

PhD Thesis

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

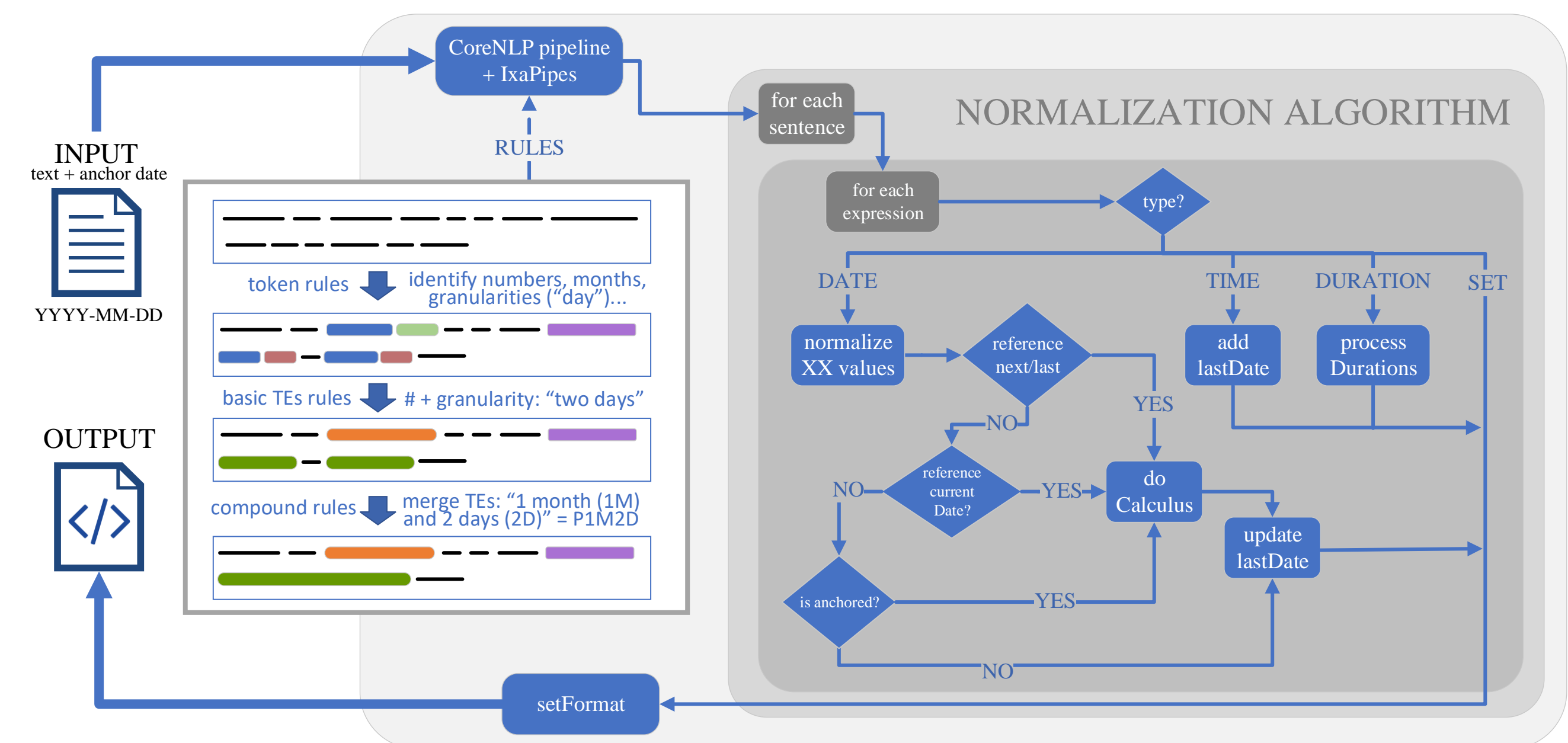
- Results**
- **Añotador**: temporal tagger for Spanish and English [1]
 - **TempCourt**: first corpus of judgments from different courts annotated with time expressions (with WUWien) [2]
 - **LawORDate**: webapp to process frequent misleading legal references in Spanish texts [3]
 - **ContractFrames**: 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

