



OpenAtlas



An open source application
to map historical data with CIDOC CRM

Alexander Watzinger

July 3th, 2019

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International Medieval Congress Leeds

The Projects



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



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Digitising Patterns of Power
2015 - 2019, PI: Mihailo Popović

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- Build the foundation

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- Flexible for different research topics

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- Data
 - 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

The Projects



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Connected Clerics: Building a Universal Church in the Late Antique West
2018 - 2022, PI: David Natal

THANADOS

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The Anthropological and Archaeological Database of Sepultures
2019 - 2022, PI: Stefan Eichert, Nina Brundke

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New cooperations

- Infrastructure

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New cooperations

- Infrastructure
- New features for different research topics
- Synergy between projects

The Team



Stefan Eichert
Idea, Concept and Data Modelling



Alexander Watzinger
Software Development and Concept

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Quality Assurance

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Daniel Kittel
Quality Assurance



Christoph Hoffmann
Frontend Development



Bernhard Koschicek
Software Development

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The Contributors

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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)
- Defines classes, properties and rules how to link them

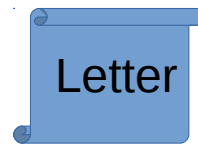
The Model

CIDOC Conceptual Reference Model (CRM)

- International Council of Museums (ICOM)
- International standard (ISO 21127)
- Defines classes, properties and rules how to link them
- Designed to improve information sharing

