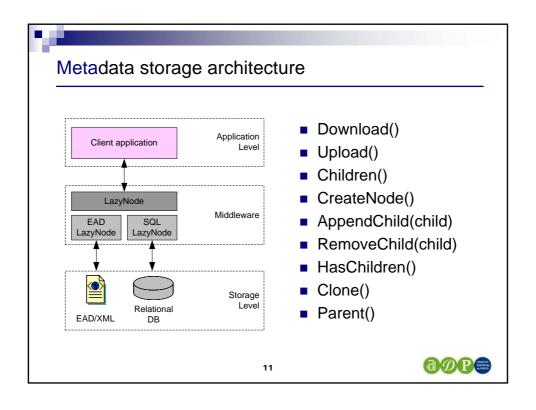


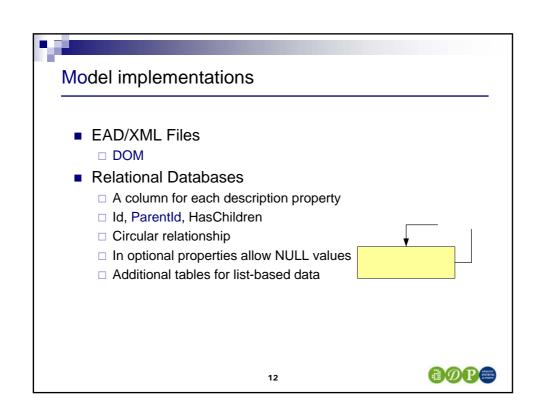




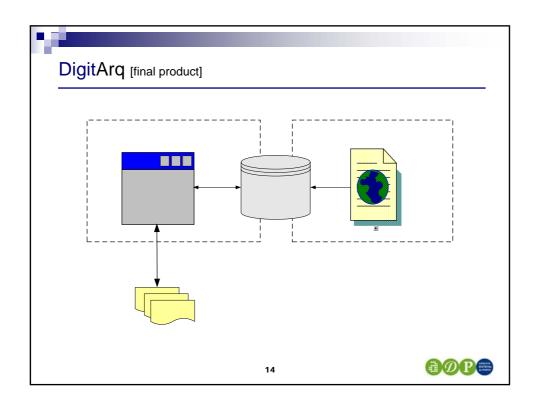
# Archival metadata (EAD) Hierarchical structure A top-down, general to specific description Organised in description levels Unit ID, title, unit dates, physical description, scope and content, etc.

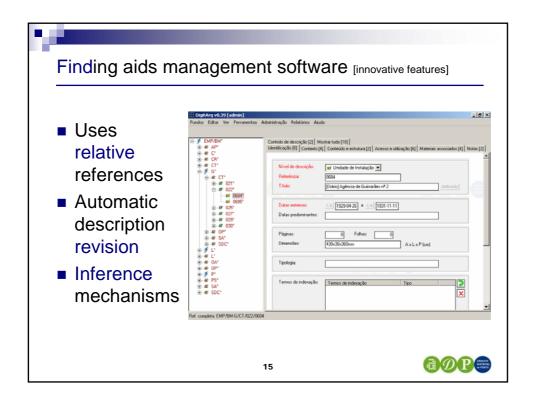


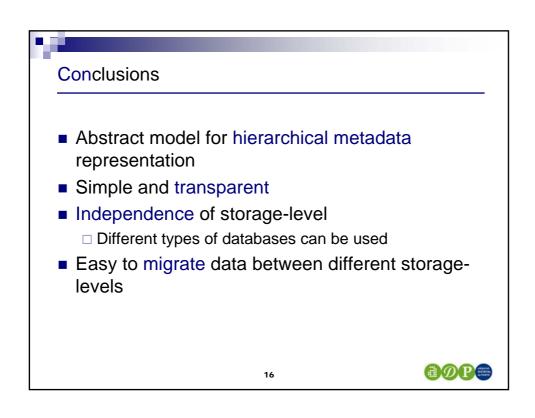




# Model evaluation Pros Simple to use and implement Accounts for the use of Catamorphisms Simplified migration of data between different storage-level types (e.g. relational vs XML) Cons Doesn't take full advantage of RDB Finding a particular records usually means traversing the whole tree of description









### **Future** work

- Model optimisation for Relation DB
  - □ Stored procedures
- Cache
  - ☐ Minimises traffic between application and DB
- Pre-loading
  - □ Predict what information is going to be requested next

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# Questions?

## **DIGITARQ**

# **Creating and Managing a Digital**Archive

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