



## Project Profile

# C<sup>3</sup>PO

## ICT collaborative platform for collective urban development

With five billion people likely to be living in cities by 2020, the challenges confronted by urban design can be tackled to no small degree by ICT through a Cloud collaborative and semantic platform for city co-design. This is the goal of the C<sup>3</sup>PO platform that covers the whole urban project development process whereby cities empower, encourage and guide different stakeholders to co-develop an urban project.

### ADDRESSING THE CHALLENGE

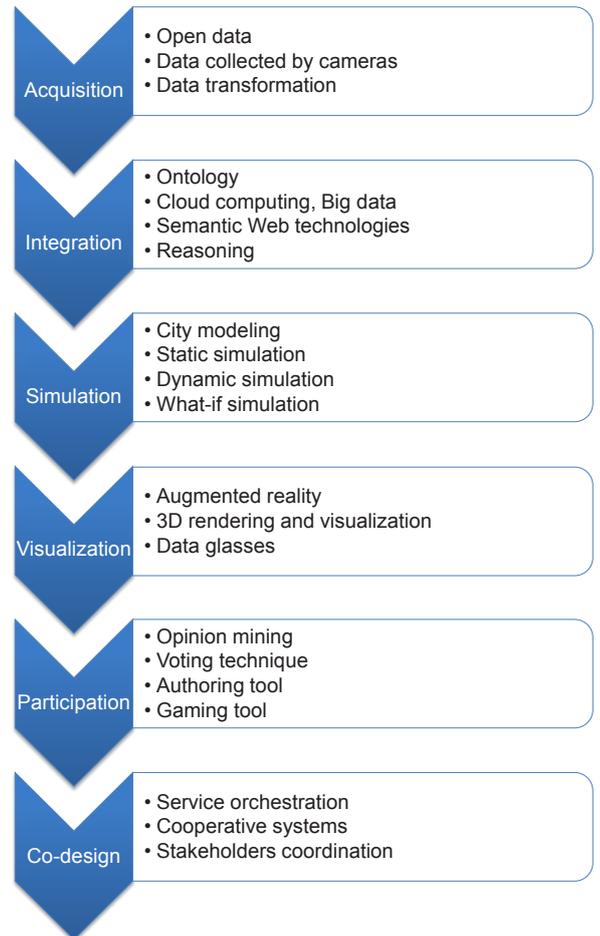
The urbanisation challenges posed to cities are immense: mitigating risk through better planning and prediction, integrating a new ecological context and mediating a range of stakeholders with vested interests (citizens, leaders in cities, architects, etc.) engaged in the urban development. C<sup>3</sup>PO is an open data-driven marketplace built around an infrastructure to facilitate interactions and transactions between stakeholders and ICT companies.

### PROPOSED SOLUTIONS

The ITEA 2 C<sup>3</sup>PO project will utilise existing applications and data sources, overcoming the limitations of current solutions in city co-design through integrating multi-dimensional information, design cooperation, dynamic simulation, versatile reporting and visualisation, and providing repository and platform scalability. As an open system C<sup>3</sup>PO will use standard and open API (Application Programming Interface) technologies and allow open access to its data assets. Thus C<sup>3</sup>PO offers a valuable opportunity for ICT companies that can extend the platform to cover the different steps of city co-design as well as benefit from a much larger dataset, making C<sup>3</sup>PO more attractive and encouraging the development of new applications.

### PROJECTED RESULTS AND IMPACT

C<sup>3</sup>PO will create value for the main actors involved in the C<sup>3</sup>PO ecosystem. Cities will be able to reduce both the cost and duration of their decision-making process and mitigate urban development risk through better planning and prediction. For citizens, participation in the city's decision-making process can enhance their living environment and sense of belonging as well as enable new ways for them to co-participate in the development of their environment. New business opportunities will be created for ICT companies by enabling new applications based on multi-domain collaborations: vertical integration, applications exploiting smooth and efficient data exchange between multi-domain stakeholders, and enhanced application value to current customers. Data providers will also gain in a win-win situation by making their data assets available to C<sup>3</sup>PO.



Information flow



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PENDİK  
BELEDİYESİ

**Project start**

December 2014

**Project leader**

Andy De Mets, Barco

**Project end**

November 2017

**Project email**

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ITEA is the EUREKA Cluster programme supporting innovative, industry-driven, pre-competitive R&D projects in the area of Software-intensive Systems & Services (SiSS). ITEA stimulates projects in an open community of large industry, SMEs, universities, research institutes and user organisations.

As ITEA is a EUREKA Cluster, the community is founded in Europe based on the EUREKA principles and is open to participants worldwide.