

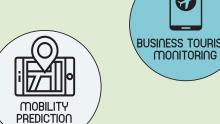




MANAGEMENT



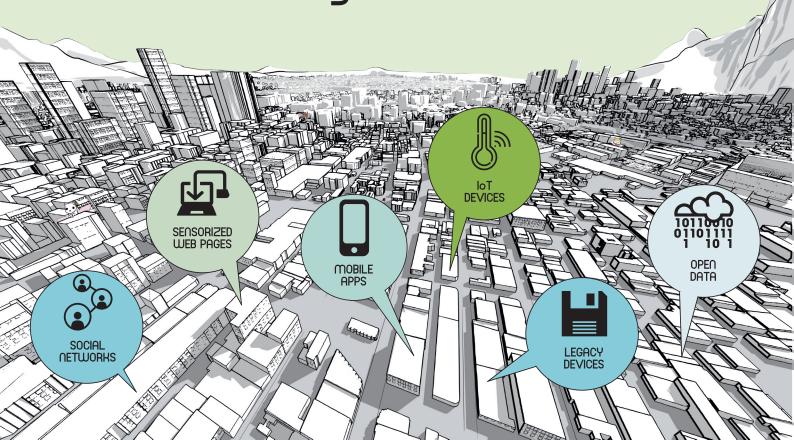








Distributed Intelligence for Smarter Cities

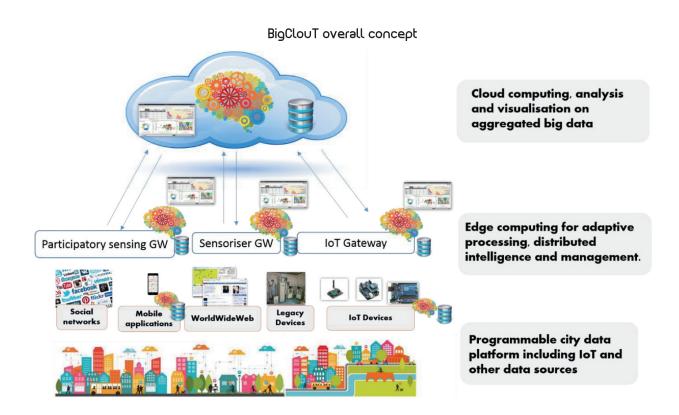


# BigClouT context and overall objectives

As we approach 2020, the world is facing a number of critical challenges such as global warming, economic crisis, security threats, inequality, natural disasters and ageing society. Urban areas are particularly affected, given that the world population is increasingly concentrated in cities. ICT solutions have the potential to change the world and improve the quality of life and security of its citizens. In particular, IoT, cloud and big data are today's key enablers for increasing the efficiency in using shared urban infrastructure, economic and natural resources.

The overall concept of the BigClouT project is to give an analytic mind to the city by creating distributed intelligence that can be implanted in the whole city network (see Figure below). The unprecedented number of connected things and the associated big data naturally raise new technical challenges in terms of interoperability, scalable and online data processing, actionable knowledge extraction, self-management, security and privacy.

The BigClouT project is bringing together resources and knowledge necessary from prestigious European and Japanese institutions for tackling those challenges. BigClouT will leverage the results of the ClouT project and bring them several steps further and add, in particular, distributed intelligence with edge computing principles, big data analytics capability and self-awareness property. The BigClouT platform will be deployed and validated in 4 pilot cities in the project, Grenoble, Bristol, Tsukuba and Fujisawa. BigClouT gives a particular importance to the involvement of citizens during the whole lifetime of the project, from use case definitions to validation.



