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**Keywords**  
Outdoor comfort, Climate change, Urban health, Urban resilience, Urban planning

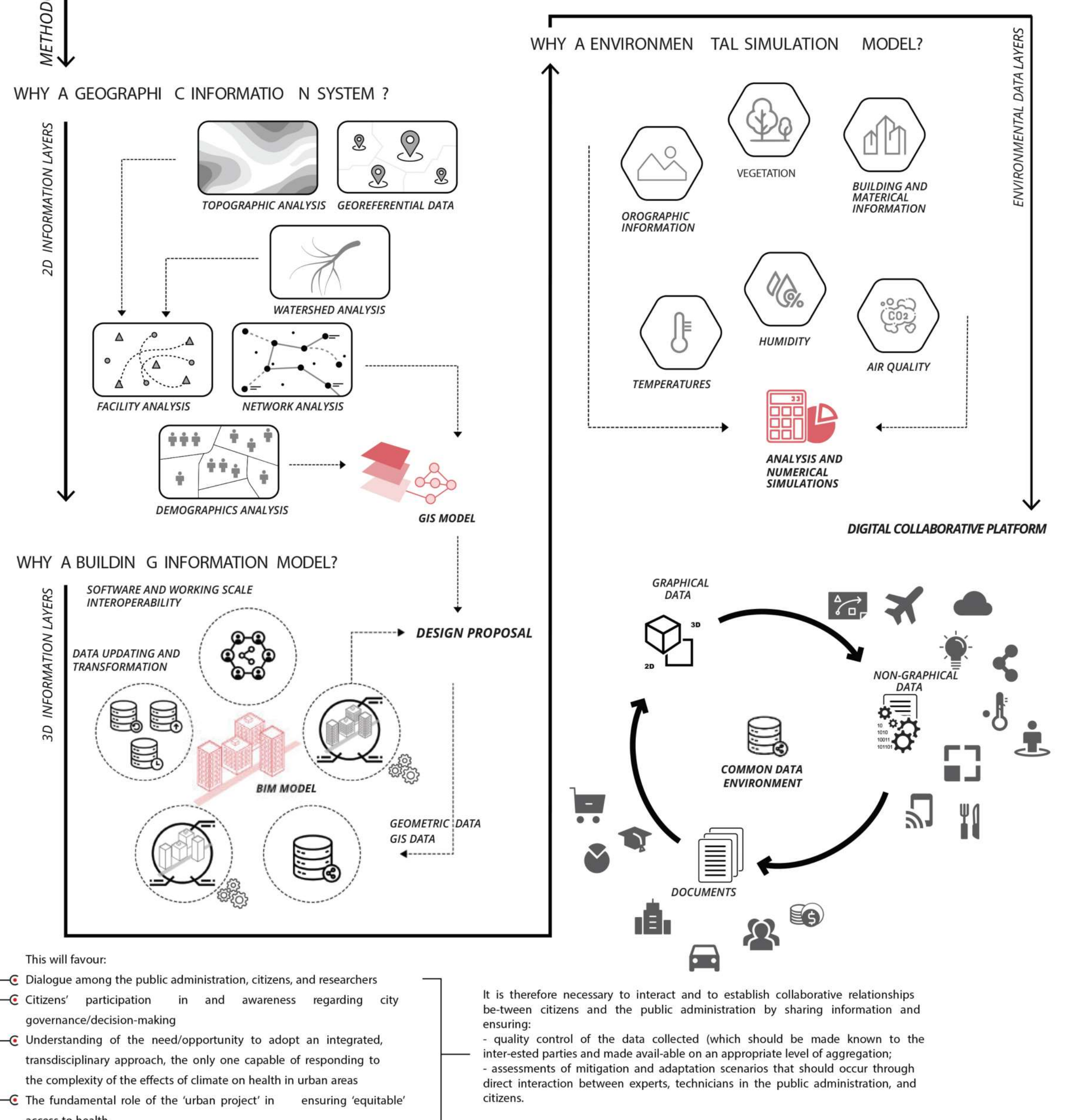
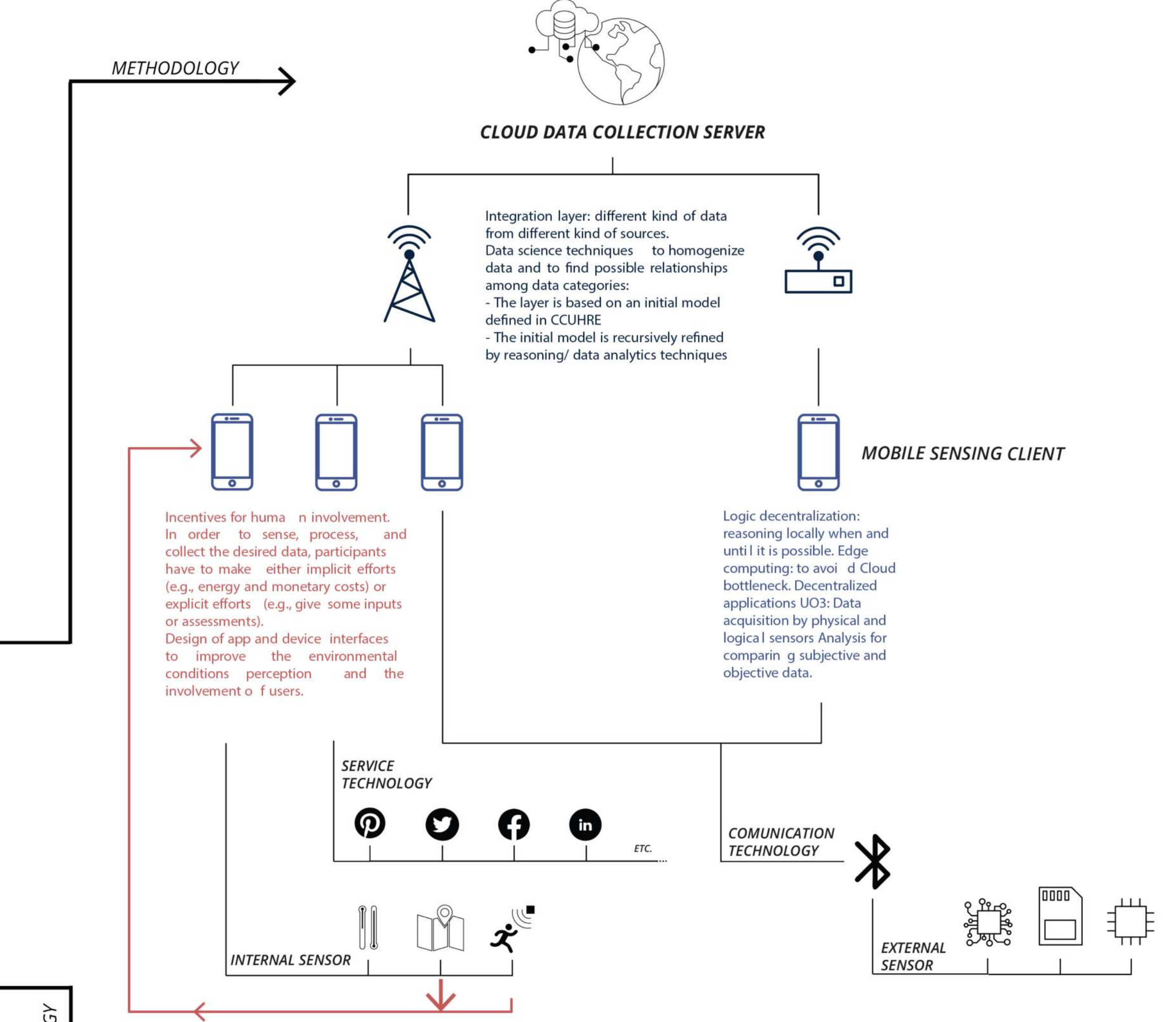
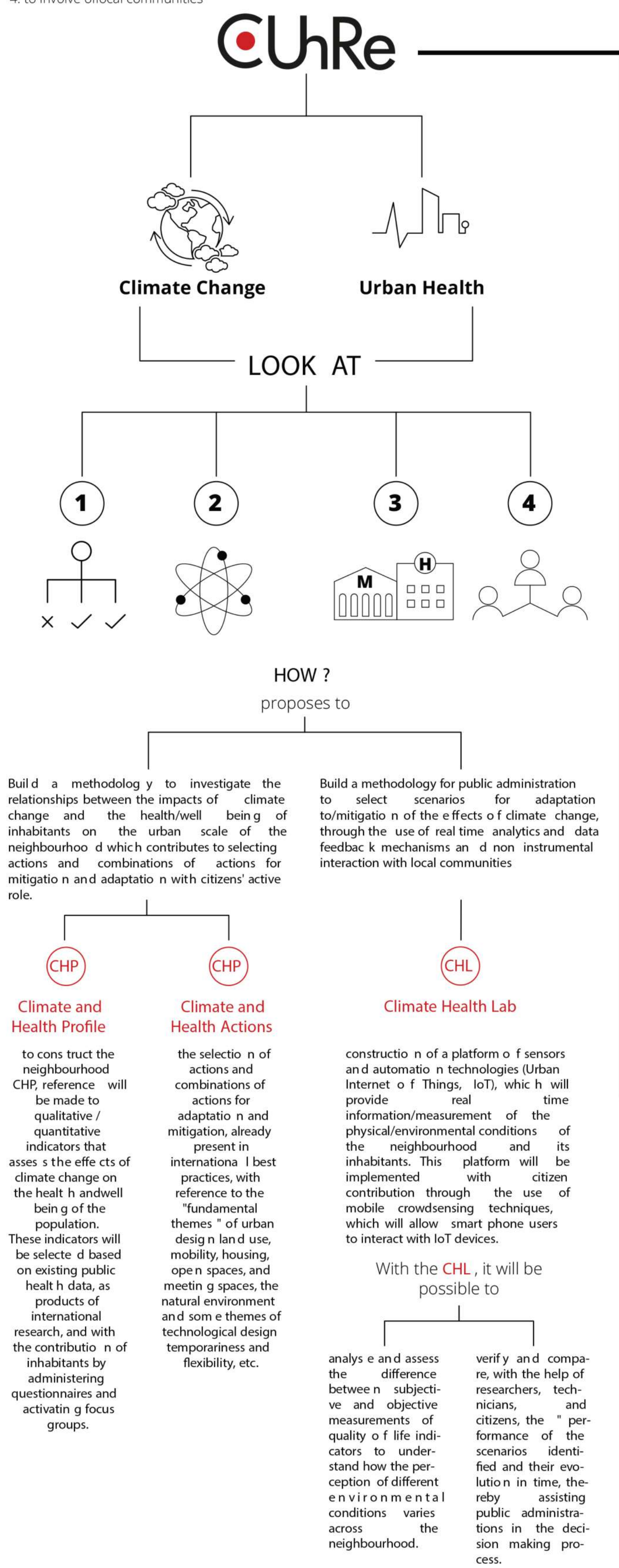
Regenerating the existing city and placing health at the centre of policies, plans, and projects represents an effect response to contrast the effects of climate change that impact cities and the health of inhabitants. Convinced of this need/opportunity are the World Health Organization (WHO), eminent international researchers, and public administration representatives in many European cities. However, a consolidated 'silo approach', which is common to the sectors of scientific research and public administration, does not permit the definition of common objectives, especially in small to medium-sized cities, or the formulation of integrated design proposals.

