



PoliVisu Partners:



Transforming policy making with advanced geospatial data analytics and visualisations



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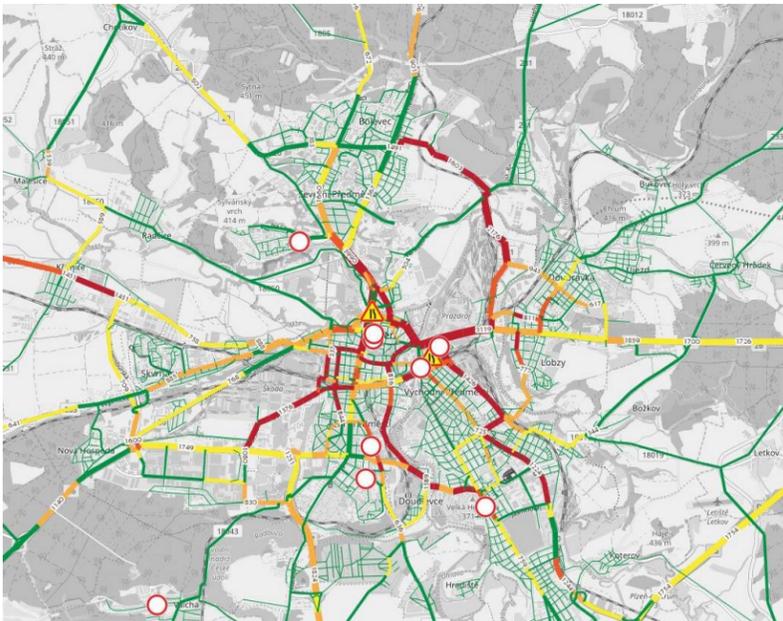
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Visualise | Discuss | Decide

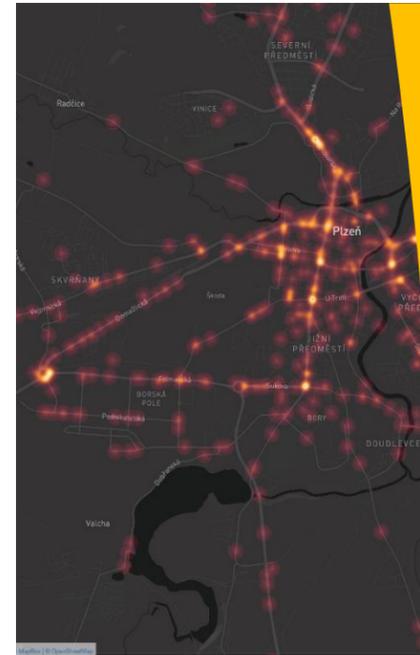


Agile policy making with city data

CLOSING THE GAP BETWEEN POLICY MAKING AND DAILY CITY OPERATIONS

Congestion is a growing problem across Europe accounting for nearly 40% of all CO2 emissions and 70% of other air pollutants. The knock on effect to the environment and public health is devastating. Yet policy making to combat the issue can be a long and laborious process with the results often out of date by the time they are ready to be implemented. Today's policy makers have a need to act urgently, working with city managers to craft, trial and assess short term measures, to more rapidly achieve their overarching policy goals.

PoliVisu transforms policy making by creating policy experimentation methodologies for use with visualisation tools that utilise open geospatial data to stimulate innovative thinking around complex mobility challenges. The use of **interactive maps, heat maps and charts** to understand user behaviour (e.g. shifts in traffic flows/volume due to changing events) enables all stakeholders to explore new policy ideas together in a holistic, comprehensive, systematic, analytic, and visual manner before deploying costly real-world solutions.



VISUALISE

PoliVisu visualisations create an evidence based view of the current situation enabling all stakeholders to understand the context of the policy challenge



DISCUSS

Drilling down into the data and changing scenarios helps stakeholders to visually see the potential impact of different policy options and as a result can better form opinions and give feedback



DECIDE

Policy makers can best select policy pilots based on visual impact modelling. Results of the pilots can be shown real-time on a digital map enabling agile monitoring and tweaking of the policy measure

POLIVISU VISION

PoliVisu enhances public involvement and support in urban policy making, by equipping decision makers with the skills and tools - from open (geo) data processing to advanced visualisations - to use big data for collaborative policy experimentation. As a result the city makes better sustainable policy decisions and manages operations more effectively.

Policy Ready Data

...turning city information into collaborative insight & action

A TALE OF THREE CITIES

GENT'S STORY

Gent, Belgium has the biggest student population across all of Flanders but only 14% are registered in the city. This challenge makes it hard for the city to understand student numbers and take their mobility behaviour into account when planning policy around their needs.

PoliVisu will help Gent pull together and visualise different datasets including mobile data, student lodging dataset, mobility data to create a multi-layered visual of student mobility which will be used to inform regional policy making.

ISSY'S STORY

The launch of an ambitious project, called Grand Paris Express, will lead to the construction of more than 200 km of autonomous metro in the Paris Region and it will improve public transport, however the construction process itself will have an impact mobility through the building of stations and multiple ventilation shafts.

PoliVisu will help Issy-les-Moulineaux improve mobility and the flow of traffic through traffic flow visualisations which will predict and follow in real time congestion to help users to have a better view of the situation and adopt more sustainable behaviours.

PILSEN'S STORY

Like many European cities Pilsen suffers from high levels of stationary traffic during peak commuting hours. The problems caused by volume is often exacerbated by road works for utility companies (gas, water, phone, electricity, optical cable etc.).

PoliVisu will enable Pilsen to create a traffic volume map with historic and real-time data from 1000 road sensors and 90 traffic lights. Combined with information about roadworks Pilsen will be able to make better daily decisions about roadwork logistics and undertake modelling exercises to inform longer term policy decisions.