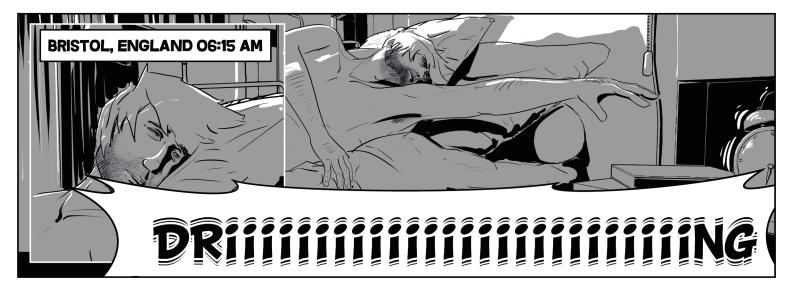
## BigClouT city trials

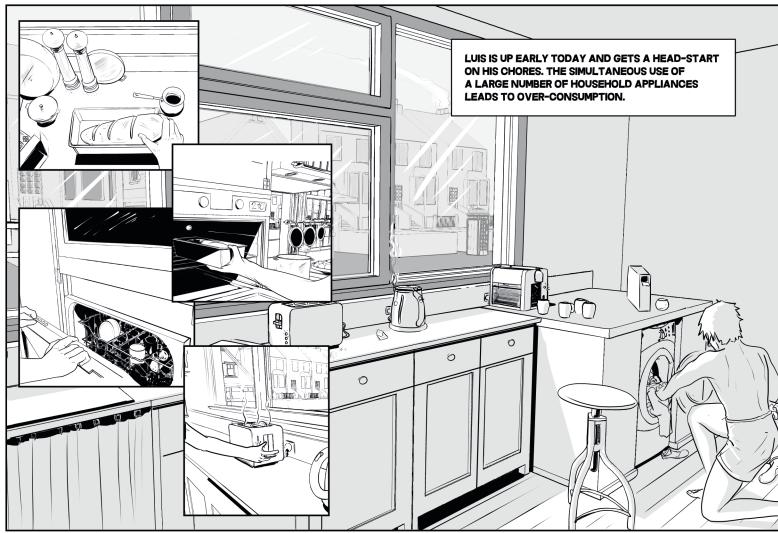
One of the core work of the BigClouT project is a set of real-world trials that will be running in the participant cities, i.e. Bristol, Fujisawa, Grenoble and Tsukuba City. These trials are designed to test the BigClouT architecture and platforms to ensure that technological developments meet the needs of cities allowing them to exploit BigClouT results to develop and deliver new Smart City applications and services.

