



CORTE DEI CONTI

8th International Integrity eSeminar

Are emerging technologies helping win the fight against corruption?

February 25, 2021



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The potential of the Information and Communication Technology (ICT) tools on corruption.

Corruption continues to be one of the most pervasive anti-social vice in our societies.



International cooperation initiatives:

- United Nations Convention against Corruption
- Convention on Combating Bribery of Foreign Public Officials in International Business Transactions
- Governance and Anti-Corruption Strategy
- European Anti-Fraud Office (OLAF)
- Group of States against Corruption (GRECO)



The Italian anticorruption legislation:

- Law N. 190 in 2012 designed to try and catch more shady and mimetic unlawful conducts and to strengthen integrity in the public sector at large.

Adoption of Three-year Anticorruption Plan and a Code of Conduct

- Law N. 179/2017 “Provisions for the protection of whistle-blowers who report offences or irregularities which have come to their attention in the context of a public or private employment relationship.”



The *Corte dei conti* plays a leading role in deterring and combating public sector corruption.

The exercise of audit and judicial functions which are interconnected and complementary represents an added value for ensuring accountability and transparency.



Combating fraudsters is at the heart of SAIs and a persistent challenge.

Artificial Intelligence (AI) has emerged and fundamentally transformed every facet of our lives by making it easier and faster to access goods, services and information regardless of geographical location.

Greater transparency and accountability are key factors in minimizing opportunities for corruption.



Will Information and Communication Technologies help societies emerge victorious in the war against corruption? And is the world going to witness the emergence of robots capable of replacing human intervention on both the demand and supply sides of corruption?

The latest technological developments in data analytics, machine learning and artificial intelligence allow SAIs to perform their financial, compliance and performance audits in a faster and more innovative way.

Digital auditing is set to improve transparency and accountability of public authorities towards the citizens they serve.



Artificial Intelligence tools do not replace professional judgments of experienced auditors in detecting potentially fraudulent activities.

Artificial Intelligence will assist Supreme Audit Institutions (SAIs) work and will change how that work is carried out.

It is imperative Artificial Intelligence be employed as an assistive technology to augment the audit process and equally important that Supreme Audit Institutions (SAIs) cultivate skilled manpower to harness Artificial Intelligence technology.



Italian experience

The digital transformation of the Public Administrations

The Three-Year Plan is focused on:

- The development of a digital society
- The promotion of sustainable, ethical and inclusive development
- The contribution to the diffusion of new digital technologies



Examples of the three-year Plan's objectives:

- Improving the PA's ability to generate and deliver digital services
- Sharing and re-use of data between PAs
- Developing existing platforms
- Developing Open-Source method
- Increasing the reuse of data
- Increasing Open data policies
- Improving the National Data Digital Platform
- Ensuring transparency in the creation and use of laws by **Lex Datafication Project**.



The Predictive Justice - Scuola Superiore di Sant'Anna di Pisa (University)

The Predictive Justice is an ambitious long-term project built on an innovative approach and philosophy

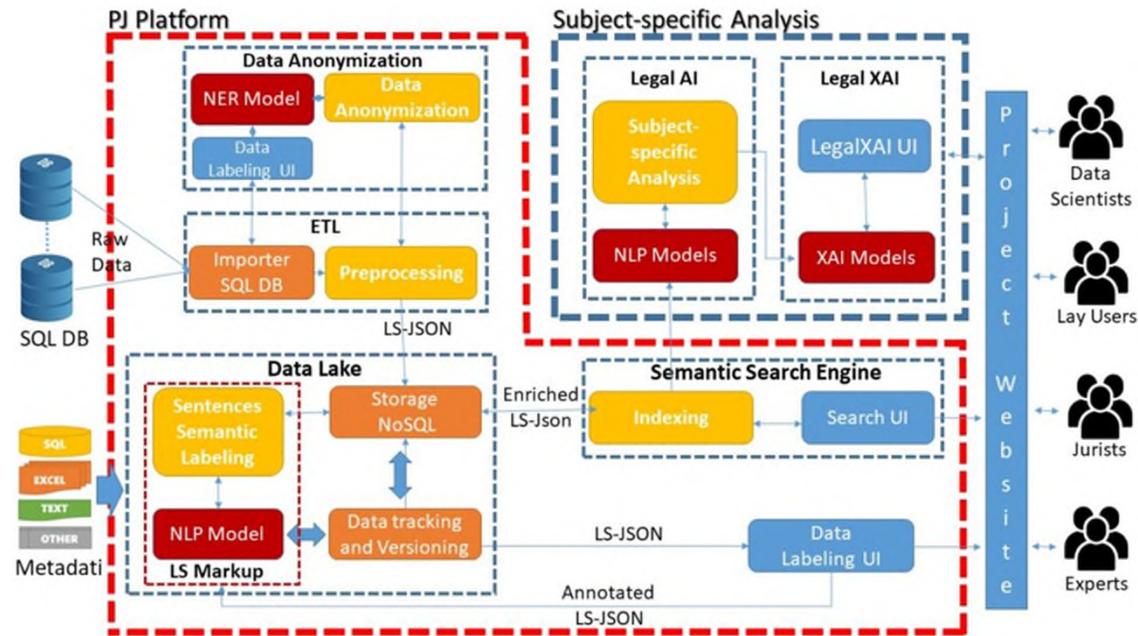
The ambitions are multiple and transversal: from the attempt to “export” knowledge, techniques, and solutions across disciplines

