

# Relational Modelling of Historical Data: A Technical Perspective

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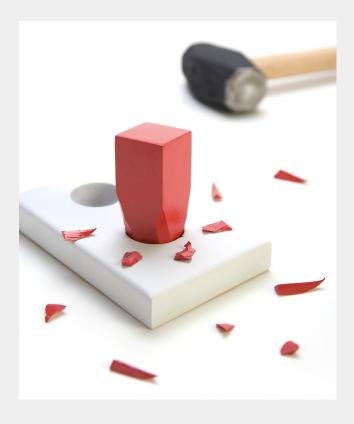






# **OpenAtlas Requirements**

- Compatibility with other systems
- Web interface for data entry





# **Pen and Paper**

- Very mature technology
- Well known and easy to set up
- Difficult to search
- Vullet
  <p







# Spreadsheet

- Well known, very widespread
- Structured and searchable
- Not well suited to models with more than 2-dimensional relationships
- Not compatible with other systems







#### **Database**

- Supports models with complex relationships
- Tools to ensure data integrity
- Requires expertise
- Compatibility is possible but difficult







# **Database+Sophisticated Model**

- Compatible with other systems that use the same model
- Easily expandable and adaptable
- Steep learning curve







#### CIDOC CRM

- Developed by ICOM since 1999
- ISO Standard 21127 since 2014
- Formalises exchange of cultural heritage data
- Defines entities that are linked via properties according to defined rules







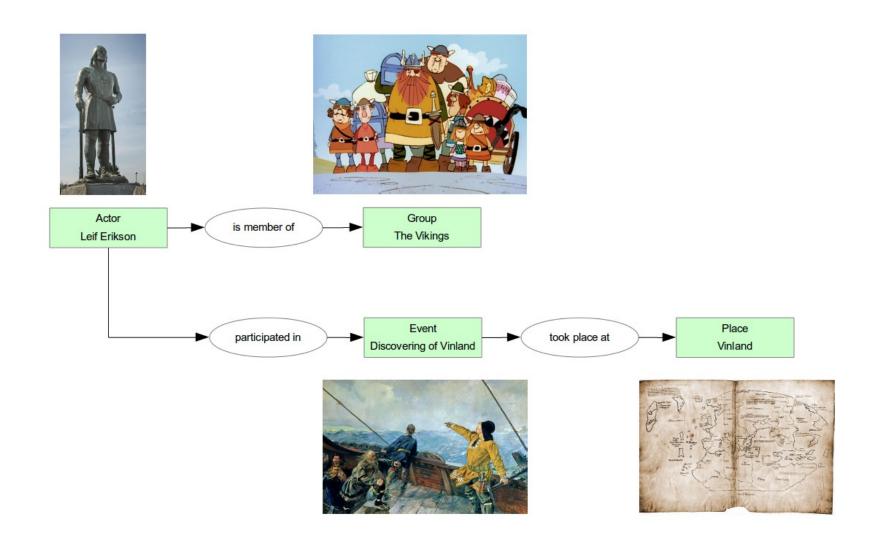
### **OpenAtlas Web Interface**

- Guarantee CIDOC CRM conformant data integrity
- Ease of use even without knowledge of the underlying model
- Flexibility for different research topics
- Dealing with data fuzziness