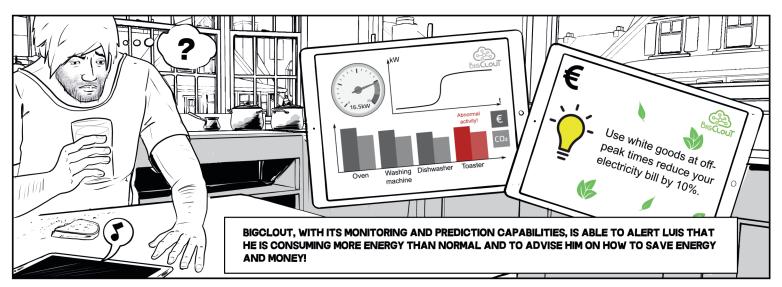


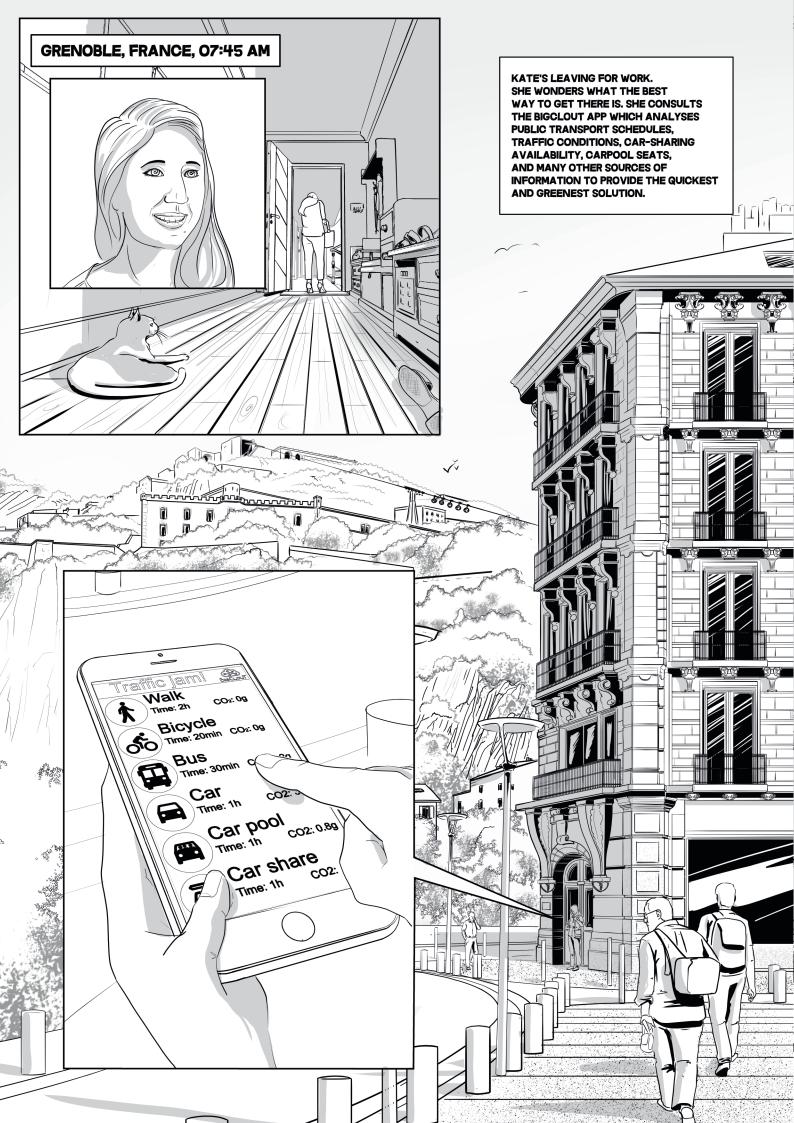
BigClouT pilot cities and trial scenarios

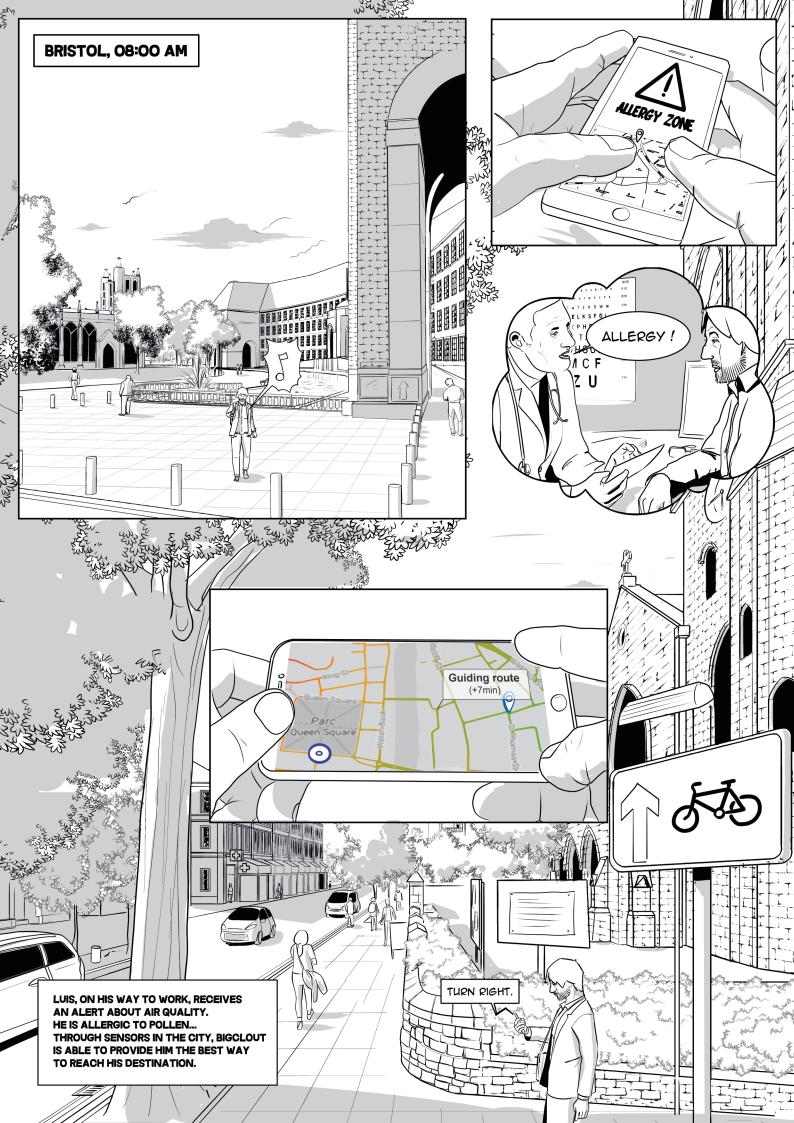
These trials will be a means to validate the BigClouT architecture and to fulfil the project objectives. The following comic presents these use cases and shows the possibilities offered by the BigClouT platform.

