



Meaningfy

Enacting Knowledge

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Founder & CEO

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Who are we?

We are a service provider based in Luxembourg **delivering**

- data-driven solutions,
- consulting and
- software development services

to European clients in the **fields** of

- Knowledge Graphs,
- Natural Language Processing,
- Data Science and related areas.



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Our services

- Semantic Data Modelling & Integration
 - Increase the business value of your enterprise data by adopting a semantic-based data model.
- Text Mining & Text Analytics
 - Unlock the meaning from the unstructured text and expose new business insights.



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Our services (ctd.)

- Semantic Technology Consulting & Digital transformation
 - Shorten your path from innovative ideas to effective delivery.
- Semantic Technology Trainings
 - Master semantic technologies with a pre-planned curriculum or tailor-made training courses to accommodate your specific needs.



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Ongoing Projects in the EU Public Procurement domain

eProcurement Ontology

Main objective

- develop the e-procurement ontology in a collaborative effort among the main stakeholders

Issues to overcome

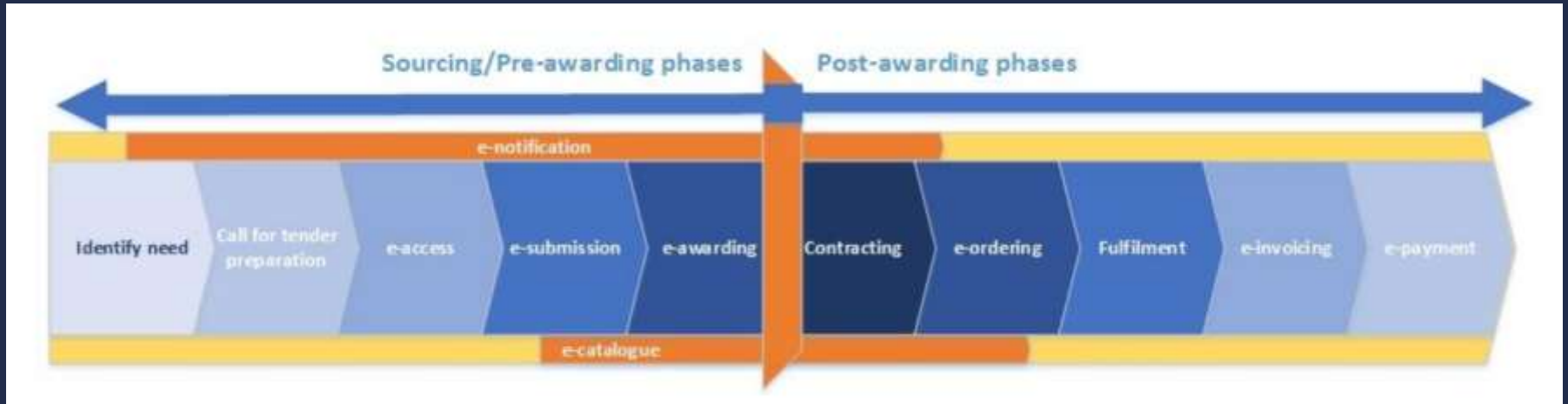
- fragmentation that hinders interoperability among e-procurement systems

Benefits

- support the whole of the e-procurement process, from e-notification until and including e-payment



eProcurement phases



TED Semantic Web Services

Need for

- reliable and complete data on public procurement in the EU as being essential for transparency and accountability of public spending

Issues are

- impeded access to and reuse of the data due to XML format;
- search capabilities are therefore confined to a very limited set of metadata;
- impossible for reusers to consume and process data that span across several years;
- No (complex) queries, data aggregations, investigations, monitoring are possible.



TED Semantic Web Services (ctd.)

Objective is to

- make public procurement data accessible and reusable as linked open data by users and stakeholders;
- publish the TED data in a standardised format shaped by the eProcurement Ontology.