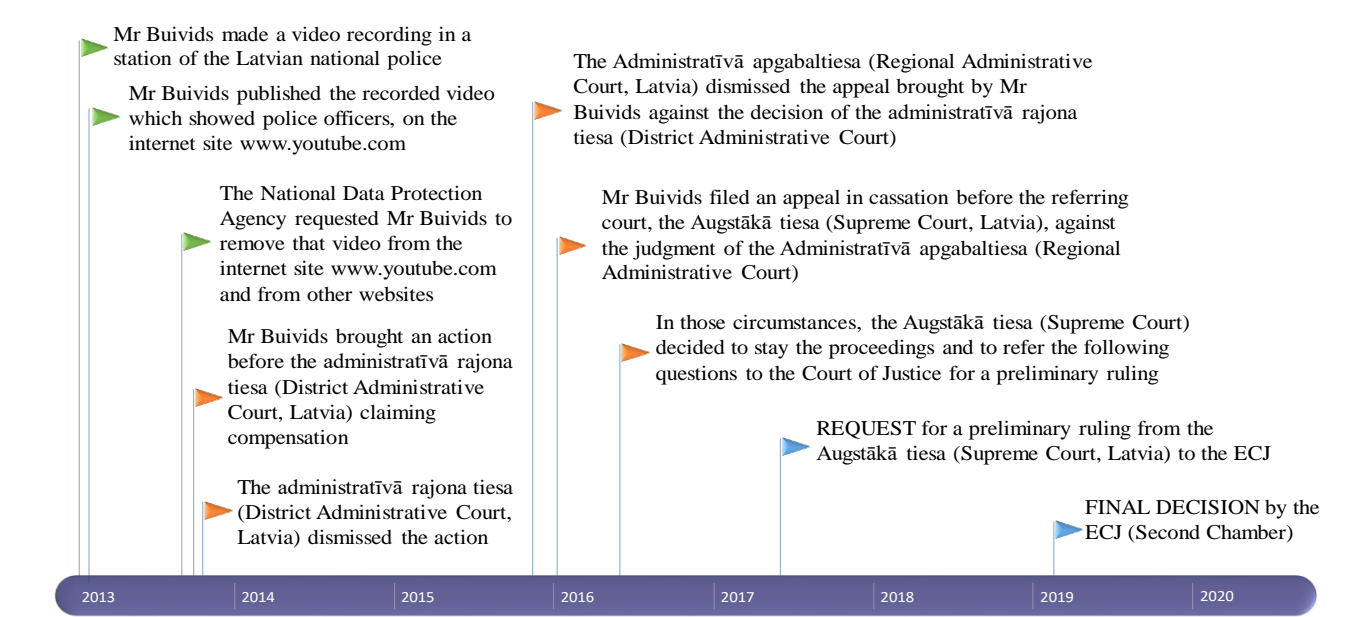
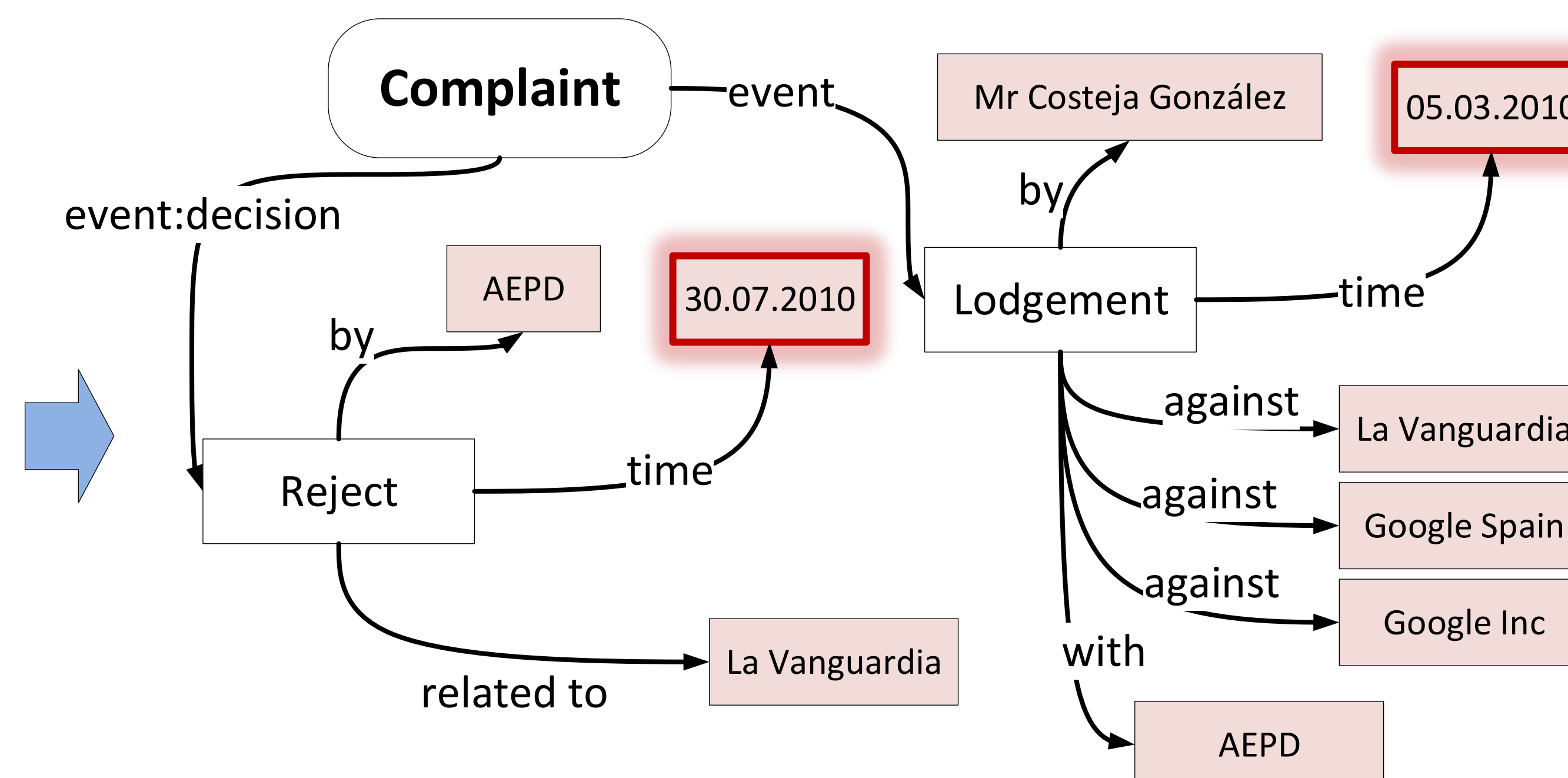


Expected result

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. (...)

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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>