

The IEEE Smart Cities Initiative

There are many ways to go
and they go by many ways

Roberto Saracco

What is a Smart City?



What is a Smart City?

- ☼ The role of infrastructures
- ☼ It is much more than ICT but ... ICT is pervasive
- ☼ Open Data can be the unifying Infrastructure



<http://www.hitachi.com/products/smartcity/vision/concept/it.html>

What is a Smart City?

- ☼ There is no Smart City
- ☼ There are cities that have a plan to become smarter
- ☼ A never ending story
- ☼ It is a journey, a mindset, not an arrival point



<http://www.ili-lighthouse.nl/RoadmapEhv2030EN.html>

Smarter Cities or Smarter Citizens?

- ✿ The chicken **or** the egg?
- ✿ What is more effective?
 - Transportation
 - Energy saving
- ✿ Singapore
- ✿ Amsterdam



Smarter Cities or Smarter Citizens?

- ☼ Increase Citizen Awareness
 - talk their language
 - create culture
 - leverage on social
- ☼ Create involvement
 - make they see they can make a difference
 - citizens as information sources
- ☼ Are we getting “smarter”?



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- ✿ Advancing Technology for Humanity
 - put technology where it matters
 - technology is invisible
 - technology is a tile
- ✿ Technology keeps changing
 - got to use here and now
 - today is the day ...
 - ... but remember there will be tomorrow
- ✿ Manage transition



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- goals

- ✿ Accelerate smartification
 - ✿ Serve members
 - ✿ Serve Communities
 - ✿ Lead and Collaborate
- ITU**
- Osservatorio Tuttimedia**

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- constraints

- ✿ Limited resources
- ✿ Ensure sustainability
- ✿ Have an impact
in a short time span
- ✿ Manage diversity

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- approach

- ✿ Ensure geographical distribution
- ✿ Create and manage ripples
 - **Hubs and spokes**
- ✿ Leverage local resources
 - **Flanking**
- ✿ Invest for the future
 - **Education**

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- roadmap

- ✿ 1 Pilot city 2013 - Guadalajara
- ✿ Call for application Jan 2014
- ✿ 2 cities selected - Trento / Wuxi
- Affiliated cities
- ✿ New calls in 2015, in 2016, 2017, 2018
- ✿ 10 core cities, 2 per continent
- ✿ 500+ affiliated cities

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- Eligibility

- ✿ The city has a Smart City plan
 - it is under way
 - it has the required resources
 - it is willing to share experience
 - it is willing to adopt an Open Data Framework
- ✿ The local Chapter is willing to lead
- ✿ The local university has programs on SmCity
- ✿ There is industry support
- ✿ IEEE flanking is welcome

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- capitalization

- ✱ 40 MOOCs
- ✱ Worldwide network of experts
- ✱ IEEE Alumnai
- ✱ 5 Smart Cities conference per year
 - one in each region
 - focus and variety
- ✱ Reference library with white papers
- ✱ Attraction point for a diverse membership

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