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SENSING PLACES’ LIFE TO MAKE CITY SMARTER
Over the next 10 minutes...

- Smart city anatomy
  - Is this approach relevant? YES
  - Is this enough? NO...
- Spatial enablement is crucial for Sensing places’ life
- The Live City platform
- Conclusive remarks
To what extent smart city is a relevant approach?

- Latin “intelligentare”:
  Understand, Learn and Interact
- Sensors Network = Identify: where, when, who, what, how...
- IT Net. infrastructure = Analyse and provide senses.
- Actuator = Engagement, React - in real-time

Source: http://postscapes.com/anatomy-of-a-smart-city
Why the current deployment is weak?

Article Wired.co.uk (http://ht.ly/aNy12)

- Technologically driven and mainly reflect the most basic functionalities of the Internet of Things,
- One-size fits all, top-down strategic approach “to sustainability, citizen well-being and economic development”,
- Smartness limited to efficiency and not about flexibility and adaptability,
- Citizens not really considered except as passive sensors,
- Not really scalable (only small scale - city as a whole)
- Sense of Place not enough taken into account...
Spatial enablement is crucial...

- "Spatially enabled society is an evolving concept where location, place and any other spatial information are available to governments, citizens and businesses as a means of organizing their activities and information."

- "spatial enablement" : ability to use any geospatial information and location technology as a means to improve spatiality.

- Spatially enabled citizen - improve his spatial skills.
... for Sensing Places’ Life

Smart City infrastructure has to be based on an SDI Enabled platform for aggregating formal data sensed by device sensors and informal data sensed by citizen sensors.
The Live City platform
Conclusive remarks...

- Technologically enhanced, ICT-driven solutions that spatially enable urban population, contribute to smart operation of the cities.
- **BUT No smart city without spatially enabled citizens with sensing capabilities...**
- The Live City Platform is a work in progress...
  - Prototype under development (proof of concept),
  - Will be tested for urban crisis management issues and geodesign projects in Melbourne and Québec.
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