



BigPolicyCanvas

Transforming policy making through Big Data and Open Innovation

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769623.

Workshop at the European Big Data Value Forum

The second Big Policy Canvas (BPC) Workshop took place in the recent European Big Data Value Forum conference to announce the start of the collaboration between the project and the BDVA. The objective of the workshop was to engage the audience in the definition of the BPC Roadmap for future research directions in data-driven Policy Making. Find out in the link how relevant BPC and BDVA members gave their input in the interactive sessions and stay tuned for the first version of the Roadmap next spring.

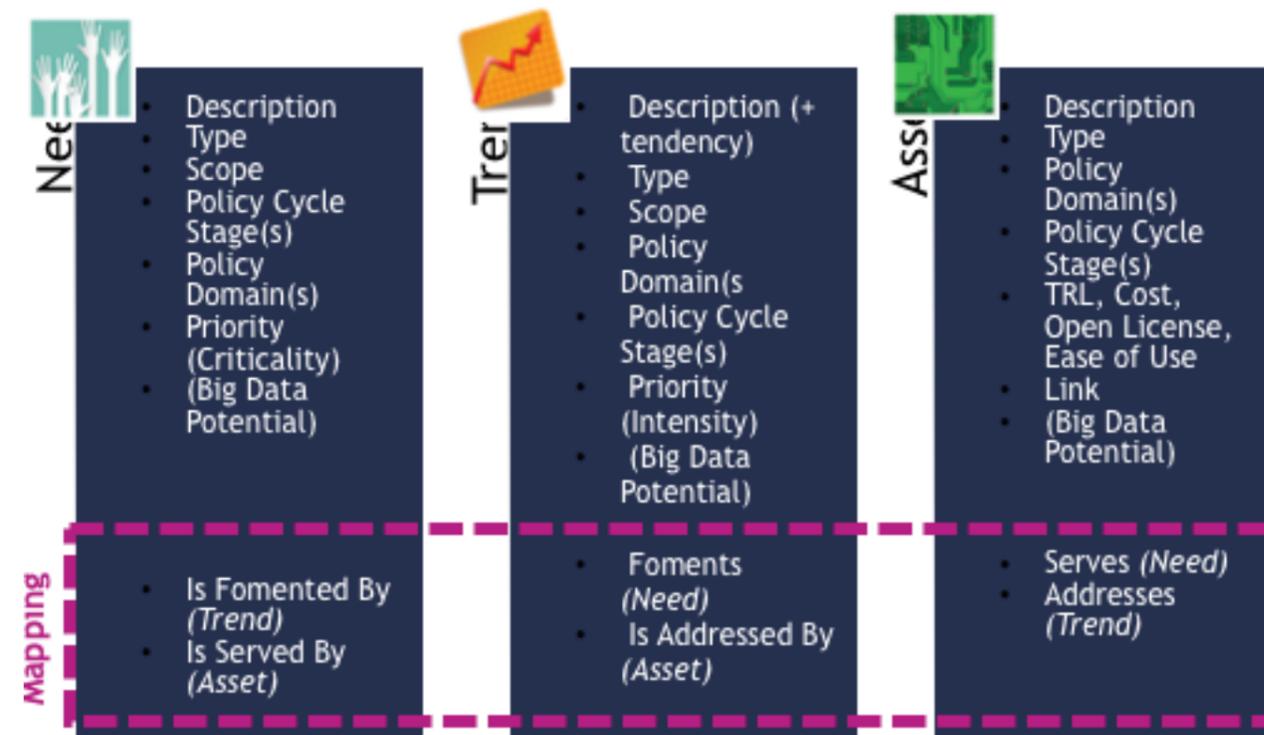
<https://www.bigpolicycanvas.eu/updates/news-events/big-policy-canvas-workshop-defining-future-decision-and-policy-making-through>