The DATABASE Legal Document Management System (LDMS) is aimed at developing computerised tools for the analysis of case law and legal texts.



Legal Document Management System (LDMS) is divided into the following tasks:

- Exploratory Data Analysis (EDA)
- Extract, Transform, Load (ETL)
- Data Lake
- Data Labeling UI
- Legal Semantic Search Engine





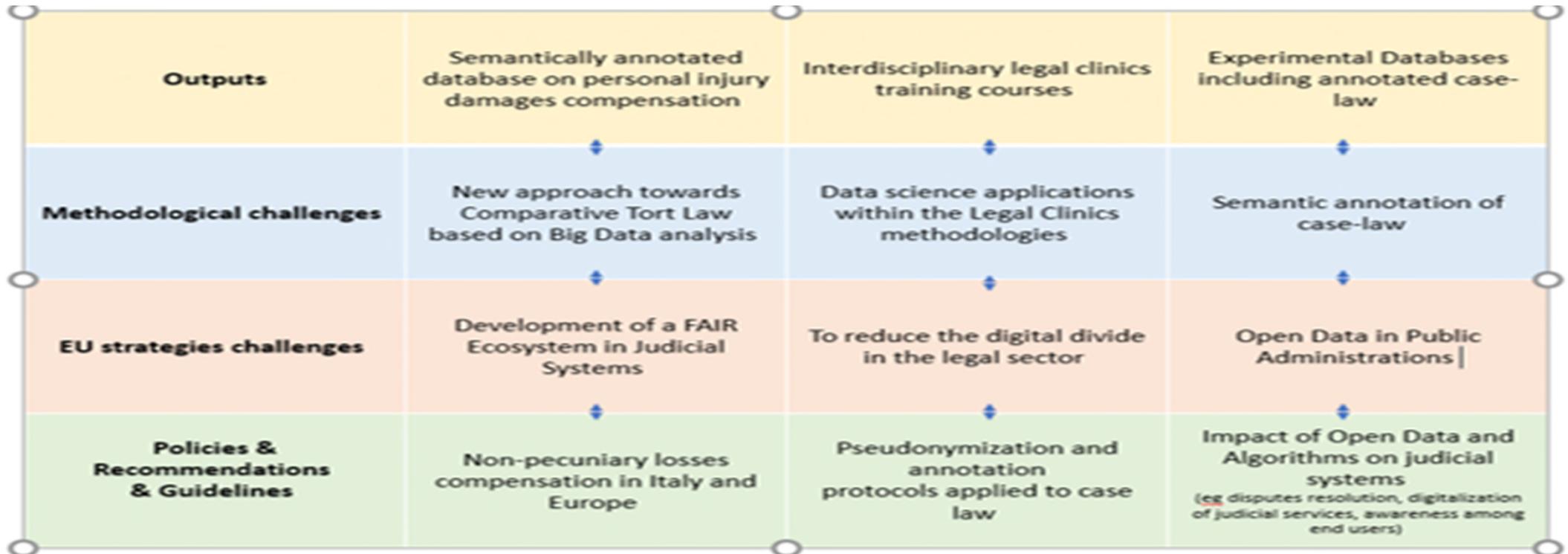
PJ Strategies

- Access to law
- Creation of new innovative strategic tools
- Simplify and automate legal tasks
- Litigation assessment
- Increase understanding of legal processes
- Help in the drawing up of scales in certain civil disputes
- Anticipating court decisions: forecast not prediction!
- Draw the boundaries between interpretive coherence and unpredictability of justice
- Identify possible trends/biases
- Explain the reasoning behind each decision for different stakeholders



PJ Actions

- Legal Semantic Search Engine
- Text Normalization
- Automatic Document Classification
- Evidence, Decision and Reasoning extraction
- Automatic Document Pseudonymization
- Italian Legal Domain-Specific Models
- Legal Named-Entity Recognition
- Legal eXplainable AI for different stakeholders
- Enriched case-law databases
- Integrated Data Tracking System





Many thanks to all of you
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