An open source application to map historical data with CIDOC CRM

Alexander Watzinger
October 24, 2019

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The Projects

**Mapping Medieval Conflict**  
2014 - 2017, PI: Johannes Preiser-Kapeller

**Digitising Patterns of Power**  
2015 - 2019, PI: Mihailo Popović
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- Build the foundation
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  - Use cases: social network analyzes, map viewer
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- Build the foundation
- Flexible for different research topics
- Data
  - Use cases: social network analyzes, map viewer
  - Kindly provided data for demo versions
  - Used in new projects
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**Connected Clerics: Building a Universal Church in the Late Antique West**
2018 - 2022, PI: David Natal

**The Anthropological and Archaeological Database of Sepultures**
2019 - 2022, PI: Stefan Eichert, Nina Brundke
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New cooperations - Austrian Centre for Digital Humanities (ACDH)

- Infrastructure
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- Synergy between projects
- Long time archiving

October 24th, 2019
The Team

Stefan Eichert
Idea, Concept and Data Modelling

Alexander Watzinger
Software Development and Concept

All team photos CC-BY 4.0, Sandra Lehecka

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OpenAtlas CONNEC Workshop
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Christoph Hoffmann
Frontend Development

Bernhard Koschicek
Software Development

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Logo Design and Design Consulting

Daniel Kittel
Quality Assurance

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The Model
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CIDOC Conceptual Reference Model (CRM)
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- International Council of Museums (ICOM)
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- International standard (ISO 21127)
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• Defines classes, properties and rules how to link them
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- Defines classes, properties and rules how to link them
- Designed to improve information sharing
The Model

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- Letter
  - Church
  - Meeting

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The Model

CIDOC Conceptual Reference Model (CRM)

- Church (Place (E53))
- Meeting (Event (E5))
- Person (E21)
- Letter

Linguistic Object (E33)
The Model

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The Development

- A new version about every month
The Development

• A new version about every month
• Transparent workflow
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- Transparent workflow
- Python3, Flask, PostgreSQL + PostGIS
The Development

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- Transparent workflow
- Python3, Flask, PostgreSQL + PostGIS
- Next steps: API, Linked data
Thank you for listening

https://openatlas.eu