

PhD Thesis

Goal System that process a legal text and extracts temporal information (dates, durations, times and sets of times) and relevant events.

Results

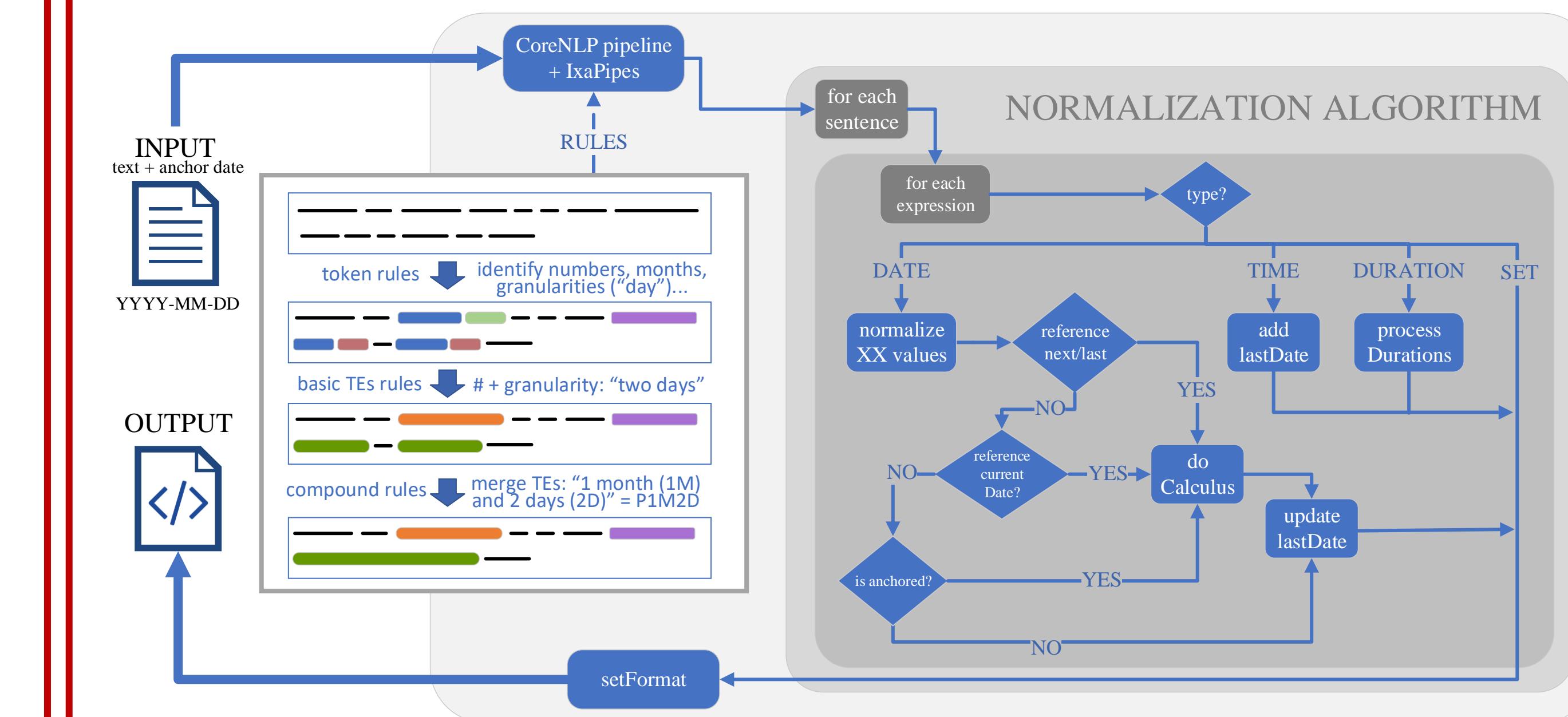
- **Añotador**: temporal tagger for Spanish and English [1]
- **TempCourt**: first corpus of judgments from different courts annotated with time expressions (with WUWien) [2]
- **LawORDate**: webapp to process frequent misleading legal references in Spanish texts [3]
- **ContractFrames**: NLP system that extracts from texts relevant events related to lifecycle of contracts (with NII) [4]



MORE INFO

Ongoing Extraction and representation of relevant legal events in judgments. [5]

