



AIUCD 2021

Hashtags as an information source. Analyzing tweets to map *La Terra dei Fuochi*

R. Manna, A. Pascucci, W. Punzi Zarino, V. Simoniello, J. Monti

{[rmanna](mailto:rmanna@unior.it),[apascucci](mailto:apascucci@unior.it),[wzarino](mailto:wzarino@unior.it),[vsimoniello](mailto:vsimoniello@unior.it),[jmonti](mailto:jmonti@unior.it)}@unior.it

Università degli Studi di Napoli "L'Orientale"

UNIOR NLP Research Group

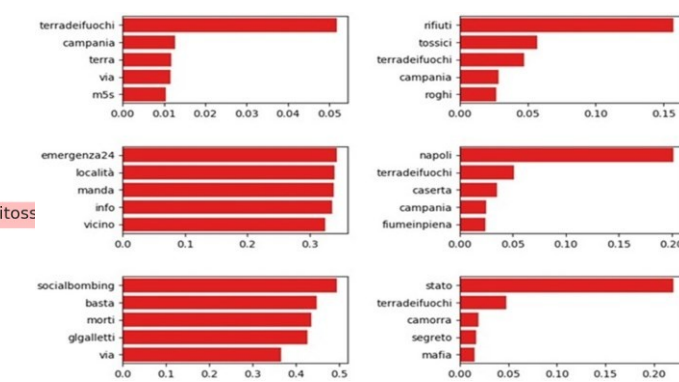
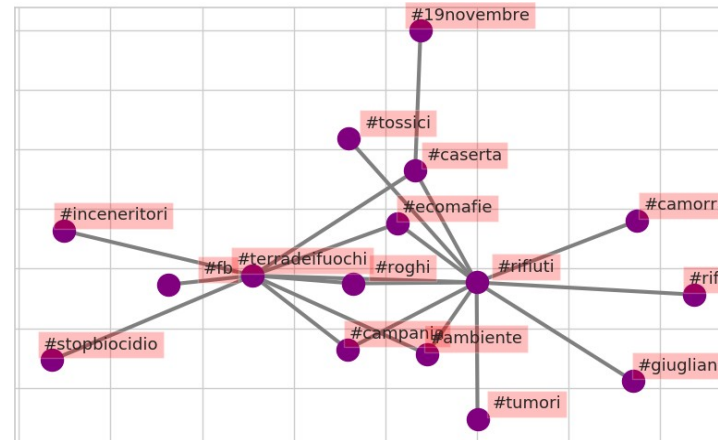
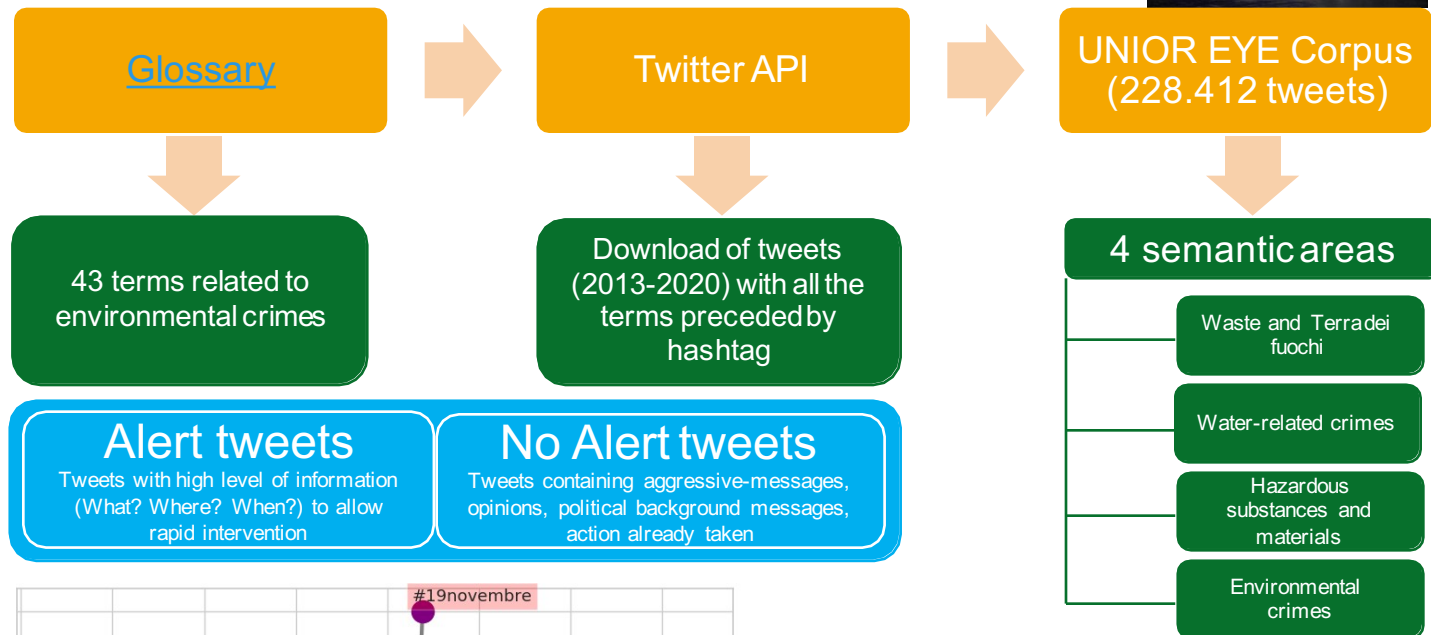


References

- [1] Chowdhury, Jishnu R., Caragea, Cornelia and Caragea, Doina. (2020) "On Identifying Hashtags in Disaster Twitter Data." *Proceedings of the AAAI Conference on Artificial Intelligence* 34, no. 01, 498-506.
- [2] Manna, Raffaele, Pascucci, Antonio, Punzi Zarino, Wanda, Simoniello, Vincenzo and Monti, Johanna. (2020) "Monitoring Social Media to Identify Environmental Crimes through NLP. A Preliminary Study." *Proceedings of the Seventh Italian Conference on Computational Linguistics (Clic-IT)*.
- [3] Murzintœv, Nikita, and Cheng, Changxiu. (2017) "Disaster hashtags in social media." *ISPRS International Journal of Geo-Information* 6.7, 204.
- [4] Peluso, Pasquale. (2015) "Dalla terra dei fuochi alle terre avvelenate: lo smaltimento illecito dei rifiuti in Italia." *Rivista di Criminologia, Vittimologia e Sicurezza* 9, no. 2, 13-30.

The [C4E project](#) aims at developing an innovative framework for the detection and monitoring of illegal spills, such as illegal landfills, micro-dumps or illegal releases in surface waters, and the organization of subsequent monitoring actions on site.

La *Terra dei fuochi* is a large area between Naples and Caserta (in the north of the Campania region, Italy) which has been plagued for about fifty years by illegal toxic waste routinely dumped by criminal organizations to make space for new one.



[Hashtag frequency map](#)