

Processing Temporal Information in Legal Texts

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Research Idea

An event-based representation of judgments facilitates 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
- Many more!

Resources created

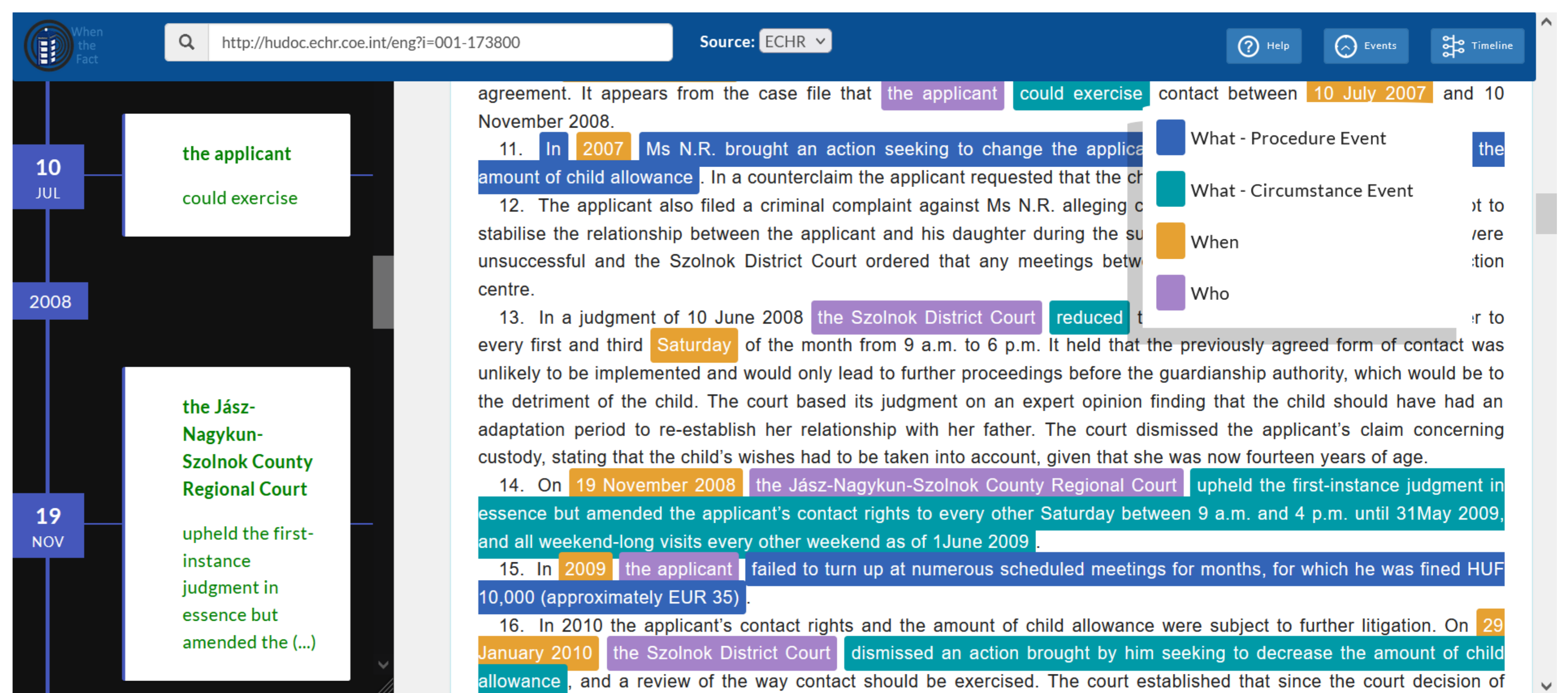
- **Añotador**: temporal tagger for Spanish and English used to find *when* things happen.
- **WhenTheFact**: service that finds relevant events in legal texts, including *what happened* and *who did it*.
- **FromTimeToTime**: suite of tools for temporal information representation including an ontology and a format converter.
- Several corpora, including **TempCourt**, **EventsMatter** and the **Hourglass** corpus.

1 We find the temporal expressions in a legal text

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. (...)