Añotador: Temporal Tagger for Spanish

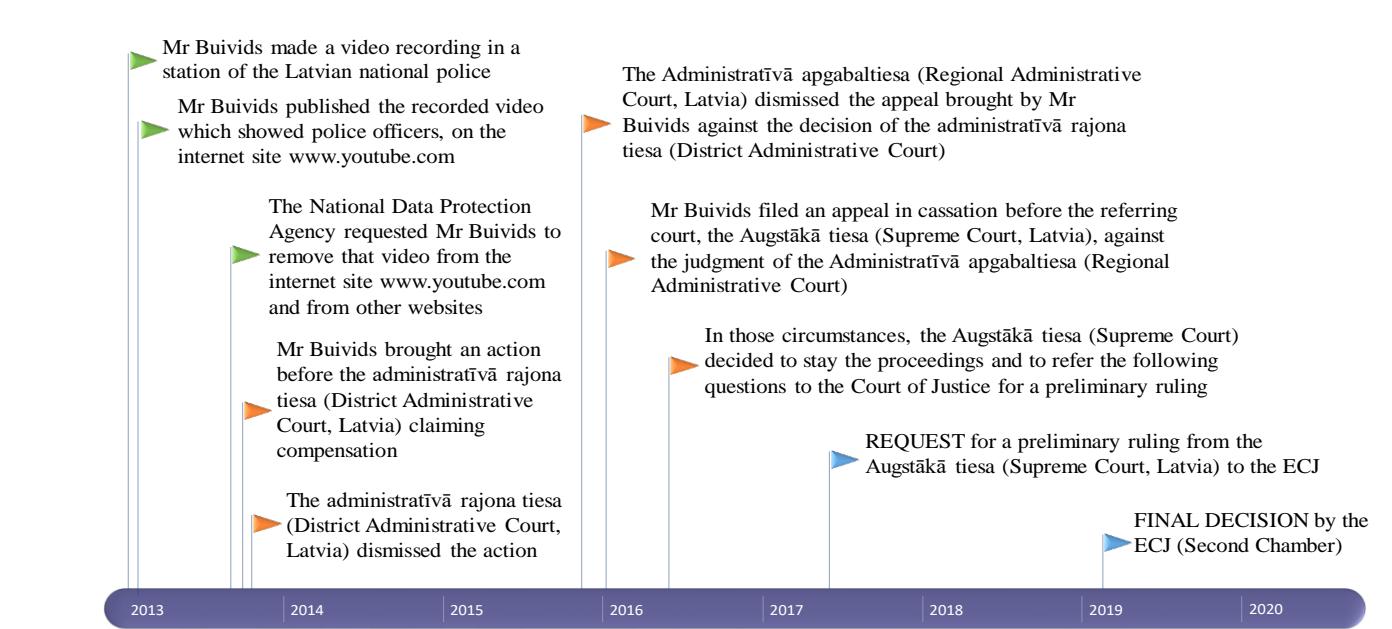
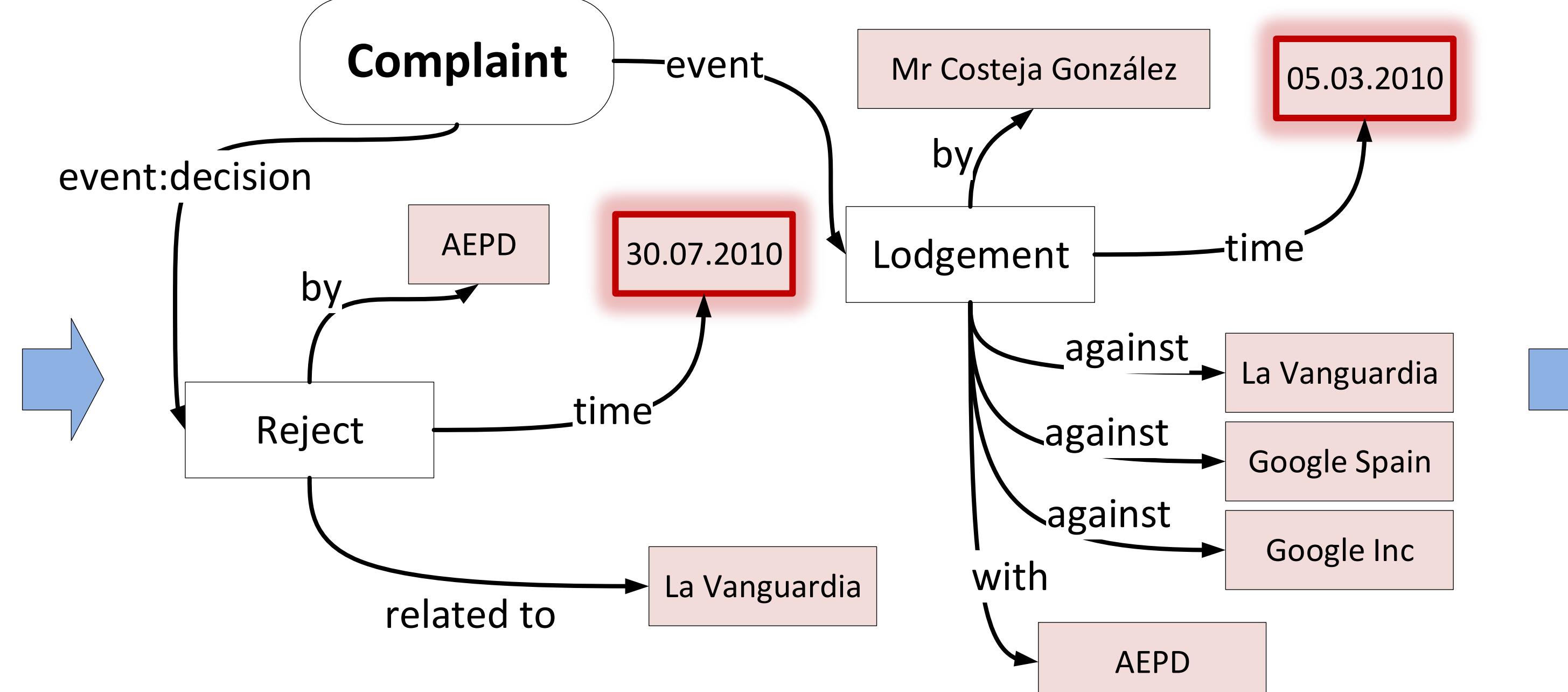


