

Thinkshop*

«Urban Planning and Geography at a Human Scale»

* please don't call it workshop !!

22

January 2014

9:30 – 12:30

TRENTINOSVILUPPO
DEVELOPMENT AGENCY AND BUSINESS INCUBATOR

via F Zeni 8 – Rovereto (Italy)



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Stop for a while and **think** with us



Come and think with:

Register at: <http://gistandards.eu/registration/event/atelier/>

John Herring
ORACLE

Giuseppe Conti



Cesare Furlanello
FONDAZIONE BRUNO KESSLER

Milica Bajic-Brkovic
ISOCARP

Bart De Lathouwer
OGC
Makin location count
www.openstreetmap.org



Martin Ford

Pietro Elisei



Cameron Easton
(ex) The Scottish Government

i-locate – GA 621040



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1. Urban planning is a process for the design of the urban environment to ensure development of communities for the benefit of its inhabitants. A “Smart City” invests in **human** and **social capital** and traditional (physical) and modern information, communications technology (ICT) infrastructure to sustain **quality of life** in the urban environment. Aspects of the “Smart City” can also be seen in the technologies that support **Sensor Web Enablement** (OGC SWE), Augmented Reality (AR), Smart Grids, and the Internet of Things (IoT).

4. The ultimate realization of this vision will not be the work of any single vendor, nor will it be the outcome of a single joint project. This is obvious from the “multiplicities” in its full implementation:

- Multiple software technologies
- Multiple modes of motion
- Multiple modes of communication
- Multiple modes of location

2. All of these technologies are following much the same path. They build a logical correlation between the **physical** reality (either existing or planned) with a information infrastructure, creating multiple related **models** of reality that can be used by indirectly by applications and directly by users to discover and analyze the configuration and the functional aspects of reality.



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3. Applications can be as simple as locating points of interest and navigating the human-built urban environment and as complex as simulating the “city” as a “system of systems;” the physical **infrastructures** of power, water, traffic, communication and others.

As complex as this can become, the final purpose of this interrelated physical and informational infrastructure is to build and maintain an efficient and sustainable **inhabitant-friendly** environment in what must be essentially an artificial “built” environment.

5. This diversity of multiplicities will only be managed by a diversity of **interoperability** and connectivity, between applications, between data sources, between hardware and backend data stores.