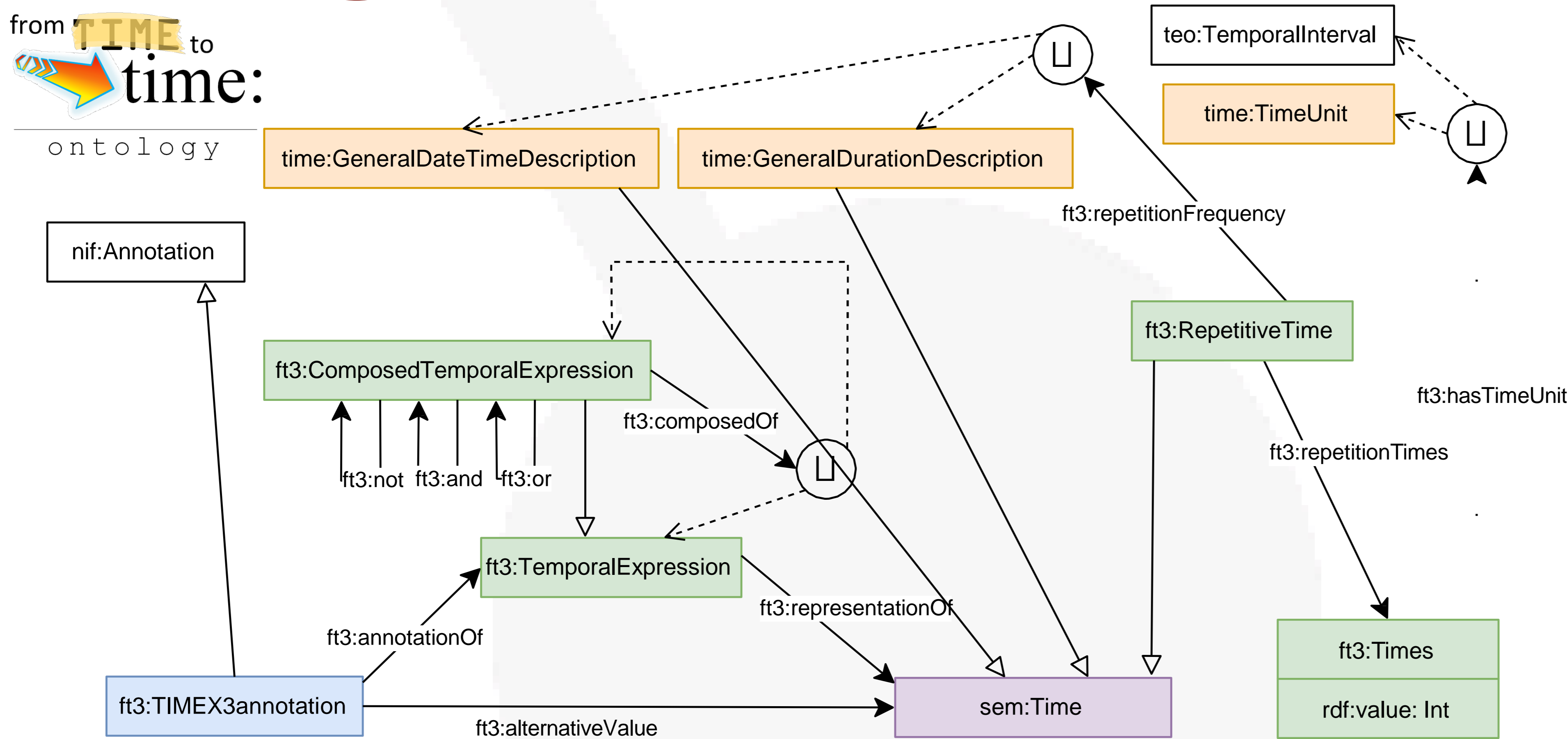
16
By **decision of 30 July 2010**, the AEPD rejected the complaint in so far as it related to La Vanguardia (...)

2 The service finds the events and allows to navigate through the decision building a timeline



<https://whenthefact.oeg.fi.upm.es/>

3 Reusable representation for different tasks!



<https://fromtimetotime.linkeddata.es/>



MORE INFO

[1] *Annotador: a Temporal Tagger for Spanish*. Navas-Loro, M., Rodríguez-Doncel, V. Journal of Intelligent and Fuzzy Systems. <https://annotador.oeg.fi.upm.es/>

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

[3] *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>