Expected result

Excerpt from judgment:

14
On 5 March 2010, Mr Costeja González, a Spanish national resident in Spain, lodged with the AEPD a complaint against La Vanguardia Ediciones SL, which publishes a daily newspaper with a large circulation, in particular in Catalonia (Spain) ('La Vanguardia'), and against Google Spain and Google Inc. (...)

16
By decision of 30 July 2010, the AEPD rejected the complaint in so far as it related to La Vanguardia (...)



An event-based representation of judgments would facilitate the understanding of legal documents to both layman and legal practitioners by allowing, among others, the generation of:

- Timelines
- Event-based summaries
- Pattern-based analysis of judgments
- Question Answer systems

[1] *Annotador: a Temporal Tagger for Spanish*. Navas-Loro, M., Rodríguez-Doncel, V. To be published in the Journal of Intelligent and Fuzzy Systems. <http://annotador.oeg-upm.net/>

[2] *TempCourt: Temporal Annotated Corpus of Court Decisions*. Navas-Loro, M., Filtz, E., Rodríguez-Doncel, V., Polleres, A., Kirrane, S. To be published in the Knowledge Engineering Review. <https://tempcourt.github.io/TempCourt/>

[3] *LawORDate: a Service for Distinguishing Legal References from Temporal Expressions*. Navas-Loro, M. Proceedings of the 1st Workshop TeReCom (JURIX 2017). <http://ceur-ws.org/Vol-2049/04paper.pdf>

[4] *ContractFrames: Bridging the gap between Natural Language and Logics in Contract Law*. Navas-Loro, M., Satoh, K., Rodríguez-Doncel, V. JSAI-isAI 2018. LNCS (11717) Springer. <https://github.com/mnavasloro/ContractFrames>

[5] *Events in the legal domain: first impressions*. Navas-Loro, M., Santos, C. Proceedings of the 2nd Workshop TeReCom (JURIX 2018). <http://ceur-ws.org/Vol-2309/05.pdf>