



UBICITY

DATA EVERYWHERE

GENERAL

The enormous increase in the availability of public data (social media, forums, blogs, etc.) and the trend towards linking ever more mobile devices and consumer electronics with central platforms (Internet of Things etc.) are resulting in a huge and growing pool of data. Targeted evaluation of these sources has the potential to enhance efficiency in important domains, such as crisis and disaster management, and provide extended overviews and insights in real time, e.g. through the generation of situation maps.

PROBLEM

New methods of storage, analysis and visualisation are required to process and compare these vast amounts of heterogeneous data (Open Data), which are often incomplete, ambiguous or inconsistent. Experts of the Environmental and

Crisis & Disaster Management group at the AIT Austrian Institute of Technology are therefore developing cutting-edge methods and tools for the acquisition, analysis and visualisation of large data sets.

UBICITY

UbiCity is a scalable software platform for the storage, processing and visualisation of heterogeneous data flows and sources. Cutting-edge concepts and technologies are used to allow flexible adjustment to specific applications and easy integration into existing third-party and legacy systems. The AIT technology platform thus ensures flexible data management based on scalable big data technologies and provides the functionality required for the processing of diverse data channels and formats.

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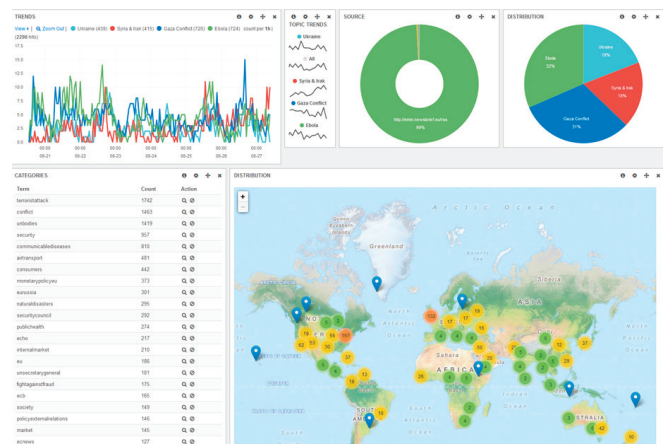


Fig.: News aggregation: trend analysis based on RSS feeds