Building the Legal Knowledge Graph for Smart Compliance Services in Multilingual Europe

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TeReCom workshop at JURIX

@lynxH2020
13/12/2017 Luxemburg
Our project

Our project

Grant Agreement number: 780602

ICT14-2016-2017 (IA) Innovation action Horizon 2020
Pillar: Industrial Leadership
Work Programme Year: H2020-2016-2017
Work Programme Part: Information and Communication Technologies

TOPIC : Big Data PPP: cross-sectorial and cross-lingual data integration and experimentation

Duration: 36 months
Starting date: 1st December 2017
Estimated Project Cost: €3,638,065.00
Requested EU Contribution: €2,959,247.52
Project Officer: Johan BODENKAMP
Our Project

http://lynx-project.eu
WHO

WHERE
WHY
The motivation

European SMEs
Compliance = conformance to a set of laws, regulations, policies or best practices

- Comply with applicable legislation (EU, national, regional, local)
- Implement standards and norms (ISO, AENOR…)
- Follow sector-specific best practices
The current situation

European SMEs
Institutions publish their documents and data sources in different **formats** and according to different **criteria**, and...
The current situation

... in different languages
Our objective

Smart Services for Compliance

search, linking, recommender, semantic annotation, extraction, translation, summarization, recommender

Vocabularies
Indexed documents

Legal Knowledge Graph

data source specific importers

Annotation
Linking
Translation

Pilot 1: Data protection
Pilot 2: Oil, gas, energy
Pilot 3: Labour law

Public access
Open documents, simple interface

Developer access
Fremium HTTP Rest API

Professional access
Specific access and data integration

Legal resources
International Standards
Language resources
Open Data
Private documents
Main tasks to meet objectives

3 EXPLOITATION

2 INTEGRATION

1 ACQUISITION

Smart Services for Compliance
- search, linking, recommender, semantic annotation, extraction, translation, summarization, recommender

Pilot 1: Data protection
Pilot 2: Oil, gas, energy
Pilot 3: Labour law
WHAT
1. ACQUISITION

Legal resources  International Standards  Language resources  Open Data  Private documents  Annotation  Linking  Translation

**ACQUISITION**

- Legal resources
- International Standards
- Language resources
- Open Data
- Private documents
- Annotation
- Linking
- Translation

**EUROPEAN DATA PORTAL**

Search Datasets

Enter keywords:  Search

Browse Datasets by Categories
- Agriculture, Fisheries, Forestry & Fishing
- Energy
- Regions & Cities
- Transport
- Environment
- Education, Culture & Sport
- Health

EU Open Data Portal

Access to European Union open data

Discover our datasets  View datasets by subject  View all datasets  View all publishers

Focus on

Pollutant emissions from transport

> Eurostat

Twitter

EU Open Data

@EUopendata

Missed all the presentations of the Finalists at @EUData2017? Watch them here! publications.europa.eu/en/web/d
## INTEGRATION

### Legal Knowledge Graph

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EXPLOITATION

Lynx Platform

Free access
Access to open documents by general public

Pilot on Oil & Gas and Energy

Pilot on Data Protection

Pilot on Labour Law

Paid access
Multiplier effect
Base of customers of partners indirectly benefiting from Lynx

Multiplier effect
Direct access to compliance services by companies and professionals

Other professional access with new interfaces
Future pilots
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