The goal of the project is to create a unique Pan-European legal platform – **EUCases Linking Platform**, and services linking law and case law of Member States to European Union legal system, thus providing access and search facilities at the European level.

It transforms multilingual legal open data into linked open data after semantic and structural analysis to improve their usability and retrieval.

State of the art Natural Language Technologies will be used.
EUCases partners

• Duration: 2 years (1.10.2013 – 30.09.2015)
• Budget: € 1 860 840
• Call: FP7 SME-DCA Data analytics initiatives for the SMEs
• Partners:
  – empirica GmbH (Bonn, Germany) - Coordinator SME
  – Apis-Hristovich EOOD (Sofia, Bulgaria) SME
  – Averbis GmbH (Freiburg, Germany) SME
  – Nomotika SRL (Torino, Italy) SME
  – Institute of ICT Bulgarian Academy of Science (Sofia, Bulgaria)
  – Universita degli Studi di Torino (Italy)
Consortium representatives

Empirica GmbH
- Karsten Gareis, Coordinator
- Dr Veli Stroetmann, Deputy Coord.
- Strahil Birov, Exploitation, BM
- Klaus Piesche, Dissemination

UNITO
- Prof Guido Boella, WP Leader, Scientific Coordinator
- Dr Livio Robaldo, Project team member
- Luigi Di Caro, Project team member
- Hristo Konstantinov, APIS, WP Leader, Industrial Coordinator
- Tenyo Tyankov, APIS, Project team member
- Prof Kiril Simov, IICT-BAS, WP Leader
- Dr Petya Osenova, IICT-BAS, Project team member
- Dr Kornél Markó, AVERBIS, Task Leader
- Florian Schmedding, AVERBIS, Project team member
- Carlo Cugusi, NOMOTIKA, Project team member
- Dr Andrea Violato, NOMOTIKA, Project team member
Technologies used

• Structuring legal documents:
  – Legal XML: Akoma Ntoso
  – Naming of documents: ELI/ECLI
  – NLP parsers for translation in XML and linking, NER

• Semantic enrichment:
  – Multilingual ontologies (EuroVoc and Legal Taxonomy Syllabus)
  – Text to ontology linking
  – Automated classification
  – Automated summarization
  – Automated translation

• Open data: SPARQL
Overview

EUCases Linking Platform

Language technologies

**Structural interlinking**
- Identifiers: ELI, ECLI, national
- Tools for linking, LT2XML converters
- Metadata extraction
- Tools for case annotation

**Semantic interlinking**
- EuroVoc thesaurus
- Syllabus ontology, ontology indexer
- Ontology-to-text processing
- Multilingual access
- Classification & Summarisation

Multi-lingual database
- EN, DE, FR, IT, BG

Value added tools & services

SMEs' value added products
- **EuroCases Service**
  - Web Application
  - National case law linked to European Union law

- **ConsumerCases**
  - Web Application
  - Online service in the area of European Consumer law

- **EULinksChecker**
  - Add-in tools
    - for browsers, text editors and viewers

Legal linked open data
- Courts, law firms, academic institutions

User testing & validation / Exploitation plan
Main project outcomes:
• ConsumerCases Application
• EULinksChecker add-ins
• Legal Linked Open Data Set

Other project outcomes:
• NLP Toolkit
• EuroVoc Classifier
• Case summarisation module
• Machine translation module (Multilingual access module)

Further services building on project outcomes:
• EuroCases Application
  o APIS will further invest in an added value online service with enhanced content and functionality
  o Planned launch in October 2015