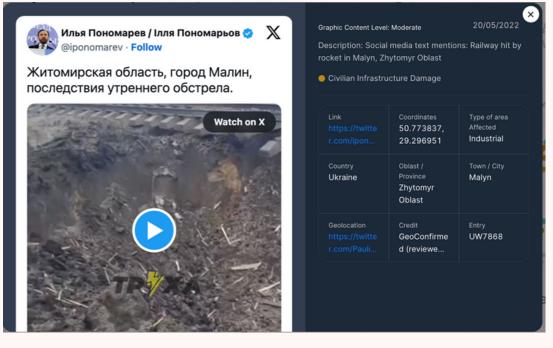
## CONVERTING AND ENRICHING GEO-ANNOTATED EVENT DATA:

Integrating Information for Ukraine Resilience

Manar Attar, Shuai Wang, Ronald Siebes and Eirik Kultorp





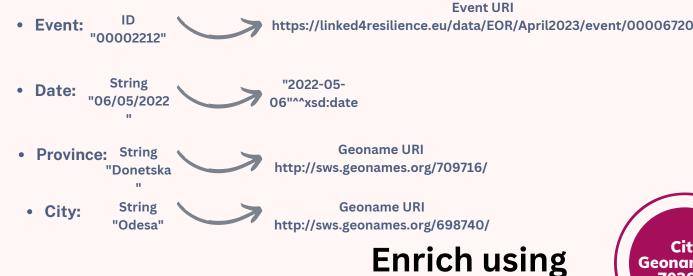
## INTRODUCTION

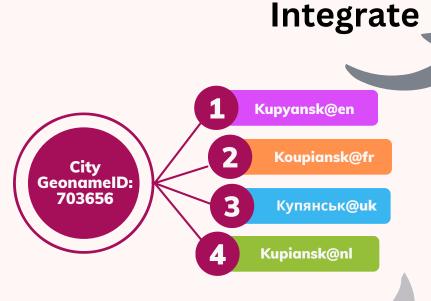
Our project uses Linked Data to unify and enrich geo-annotated event datasets, aiding in integrating critical information sources and fostering effective resilience projects in Ukraine and other war-related cases. It aims to tackle challenges brought by the Russian-Ukrainian conflict and leverage data transformation for positive societal impact.

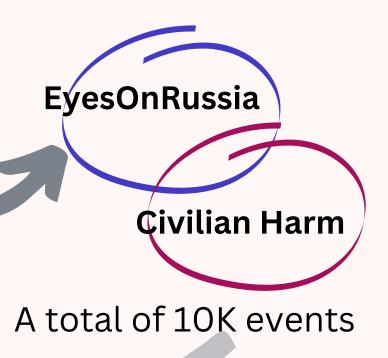


Eyes On Russia (https://eyesonrussia.org/)



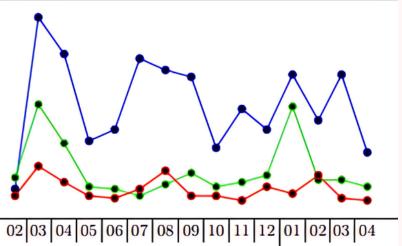






## USE CASES

Timelapse of damaging events about schools and hospitals. illustrates dates and their corresponding number of events about schools, universities, and hospitals between August 1st, 2022 and April 30th, 2023.



linked data

2) the monthly count of children

who lost their lives. 3) the severity by depicting the ratio of children's deaths to

Monthly record of attacks and

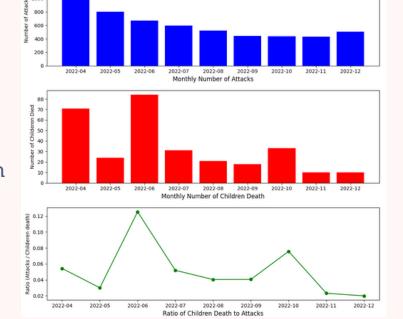
April 2022 and December 2022.

children's deaths between

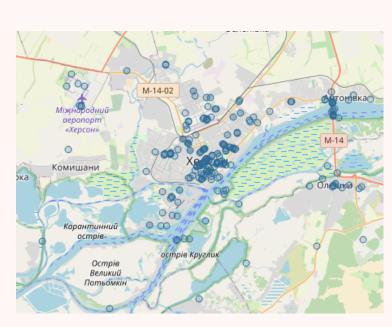
1)The monthly number of

attacks,

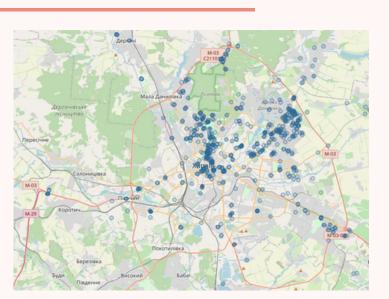
attacks

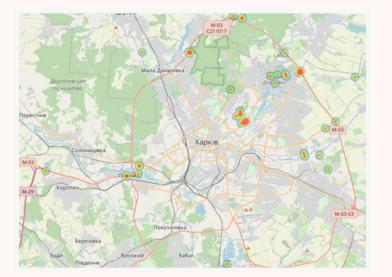


Events visualization. As a demonstration of the use of our integrated dataset, presents the result of a SPARQL query that retrieves events in Kherson in the integrated datasets between October 1st 2022 and February 28th, 2023



A map representation in Figure A of retrieved events in Kharkiv from integrated datasets. A heatmap in Figure B illustrates the location of damaging events in Kharkiv where there are no shelters within 1km distance. Based on the retrieved shelter data. the authors suggest building shelters to cover these areas.







Website: <a href="https://linked4resilience.eu/">https://linked4resilience.eu/</a>