CCHURE aims to define a transdisciplinary method to evaluate the effects that climate change has on urban health, to direct policies for adaptation/mitigation through the contribution of many scientific disciplines, interaction with municipalities and local health agencies, and the involvement of local communities. This will be done with the support of new IoT (Internet of Things) technologies and mobile crowdsensing techniques in order to expand knowledge to measure/assess the effects of climate change on health, involve communities in designing shared plans for development, empower them when dealing with urban health and well-being, and support public administrations in making decisions.

**PROPOSAL**

Climate Change and Urban Health Resilience aims to define a transdisciplinary methodology:

1. to evaluate the effects that climate change produces on urban health,
2. to direct policies for adaptation/mitigation through the contribution of many scientific disciplines,
3. to interact with municipalities and local health agencies,
4. to involve local communities



**THE RESEARCH GROUP**



**Abstract**

The 'Climate Change and Urban Health Resilience' (CCHURE) project aims to define a method to assess the effects that climate change produce on urban health in order to guide adaptation/mitigation policies with the contribution from researchers, municipalities and local health agencies, and with citizen involvement. It uses new IoT technologies and proposes community involvement in designing shared scenarios for development to support public administrations when making decisions. The method proposed is organized in two main phases: building a methodology to investigate the relationships between the impacts of climate change and the health/well-being of inhabitants; and proposing a methodology for public administrations to select scenarios for adaptation to/mitigation of the effects of climate change, through the use of real-time analytics and data feedback mechanism and non-instrumental interaction with local communities.