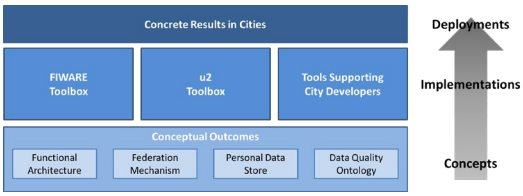
For City Planners

Smart City Tool Box

Brought to you by the Horizon 2020 EU-Japan Project CPaaS.io

CPaaS.io
City Platform as a Service – Integrated and Open

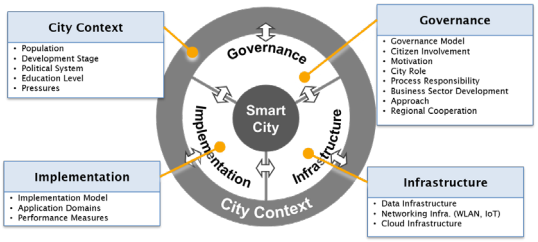
The CPaaS.io project has resulted in a set of conceptual outcomes, concrete tools and city deployments that will live on beyond the project, as shown in the figure to the right. The foundation for all results are a number of conceptual outcomes that are relevant for the platform as a whole and across the regions. The concepts are implemented using specific tools for the two implementation platforms, one for FIWARE-based implementations and one for u2-based implementations. A third toolbox contains instruments that make life easier for city planners. And finally, the project has resulted in concrete use case deployments in various cities in Japan and Europe, using the tools provided by the project.



In this flyer, we highlight the tools that support city planners for making their cities smart. For all the rest and more details, please visit http://www.cpaas.io/

Toolbox for City Planners

Smart City Strategy Framework

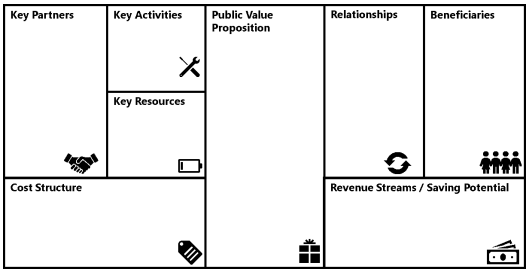


The Smart City Strategy Framework provides a tool for comparing smart cities in an international context and supports cities in the formulation of new strategies.

The framework consists of a morphological box, with the 19 elements grouped into 4 dimensions: City context, governance, implementation and infrastructure. For each element, 2-6 possible manifestations are defined. Morphological analysis is a well-suited For method for studying and analyzing complex problem fields that are inherently non-quantifiable, contain non-resolvable uncertainties, cannot be casually modeled or analyzed, and require a judgmental approach.

For further information, see https://cpaas.io/?page_id=1169#strategy_framework or the following research paper: Haller, Neuroni, Fraefel, Sakamura, *Perspectives on smart cities strategies*, 2018. doi: 10.1145/3209281.3209310.

Smart City Application Blueprint Template



Since every city has specific characteristics, smart city applications are not transferable without adaption to its context. The Smart City Application Blueprint Template supports such an adaption well. The template guides through the problem-solving cycle and assists in the abstraction and concretization process of a smart city application and with that help in the adaption process.

The blueprint template covers important categories along the value chain of smart city applications. It considers processes, architecture views, hardware, software, possible project and communication plans, supporting the creation of public value within a smart city. Of particular interest are: the Smart City One-Pager, and the Smart City Canvas based on Osterwalder's Business Model Canvas.

For further information, see https://cpaas.io/?page_id=1169#blueprint_template or the following research paper: Pfister, Haller, Klein, *Towards a Smart City Blueprint Template*, 2019. https://www.thinkmind.org/index.php?view=article&articleid=icds_2019_2_10_10013

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