



UrbanData2Decide

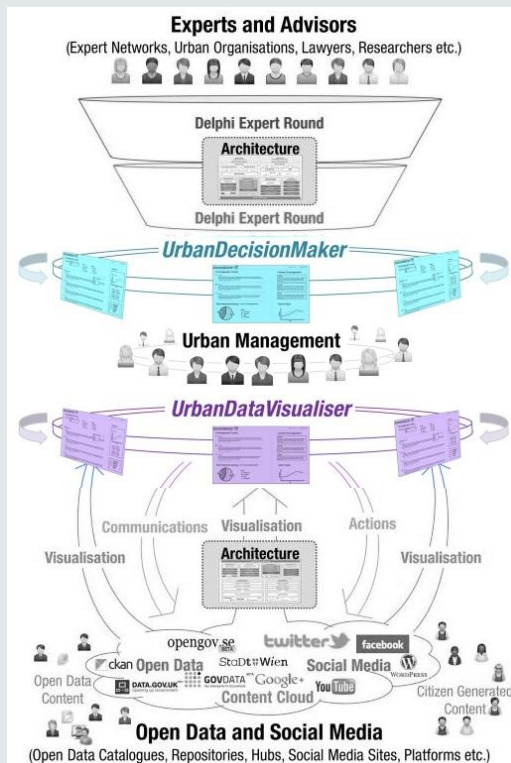
DATA VISUALISATION AND DECISION MAKING SOLUTIONS TO FORECAST AND MANGE COMPLEX URBAN CHALLENGES

VISION: Urban decision makers are nowadays faced with both unprecedented challenges as well as new opportunities as the environment around them grows ever more complex. Out of the readily available “sea of information” some sources potentially important to decision-making have so far remained largely untapped. The UrbanData2Decide project therefore aims to extract and process information from two rich sources, namely public social media and open data catalogues. This information, combined with advice from expert panels, will support local governments towards a holistic, sustainable and well-founded decision-making process which takes into account the views and perspectives of all relevant stakeholders.

KEYWORDS: Decision Support, Social Media Data, Open Data Visualisation

PROJECT CONCEPT: Building on the broad data pools in the form of social media content and open data sets, the *UrbanDataVisualiser* will aggregate, structure and visualise this data using a multi-layered and multi-dimensional approach. The framework will extensively use data mining, sentiment analysis and visualisation techniques and lead to the development of a proof-of-concept demonstrator to showcase the information using intuitive and clear dashboards.

The *UrbanDecisionMaker* on the other hand will complement this bottom-up approach by integrating external experts and advisors using scientific multi-round expert integration methods and tools such as the Delphi method, a structured communication technique, developed as a systematic, interactive forecasting method which relies on a panel of experts.



DURATION

26 months
09/2014 - 10/2016

COORDINATOR

SYNYO GmbH

CONSORTIUM

- SYNYO GmbH (AT)
- University of Oxford (UK)
- Malmö University (SE)
- Open Data Institute (UK)
- IT University of Copenhagen (DK)
- Centre for Social Innovation (AT)

PROGRAMME

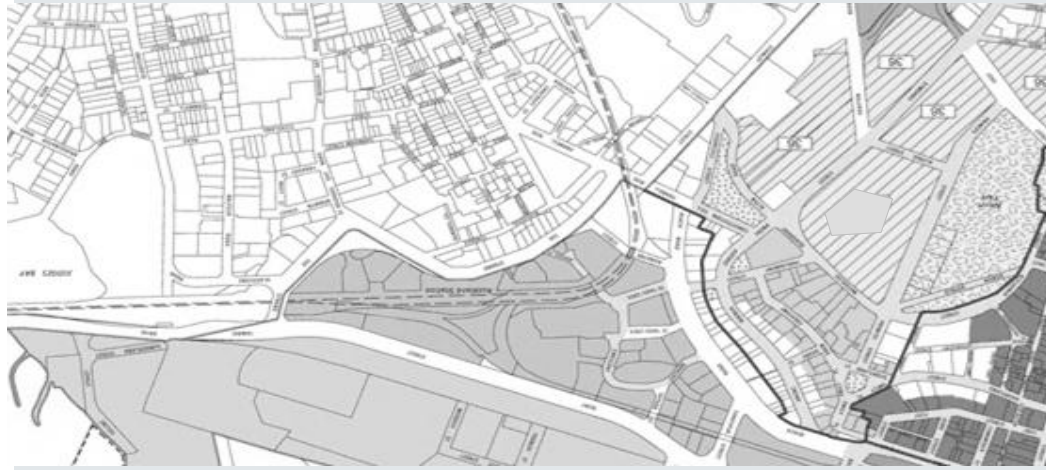
Joint Programming Initiative
Urban Europe



CONTACT

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SYNYO

Consortium

SYNYO GmbH

SYNYO is an innovative company based in Vienna and structured into the divisions of research, development and advisory. Focused on "ICT & Society", SYNYO follows a research-oriented approach, holds in-depth expertise in technical development, social research, and merges these areas successfully within applied research projects.

www.synyo.com



University of Oxford

The University of Oxford is one of the world's leading universities. It teaches and conducts research across the natural, medical and social sciences and humanities. The Oxford Internet Institute is a department in the University's Social Science Division, where research is arranged into four themes: governance and democracy, everyday life, social shaping of technology, and science and learning.

www.oii.ox.ac.uk



Malmö University

Malmö University was founded in 1998 and is a young, modern and international university. It's mission is to be an active hub for research, education, and innovation that benefit a global society. The Department of Urban Studies has approximately 2.500 students and 90 staff members. Teaching and research are carried out with the long term goal of building sustainable and attractive cities.

www.mah.se



The Open Data Institute

The Open Data Institute (ODI), founded by Sir Tim Berners-Lee and Professor Nigel Shadbolt, was officially launched in December 2012. As an independent, non-profit, non-partisan company, the ODI has a funded commitment to work with the UK Government. The institute seeks to offer the catalyst for the evolution of an open data culture, to create economic, environmental and social value.

www.theodi.org



IT University of Copenhagen

The IT University of Copenhagen provides internationally leading teaching and research to create new academic insight and new ways of using IT. It is a one-faculty university with researchers from different disciplines such as sociology, performance arts, psychology, computer science, and mathematics who focus on IT, its use, design and development.

www.itu.dk



ZSI - Centre for Social Innovation

The ZSI, Centre for Social Innovation, is an independent private non-profit institute established in 1990. Based in Vienna it is used to connect scientific and practical knowledge in support of social innovation to benefit an open and solidly united society. ZSI provides research, advisory services to public institutions, civil society organizations, network co-ordination as well as education providers.

www.zsi.at

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