Benefits are

- using one common format for accessing and reusing all TED data (RDF instantiating the eProcurement ontology);
- semantics attached to TED notices allow (re-)users to directly link with other datasets;
- be able to perform much more elaborate queries directly on the data source (through the SPARQL endpoint);
- reduce the need for data warehousing in order to perform complex queries.



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Let's start something new

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Success stories

LAM: Initiative for Modelling the Legal Analysis Methodology

EUR-Lex and Legal Information sector

Access to and Reuse of Public Information unit

at the European Publications Office

- LAM is a set of guidelines for the legal document metadata organisation at the EU level.
 - data analysis and model design
 - application of the model to formalise the LAM data (in collaboration with the legal experts)
 - Implementation of transformation, validate and publishing services for LAM data
 - provision of trainings on technology standards & taxonomy building



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EPO: eProcurement ontology development and support

Standards and Support sector

TED and EU Public Procurement unit

at the European Publications Office

- The aim of the project is to develop a formal ontology to overcome the fragmentation that hinders interoperability among eProcurement systems.
 - guidance, technical leadership and consulting
 - analysis and design of the ontology architecture
 - design and implement the formalisation process (adapted to the current state of the model),
 - implement a transformation and validation tool for ePO models
 - provide support and guidance in ontology building process (especially in expert group meetings)



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SemCovid: Semantic textual analysis of Covid19 measures

*Open Data Services sector
EU Open Data and CORDIS unit
at the European Publications Office*

- Semantic mapping of the European Union and Member States response to the COVID-19 crisis in the area of living and working conditions.
 - designing R&D experiments
 - collecting (textual) data
 - data infrastructure design and setup (for ETL, ML & Analytics)
 - Exploratory Data Analysis (EDA)
 - building topic models (static and time bound)
 - development & analysis of Language Models
 - development of semantic similarity models across countries and datasets
 - data visualisations for experiment results



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MDR: Reference data management & digital transformation

Metadata and Reference Data sector

Standardisation unit

of the Publications Office of the European Union

- Management, modelling and modernisation of the EU reference data and the data publishing pipelines
 - management of reference data and controlled vocabularies
 - conceptual analysis and data quality improvement
 - standardisation and data modelling
 - ontology development
 - enterprise architecture analysis and design for the digital transformation
 - digital transformation of the data management workflows (editing, validation, publishing, ...)
 - implementation of the software services

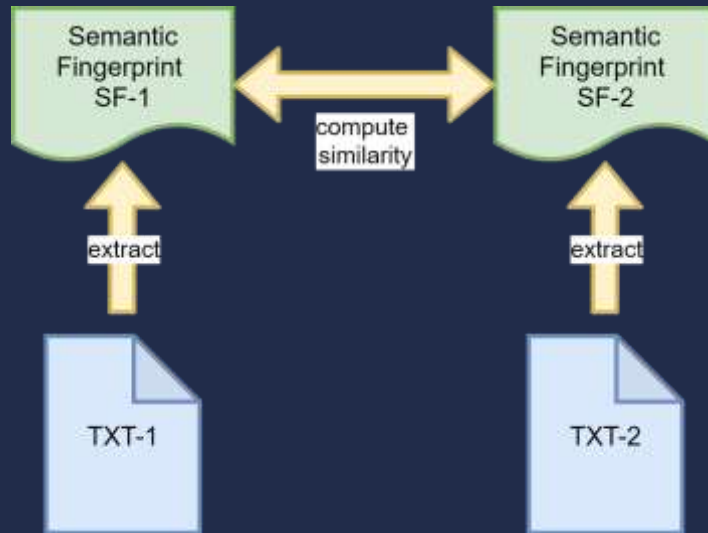


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LegalRadar: Semantic search engine for legal texts

Internal product development for an intelligent access to law

Develop a search engine that works based on the meaning and not keywords



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Why us?

- Put your organisation **back in control** of your **knowledge assets**.
- Materialise ideas about how to **organise, access and enact knowledge**.
- **Transform** the way your organisation identifies meaning across diverse **datasets** and massive amounts of **unstructured information**.



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