SSoLDAC
3rd Summer School on Linked Data in Architecture and Construction

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SSoLDAC

- SSoLDAC2019 Lisbon
- SSoLDAC2022 Cercedilla
- SSoLDAC2023 Matera

CHALLENGES
Link geometric, "as-is" representations with designed, semantic representation
Automatic feature recognition - and change detection!
Documentation using standards (CityGML)
Different processes may require different representations of the same physical object
Geometric Model = (Shape, Context, Usage)
Ensure persistence of semantic annotation across different representations of the same object
Mapping across geometric models
Efficient management of big "geospatial" data
An example in a slightly different domain – Cultural Heritage
physical entity
digital identity
1.4Mio
digital identity
1Mio
digital identity
5K
digital identity
1K
Andreas Scalas, Michela Mortara, Michela Spagnuolo. A pipeline for the preparation of artefacts that provides annotations persistence. Journal of Cultural Heritage, Vol. 41, 2020

Recap Lectures

Basics of Linked Data

Ontologies

Recap Lectures

ETL procedures and querying

Interaction and querying

Recap Lectures

Advanced ontologies and reasoning

Validation and SHACL

Recap Lectures

Heterogeneous knowledge graphs

Building products and properties

Recap Lectures

Geospatial linked data

Frontend development using LBD

Recap Lectures

Federated knowledge graphs

Sensors and LBD

Recap Hackathon

Recap Social events

Thanks to our diamond sponsors!

PALLAS

bSDD ® a service by buildingSMART International

Thanks to our gold sponsors!

neanex

ontotext

AEC 3

BUILDING DIGITAL TWIN ASSOCIATION

BIM CONNECTED

AMBERG GROUP

TenneT

Thanks to all organizational support!

And many thanks to our host!

cte matera

Hackathon Challenges

Data Dictionary

bSDD & Ontotext

Knowledge validation in action

Pallas, AEC3 & Neanex

Dynamic Asset Management

BIM-Connected

Managing heterogeneous data

TenneT & BDTA

Semantic enrichment of urban spaces

City of Matera

Hackathon Award is sponsored by

BASILICATA CREATIVA

Hackathon Honorable mention

And the winners are...

Hackathon Winners!

Enjoy the LDAC Workshop!
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