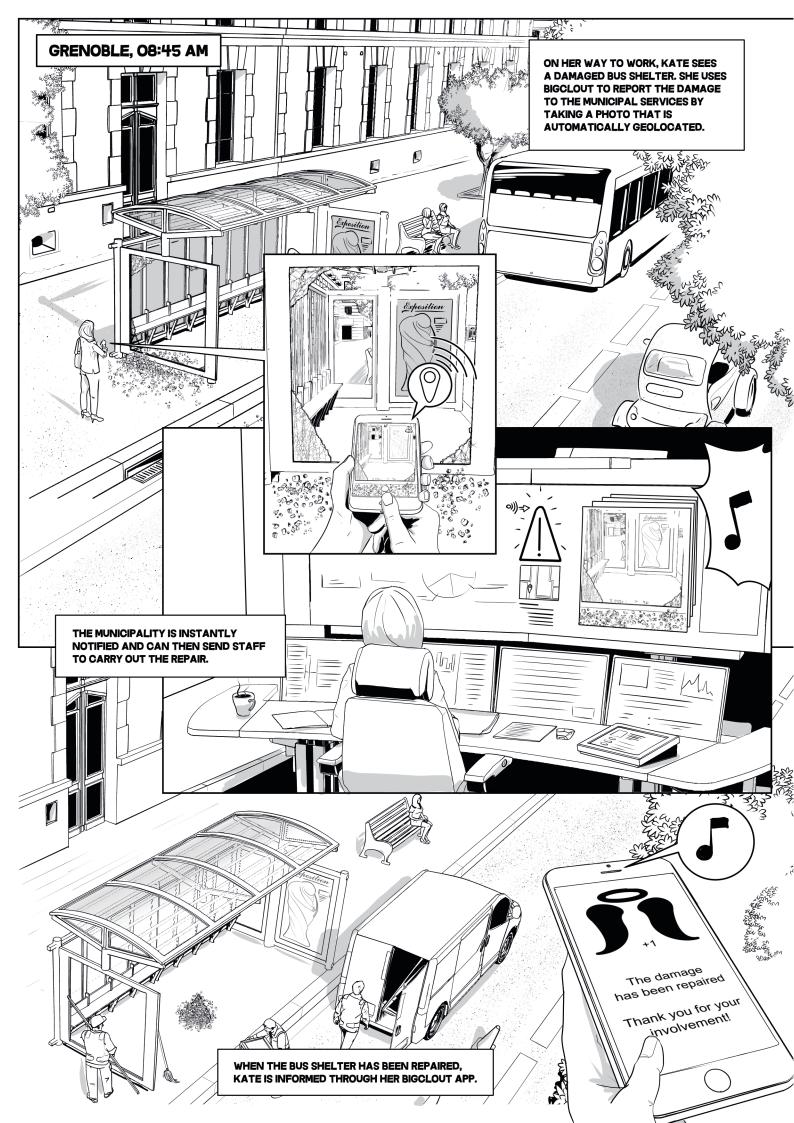


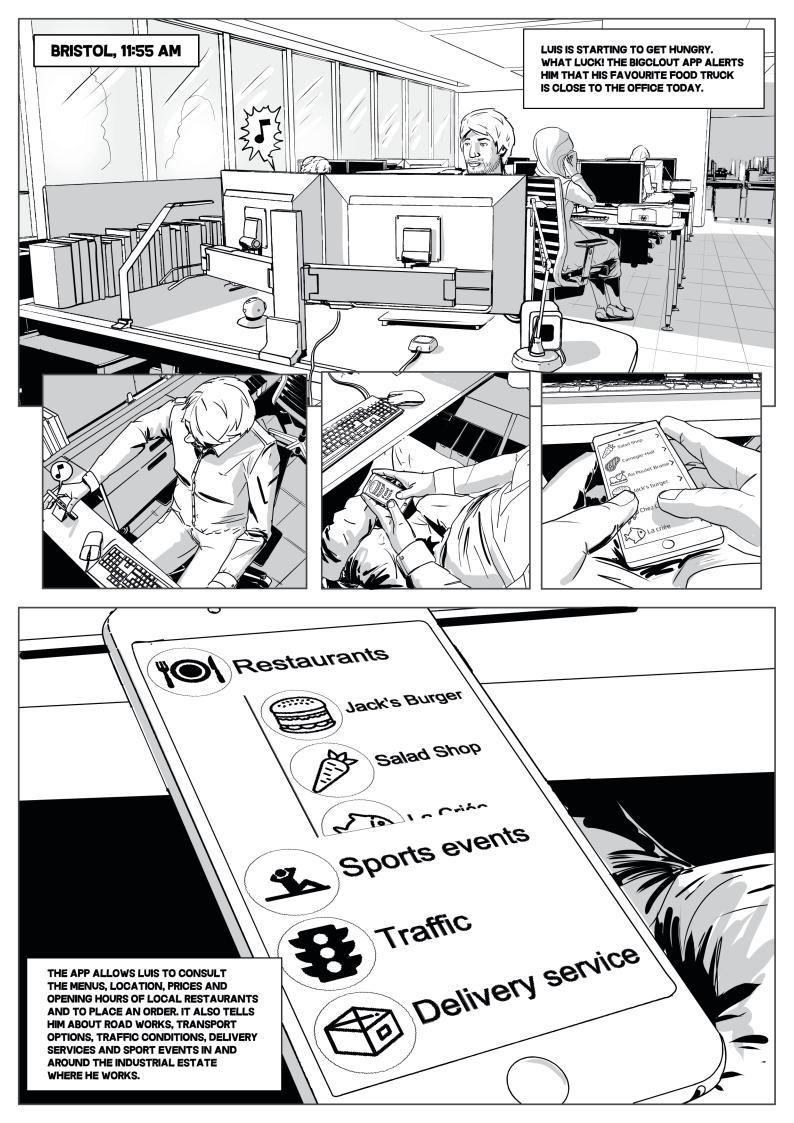


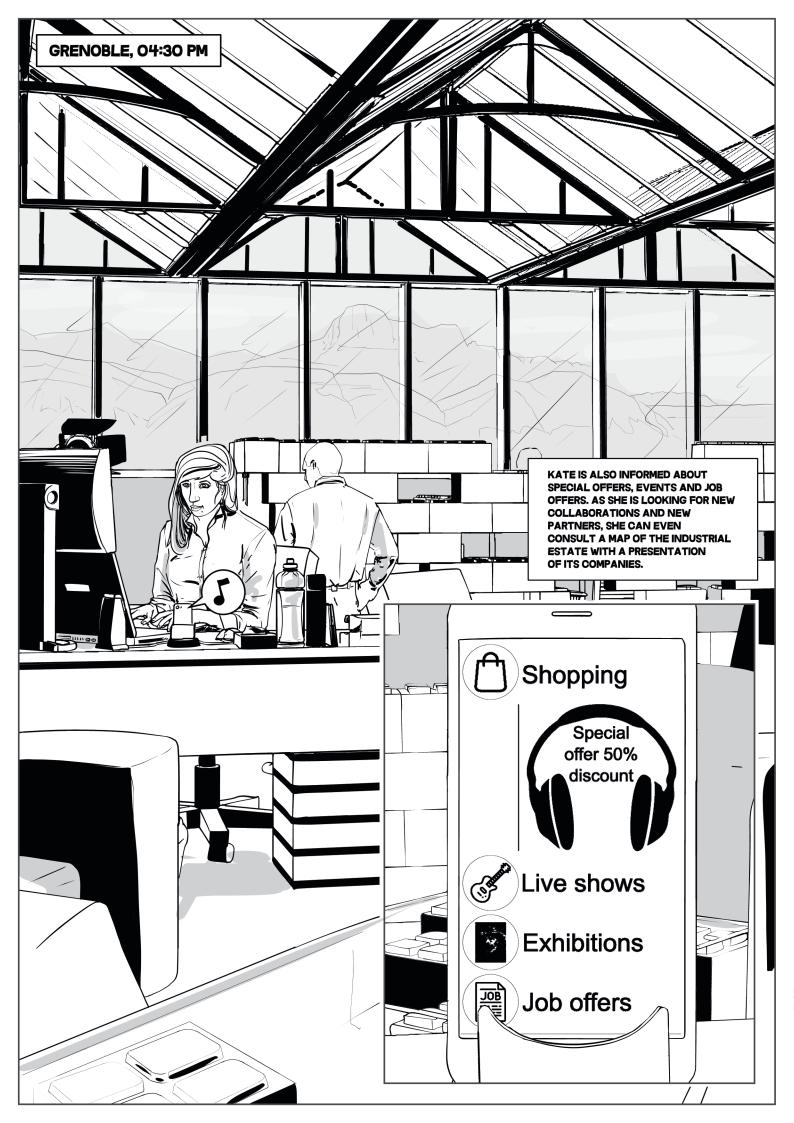


