

proDataMarket

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How can we innovate (and make money) with property-related Open Data?

Why property data?

One of the most valuable datasets managed by governments worldwide

Extensively used in various domains by private and public organizations

Some challenges in working with property data

- Difficult to access
- Cross-sectors
- Data is highly heterogeneous and possibly large
- Data quality
- Time-consuming integration
- Lack of innovation

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proDataMarket project goals

 To make property data more accessible, more usable and easier to understand

- To make it easier for:
 - Property data providers to publish and distribute their data
 - Data consumers to find and access property data needed for their businesses

proDataMarket project in numbers

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European partners

SINTEF - EVRY - Statsbygg. **Norway** The Tragsa Group. **Spain** Ontotext. **Bulgaria** Cerved - SPAZIODATI - Istat. **Italy**

2.5 Years (2015-2017)



€4.5M

20+
Datasets

Reporting state-owned real estate properties in Norway

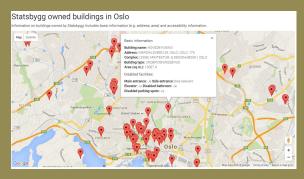


- A hard copy of 314 pages and as a PDF file
- 6 Person-Months
- Data collection with spreadsheets
- Quality assurance through e-mails and phone correspondence

Pains

- Time consuming
- Poor data quality
- Static report without live updating





- Live service
- Efficient sharing of data
- Simplified integration with external datasets
- Live updating
- Reliable access

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 Risk and vulnerability analysis, e.g. buildings affected by flooding



Analysis of leasing prices

Report

Reporting Service

3rd party services



CAP funds assignments

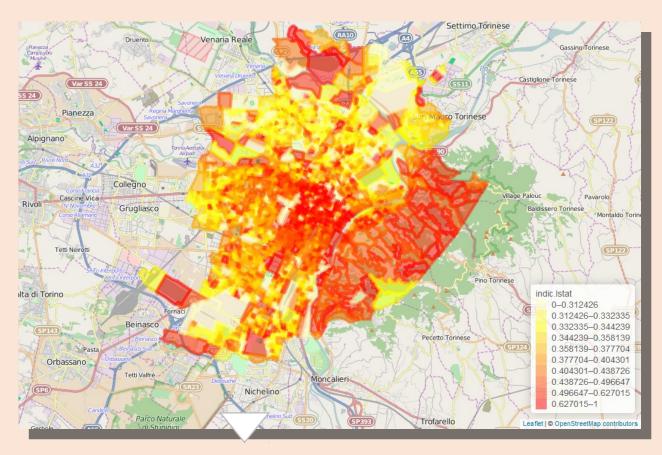
Stakeholders:

- Public administration
- Farmers and land owners
- Intermediaries (e.g. service providers)

• Problems:

- Unfair grant assignment and expenditure on audits
- Incorrect grant assignments
 - Farmers could loose close to 30% of funding

Objective evaluation of the real estate properties



Registry Score on Istat dataset City of Turin



Real estate evaluation

Subterranean Infrastructure



Linked Data Approach: DataGraft







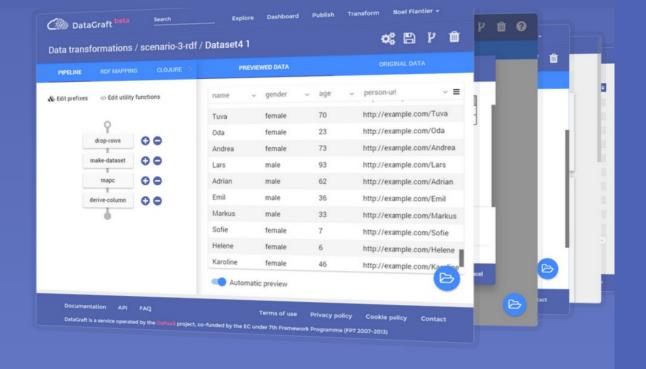
One-stop-shop for hosted data management

Powerful data transformation and reliable data access capabilities

...for data workers to manage their data in a simple, effective, and efficient way

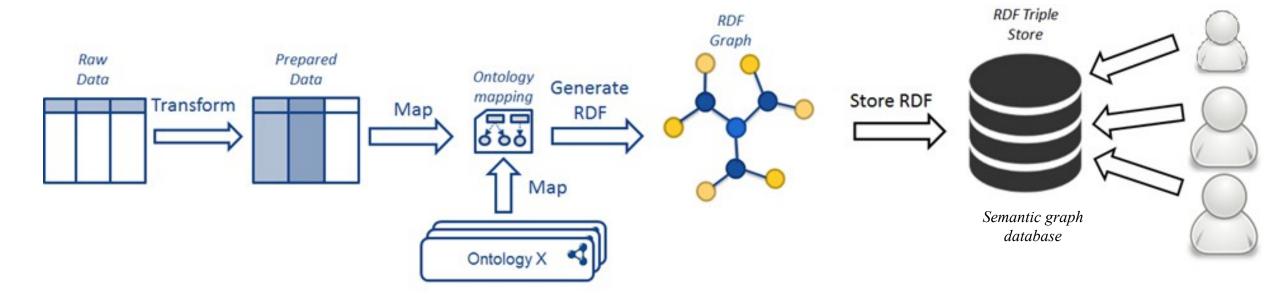


(HOW IT WORKS)

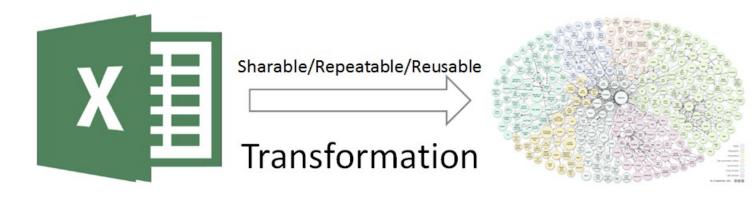


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DatGraft: Data Transformation and RDF Publication Process



- Interactive design of transformations
- Repeatable transformations
- Reuse/share transformations (userbased access)
- Cloud-based deployment of transformations
- Self-serviced process
- Data and Transformation as-a-Service



Thank you!

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