

Ordnance Survey Seeking European Smart City Standards



Ordnance Survey (OS) is to create a smart city standards-based technologies business framework for the European Union's ESPRESSO project. ESPRESSO is being led by the Open Geospatial Consortium, and OS - working closely with key European bodies - will develop a strategic growth map for smart cities.

Supported by PricewaterhouseCoopers, OS will also conduct analysis of existing and emerging economic, financial (including crowd-funding) and procurement models. OS is aiming to gather expert information and advice from commercial organisations and public sector bodies across the globe, and so is appealing to them to input into this framework and become key influencers in determining pan global standards.

Richard Woodling, managing consultant for smart cities, said over the next decade, the way we live, work and use energy, transportation, city resources and services will change significantly thanks to a range of innovative smart city solutions. Many of these innovative solutions will be based on sophisticated information and communication technologies.

Standardisation

However, Woodling stated that technological complexity, as well as the complexity of the various sectorial services involved within a smart city, require a system approach to standardisation. Therefore they are asking smart city operators to collaborate with them to produce a harmonisation of standards for global smart cities.

Working with a range of consortia members, OS is also supporting the ESPRESSO project by performing analysis on the existing European smart city standards, and it is to provide a definition of a Conceptual Standards Interoperability Framework. This framework will be articulated along several horizontal (non-technical) dimensions including, but not limited to, sustainability, wellbeing and socioeconomic aspects.

The Conceptual Standards Interoperability Framework will seek to ensure matching market requirements, helping cities acquire a front run position in the EU smart city arena. The emphasis is on cost reduction and an open market, Woodling concluded.

ESPRESSO

ESPRESSO (systEmic Standardisation apPRoach to Empower Smart citieS and cOMmunities) is co-funded by the Horizon 2020 Framework Programme of the European Union. Further information on the programme and the consortia can be found at <http://espresso-project.eu>.