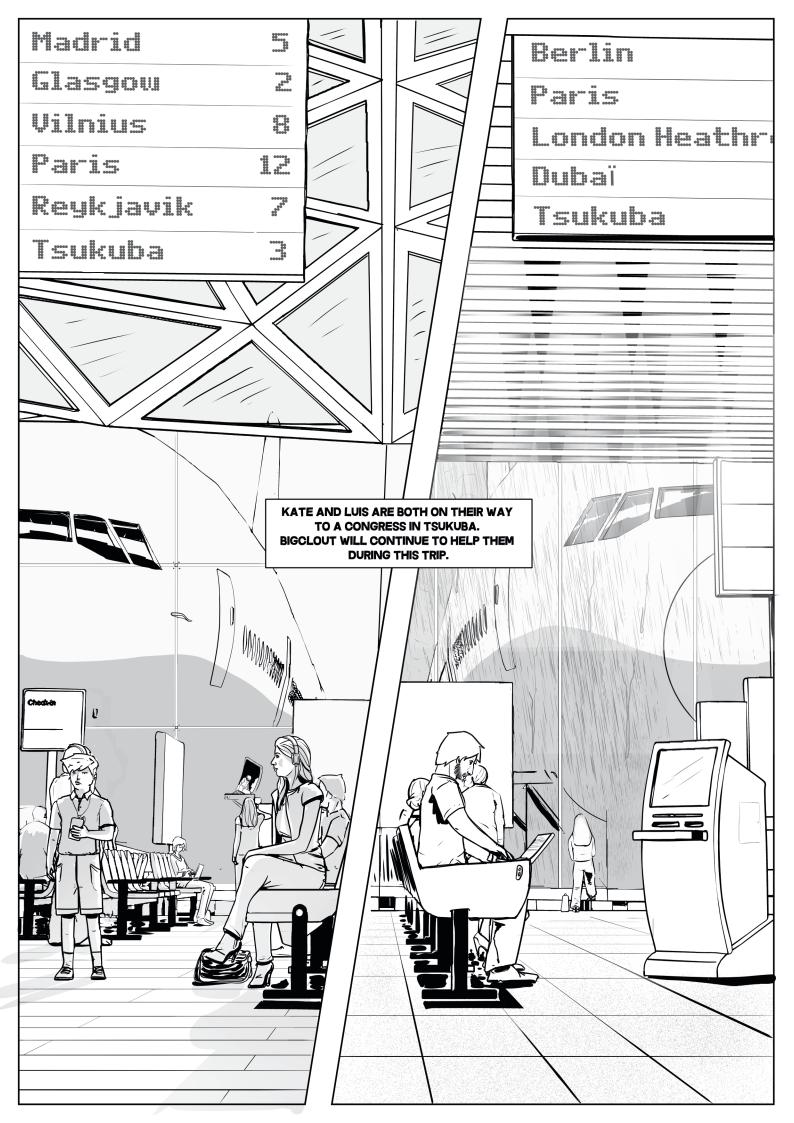


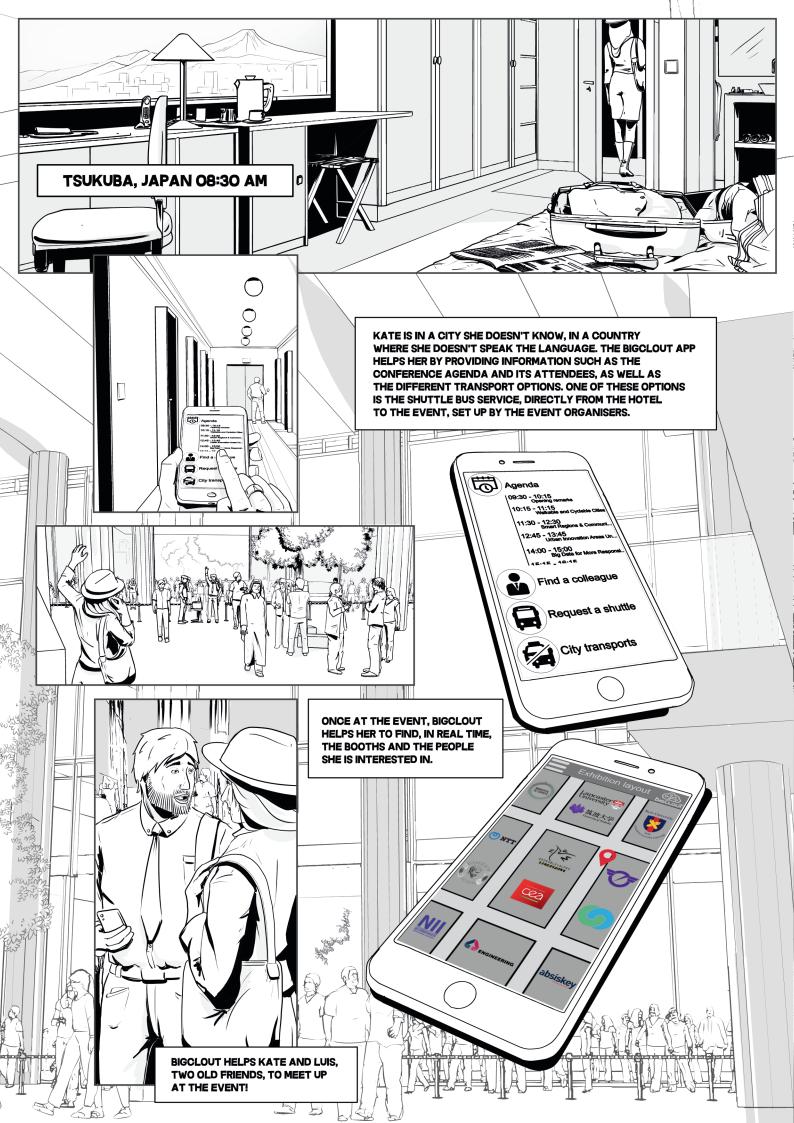














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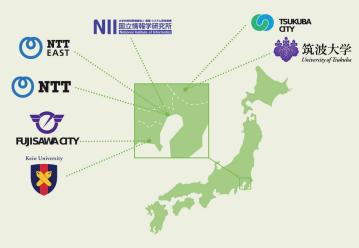
Drawings by



Etienne Giorgetti www.chat-noir.biz

#### **BIGCLOUT PARTNERS**









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