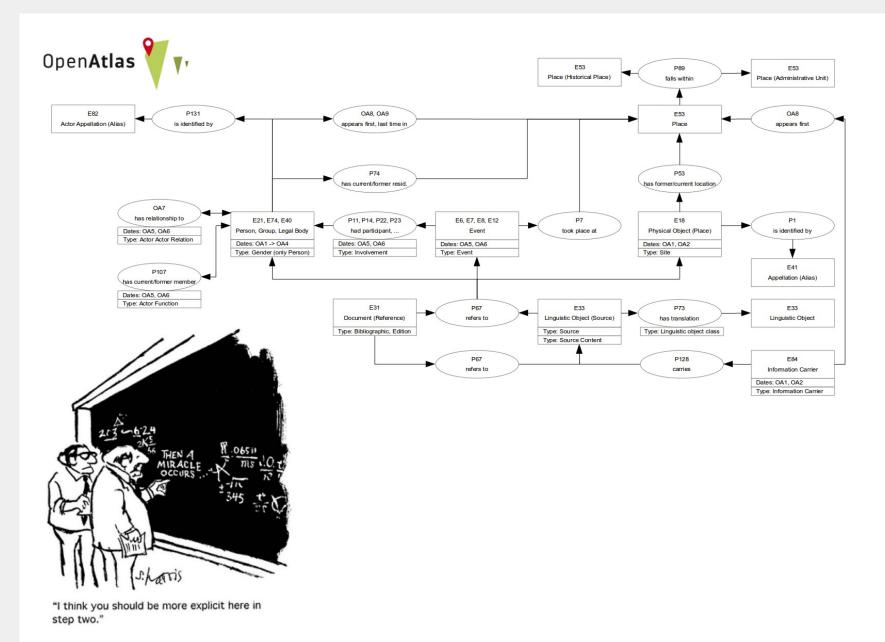






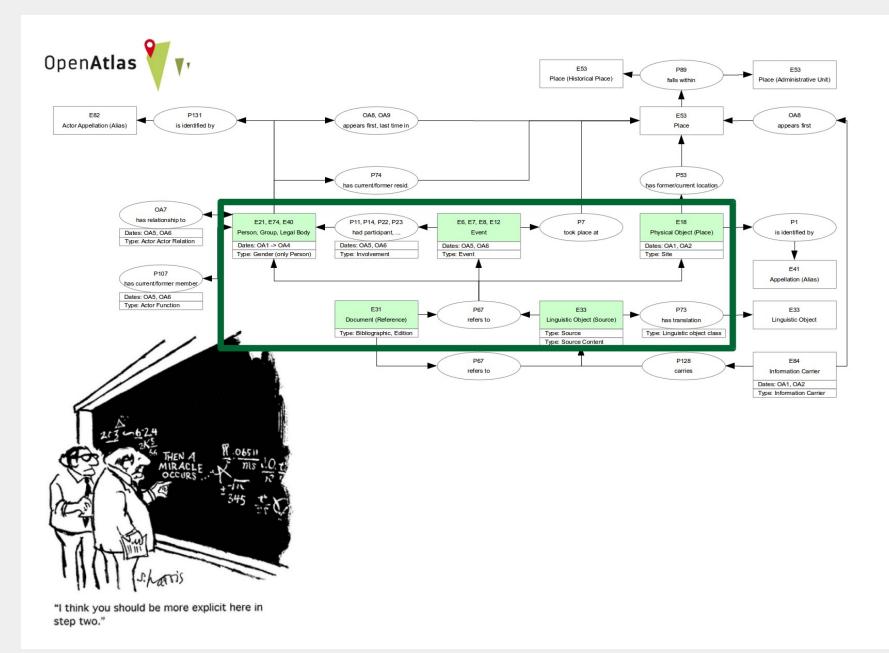










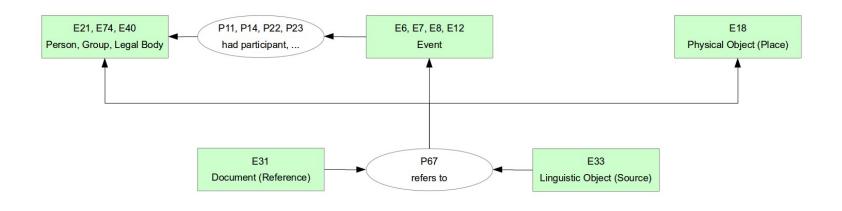
















# Flexibility for Different Research Topics

- Extensible Types
- Dynamic Types





# **Dealing with Data Fuzziness**

- Names
- Dates
- Locations







# Thank you for listening!

OpenAtlas

Demo

**DPP** 

CIDOC CRM

http://openatlas.eu

http://openatlas.craws.net

http://dpp.arz.oeaw.ac.at

http://www.cidoc-crm.org







July 5th, 2016 http://craws.net