The Knowledge Base and how it can be used

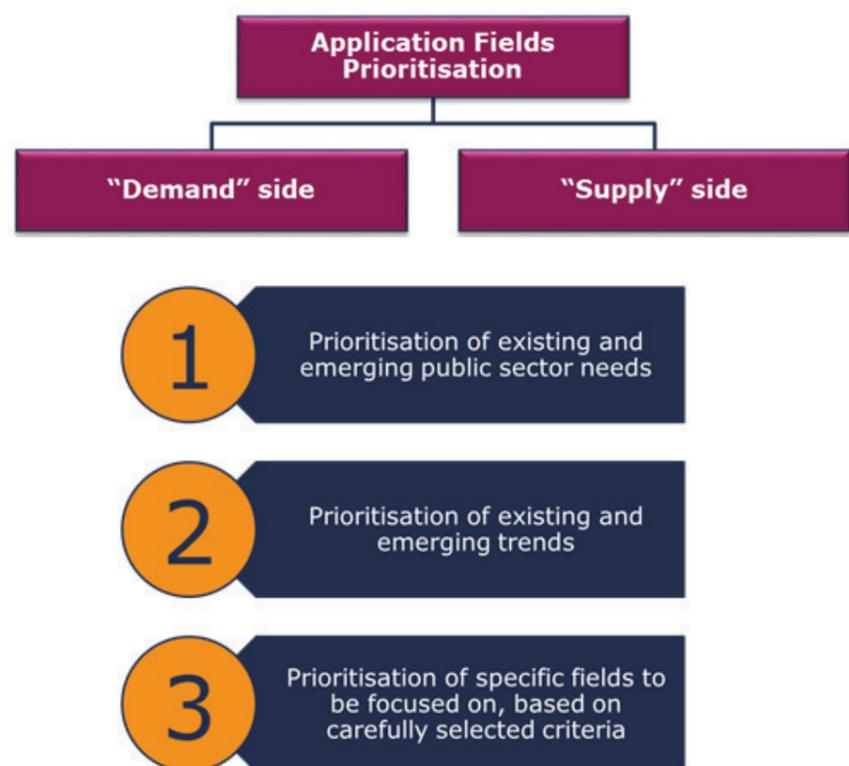
The BPC Knowledge Base is a state-of-the-art, online, dynamic repository that acts as the placeholder for all the knowledge that is produced during the project, structured along three dimensions; those of Needs, Trends and Assets. It is state-of-the-art in the sense that it incorporates the project findings on current and emerging needs and trends impacting public administrations and the policy making process in specific, but also on the pool of technological and methodological assets that can be used to accommodate them. It is online, integrated into and accessible through the BPC web site. Dynamic in the sense that it further provides a comprehensive mapping among the three dimensions: the needs, trends and assets. The Knowledge Base additionally is to act as the infrastructure for the updating and maintenance of the accumulated knowledge, both during and beyond the end of the project, with the view to facilitate its uptake and reuse by the public sector and the rest of interested stakeholders, thereby policy makers, public officials and researchers.

<https://www.bigpolicycanvas.eu/community/kb>



The BPC Assessment Framework

The Big Policy Canvas Assessment Framework is structured across three axes that are: the assessment and prioritisation of existing and emerging needs of public administrations, the assessment and prioritisation accordingly of existing and emerging trends that may impact the policy making process and the prioritisation of specific application fields based on selected criteria. The first two axes deal with the assessment of the "Demand" side, whereas the third axis presupposes the assessment of the "Supply" side and targets the identification of areas for intervention. The rationale for the assessment of both "Demand" and "Supply" lies in mapping needs, trends and assets against application domains, i.e. combinations of policy cycle stages and policy domains. The determination of Demand more specifically has to do with the determination of the number of needs and trends in each application domain, and the assessment of their criticality or intensity respectively. The determination of Supply on the other hand presupposes the identification of the number of assets in each application and the calculation of their score, as the aggregate of the factors "technology readiness level", "implementation/customisation cost", "ease of use", "open license availability", generated through the Analytic Hierarchy Process (AHP) multi-criteria decision making method. The comparison among Demand and Supply for each application field serves the prioritisation of application domains, and thereby the identification of those of greater interest, importance, urgency or capability for innovation.



Italian data portal

In our last Workshop on the BDVA Forum in Vienna in November Raffaele Lillo, former Italian Chief Information Officer presented the DAF: Data & Analytics Framework, which has the goal of improving and simplifying the interoperability and exchange of data between Public Administrations, promoting and improving the management and usage of Open Data, optimising activities of analysis and knowledge generation. The idea is to open the world of Public Administration to the benefits offered by modern Big Data management and analysis platforms. Thanks to this framework, it will be possible significantly enhance the value of PA's information assets through the preparation and use of analytical tools

designed to synthesise knowledge for decision makers, and the dissemination of information to citizens and businesses, optimise data exchange between PAs and Open Data deployment, minimising transaction costs for data access and usage, and Facilitate data analysis and data management by data scientist teams within the PA, in order to improve knowledge of the phenomena described by the data and develop "intelligent" applications, as well as take initiatives to promote scientific research activities on application themes of interest to the PA.

Learn more about this interesting use case for Data Analytics in the public sector and visit the Knowledge Base.

<https://www.bigpolicycanvas.eu/community/kb/italian-data-analytics-framework-daf>



The X-Road platform Estonia



The University of Tartu presented on our second Big Policy Canvas Workshop Estonia's solution X-Road, a platform that allows the secure exchange of data in order to provide efficient public services for citizens and companies. X-Road is a centrally managed distributed data exchange layer between information systems that provides a standardised and secure way to produce and consume services. By comprising data from several services, the data exchange layer also allows real-time economic

monitoring, forecasting and evidence-based policymaking. The Data has been preprocessed, modeled and visualized by the University of Tartu. The goals are amongst the monitoring, the providing of input for probability based decisions and the forecasting for planning, the usage of behavior predicting services based on machine learning to change behavior.

Read the last paper on how public services are taken up by the Estonian population.

<https://www.sciencedirect.com/science/article/pii/S0736585318309390>

Smart Start – an Interview with CentERdata

On the 17.12.2018 we conducted an interview with CentERdata to learn more about another interesting application of Data Analytics in the social and youth domain. In the project "Smart Start", a consortium consisting of several stakeholders in the social domain in Tilburg develop a data-driven

and fact-based approach with which professionals and policy makers can prevent adverse childhood experiences. CentERdata and the Tilburg University contribute to this project with their knowledge and expertise in the area of Data Science.

<https://www.centerdata.nl/en/projects-by-centerdata/smart-start-0>





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