

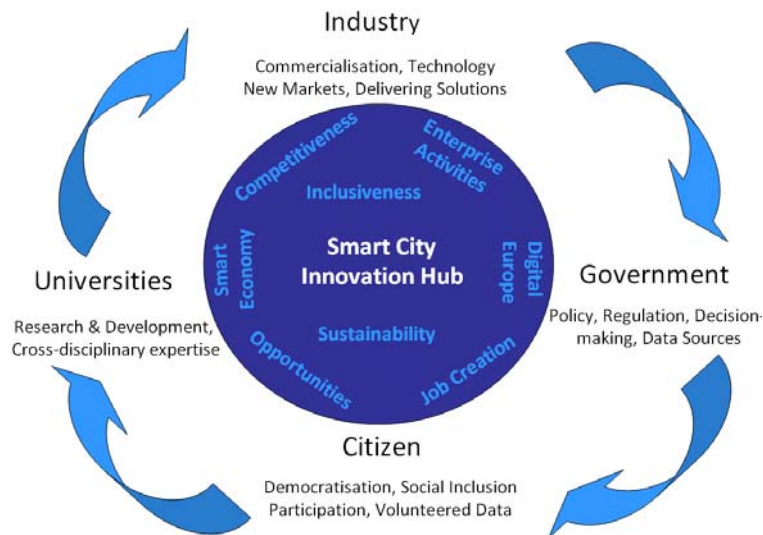
European Smart City Innovation Project (EuSCIP)

Who we are

The National University of Ireland Maynooth (NUIM) is located close to Dublin, Ireland and is internationally recognized as a leader in some key technology areas including, Digital Communication, Computer Science, Geospatial Technologies and Environmental Modeling. The recently formed Callan Institute brings together a strong cross-disciplinary team to tackle the challenges presented in the Future Internet initiative in terms of Core Architecture and Application Areas.

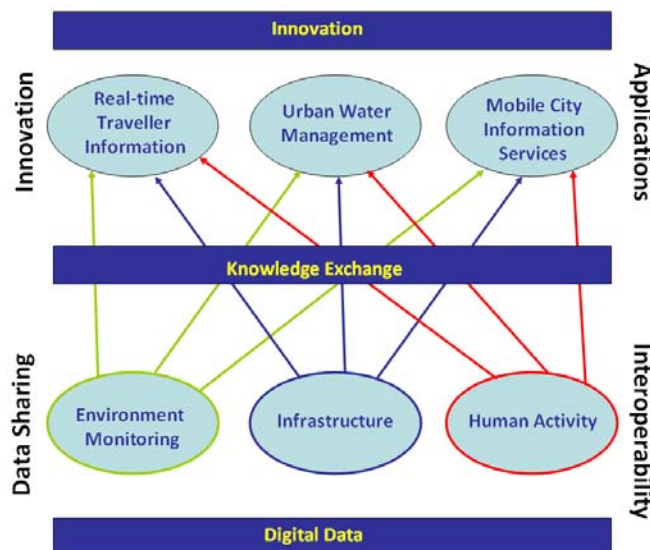
The concept

NUIM has developed the concept of a Smart City Innovation Hub based on open participation with collaboration from industry, government, academia and community groups. The central idea is based around mobilizing and combining existing digital infrastructure, data and collective knowledge found in our increasingly populated urban areas through the Future Internet (FI) initiative in order to address both present and future economic, environmental, social and political challenges facing European Cities.



How can we do this

The vision is to create a new, exciting approach to innovation within European cities based around *open data & technology access, knowledge exchange* supported by a robust *governance structure* and so, make a significant contribution to next generation digital industries in Europe. This could take the form of new sensor design, information products, business process or standards testing. Key FI technologies such as sensor networks, semantic web, data mining, cloud computing, interoperability will be developed under a unifying architecture to maximise information extraction from urban data sources and data collection systems. A knowledge exchange will be the tangible front-end to this digital Smart City infrastructure. This exchange will enable ideas & creativity to flourish and facilitate networking, problem-solving enabling entrepreneurial & commercialisation activities within an open, federated project space. A robust governance structure is required to promote the vision, direct the strategy, operate the infrastructure, resolve disputes, handle IP, data licensing, legal issues.



A simplified instance of a Smart City Innovation

Tangible outcomes will feed directly into the Europe 2020 (March 2020) initiative, emerging digital technologies, knowledge industries and contribute to a more sustainable life for all our citizens.

What next

We have already formed relationships with city, industry and academic groups and would like to expand this consortium to involve other potential partners interested in sharing and developing this vision.

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