Smart City
Application Blueprint Template
Worksheets

Since every city has specific characteristics, smart city applications are not transferable without adaption to its context. The *Smart City Application Blueprint Template* at hand 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. The objective of the blueprint template is to create a description of the system without enforcing specific implementation methods. It considers processes, architecture views, hardware, software, possible project and communication plans. Further aspects support the creation of public value within a smart city application as well as the operation and optimization of an application set in place.

The worksheets in this document cover two of the most important aspects of the complete blueprint:

- **The Smart City One-Pager**, giving a summary and overview of the blueprint and its use case. The One-Pager guides through the development of the application and shows which aspects need to be re-evaluated when adapting an existing blueprint to another city.
- **The Smart City Canvas**. Based on Osterwalder & Piguer's Business Model Canvas (BMC) – a well-recognized tool in the business world for the creation of innovations and the associated development of new business fields – it helps a city to capture the esseance of the planned application. Its focus is not in creating profit like the BMC, but rather in creating public value.

These worksheets can be used in workshops with city officials.

References:

- Christian Pfister, Stephan Haller, und Eduard Klein. 2019. Towards a Smart City Blueprint Template. In Proceedings of the 13th International Conference on Digital Society and eGovernments – ICDS 2019, Athens, February 24-28, 2019, pages 30-36. https://www.thinkmind.org/index.php?view=article&articleid=icds_2019_2_10_10013

- CPaaS.io Website: https://cpaas.io/?page_id=1169#blueprint_template

Smart City Blue Print One-Pager

Smart City Blueprint One Pager						
Value Proposition – Creation of Public Value						
Requirement specification						
Ownership / Contact						
	Data collection	Data carriage	Data storage	Data analytics	Data market place	application layer
Affected:	[ ] yes	[ ] yes	[ ] yes	[ ] yes	[ ] yes	[ ] yes
Supporting activities:						
Sourcing						
Governance & Risk Management						
Data Protection & Security						
Financing						
Realization						
Project organisation						
Roadmap						
Architecture	[ ] PaaS (Platform as a Service) (Name of Platform:) [ ] in-house development - [ ] minimal version | [ ] full value chain implementation					
Chain link spezific tools and technologies used:						

Data collection	Data carriage	Data storage	Data analytics	Data market place	Application layer
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Operation – Organisation and Optimization

Smart City Canvas

Key Partners	Key Activities	Public Value Proposition	Relationships	Beneficiaries
	Key Resources			
Cost Structure			**Revenue Streams / Saving Potential**	