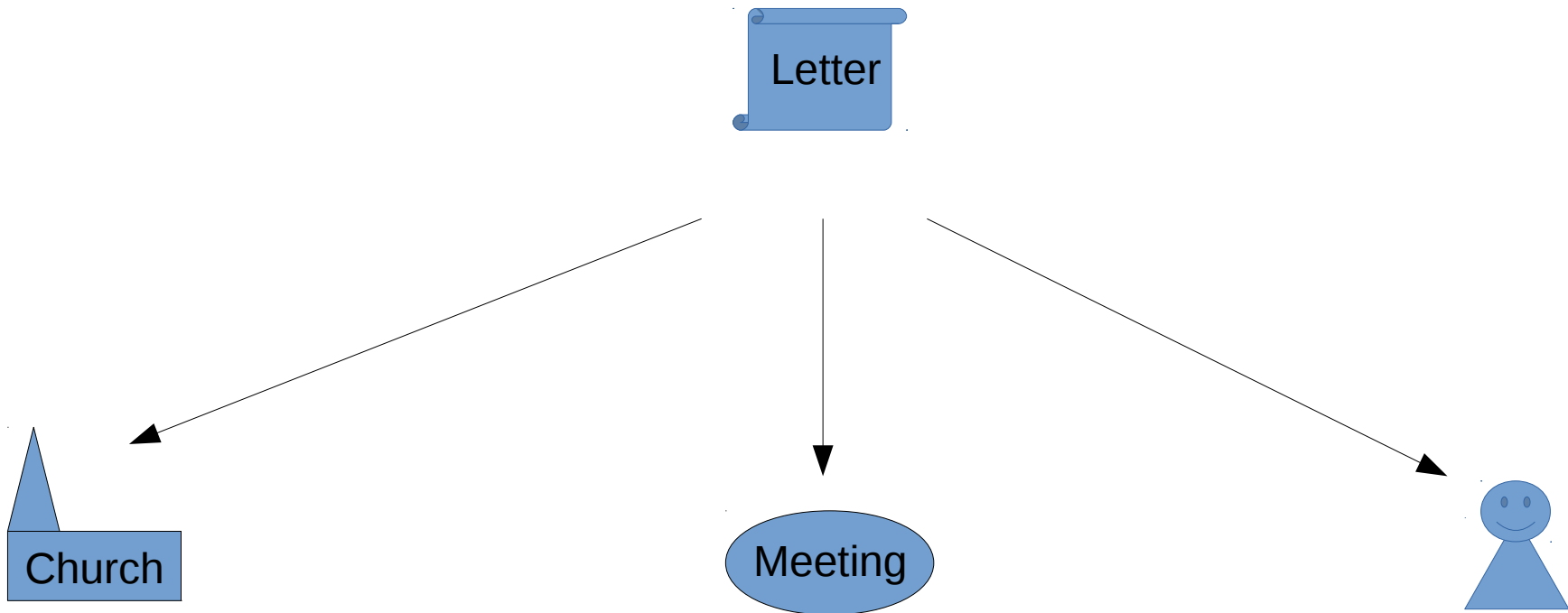
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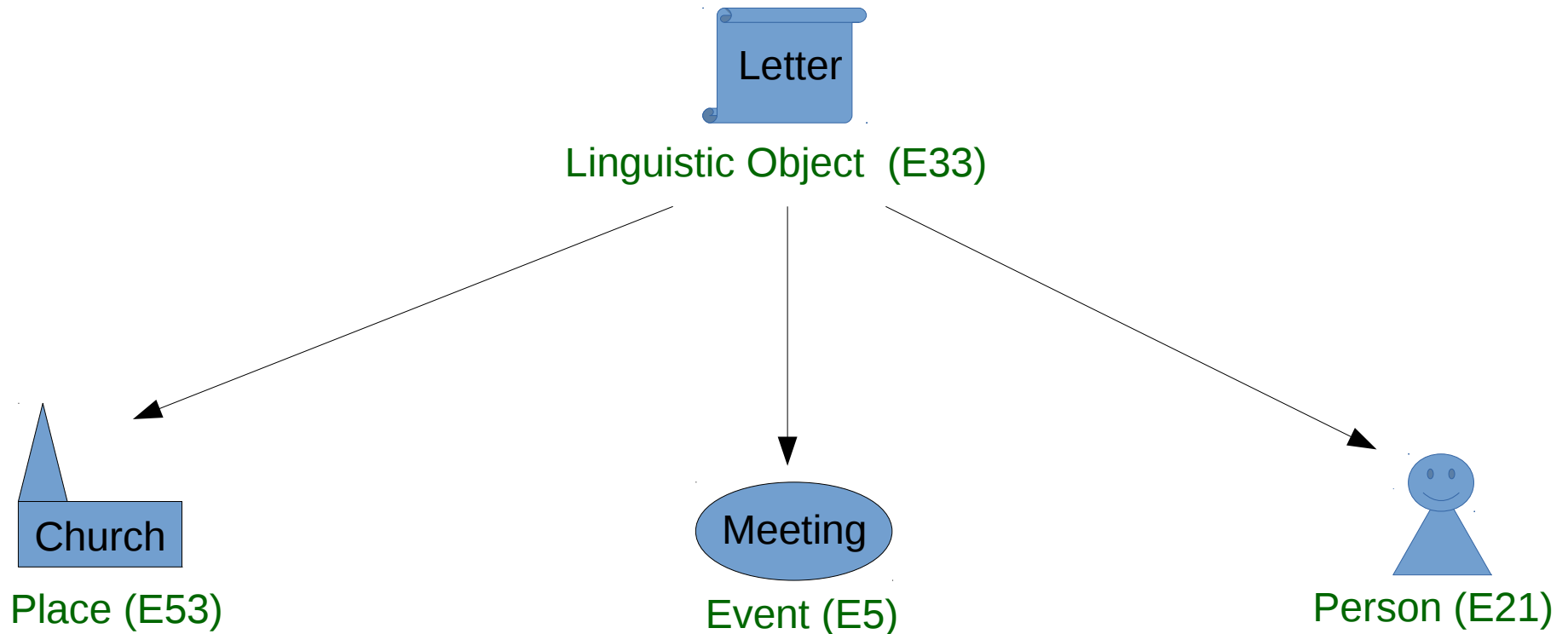
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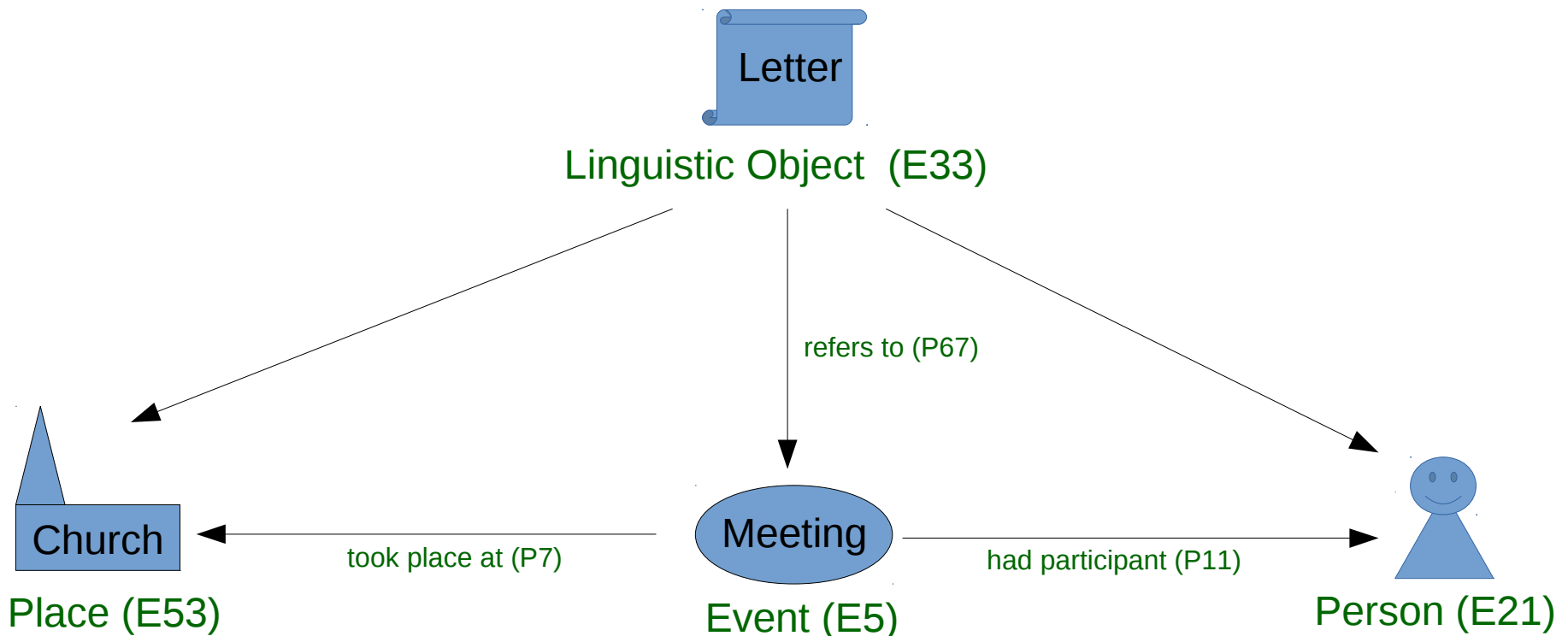
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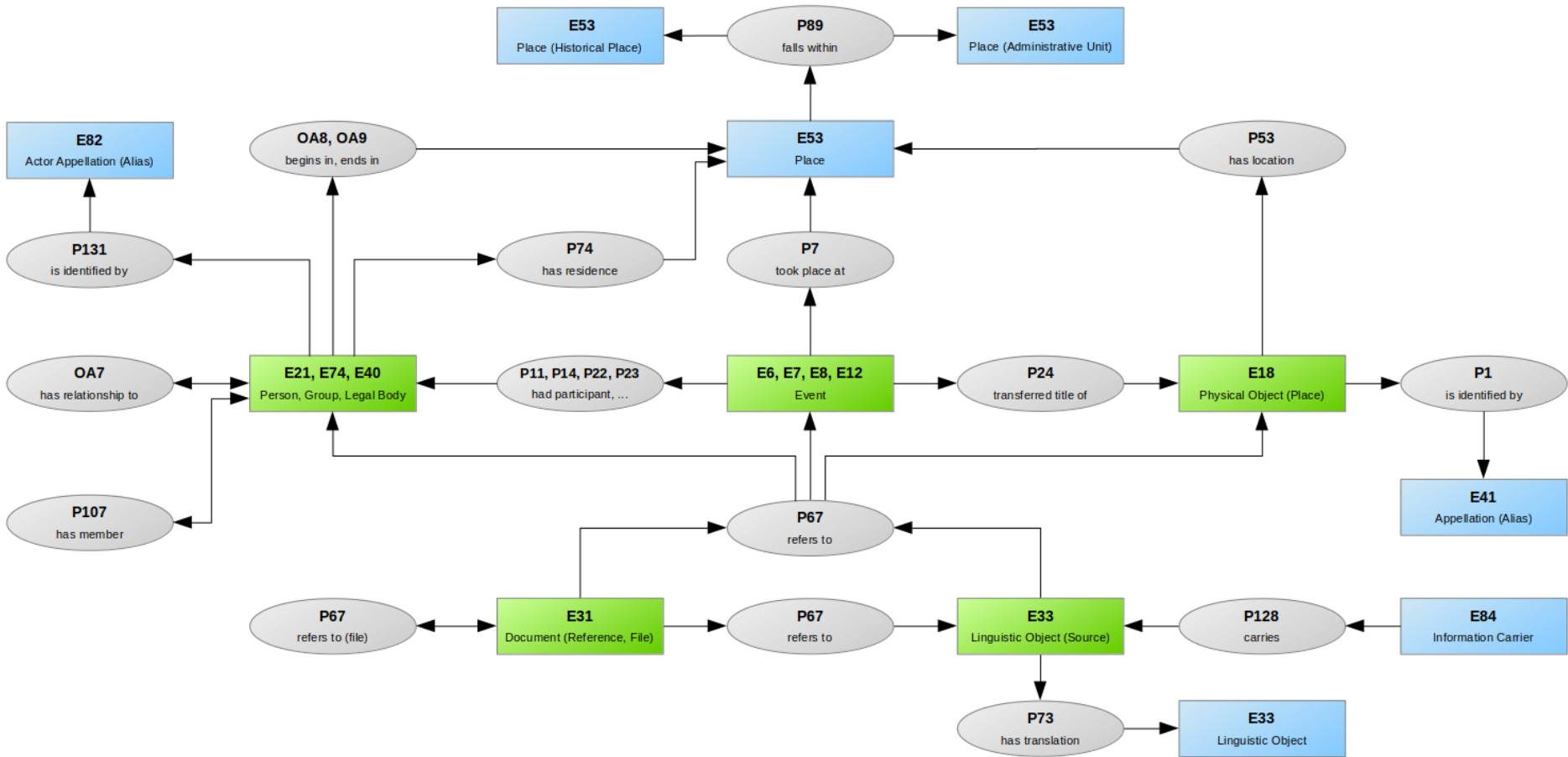


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CIDOC Conceptual Reference Model (CRM)



The Model



The Development

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- Python3, Flask, PostgreSQL + PostGIS

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- Next steps: Linked data

Thank you for listening



<https://openatlas.eu>