

The Making of Smart Cities: Working Together

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Policies. Source: Gavaldà & Ribera-Fumaz (2012)











Balanced and Optimized "System of Systems"



Balanced and Optimized "System of Systems"



- Strategy and plans (continuity)
- Mechanism to use ICT strategically
- > Technology as enabler
- Layers: People/Information/City Structure
- Transversal projects (intelligent data...)
- Vertical projects (open government...)
- Collaboration (Public, Private and People...)
- > Test in Laboratory (Tech Urban Labs...)









Questions...

- Some questions:
 - Are we measuring and evaluating?
 - If yes... what are we measuring?
 - What metrics are we using?
 - Do we have a maturity model?
 - What we know about our technologies?
 - Do we have standards?
 - Are we having the highest knowledge level about the options?
 - Will we interoperate?
 - Do we have security?
 - Are we educating?
- > Some answers....





















Computer society







Some highlights...

- Technology as a tool, not as an end (defined targets)
- Standards and aligned systems' plans. Strategy, planning and evaluation. (management)
- E-Government (Open-Smart) & e-Governance
- P⁴:Public, Private & People Partnership (collaboration)
- Education (Institutions have to be educated too)
- Continuity, even if political changes (evolution)
- Citizens' & city needs: target (citizen involvement)









>IEEE is assisting in managing transition to Smart City in Key Partnership with ITU:

- Funding Municipalities' Projects
- Educating & Teaching: Technologies
- Assisting & Advising: Standards & Technologies' alignment
- Promoting P⁴ (Public, Private & People Partnership)
- Holistic Knowledge & View























- Measuring Smart Cities
- > Qualitative and quantitative approaches
- Neutrality. No seconds intentions
- Sharing criteria and results
- Partnership
- > Educating and training
- Free of cost advisory for institutions









IEEE Urbanization Challenge: Guadalajara

- Has a concrete plan and funds to become a Smart City
- Local constituency welcomes IEEE involvement
- Local authorities have interest in sharing experiences at the international level and becoming a path leader
- Local IEEE Chapter and Section has assumed local responsibility for the project
- Local university interested in working the Smart Cities space as well as some form of local industry commitment

Smart Cities

GUADALAJARA **CIUDAD CREATIVA DIGITAL CCD LOCATION:** In Guadalajara's Historic center = Around Parque Morelos It is part of a Comprehensive strategy for the revival and regeneration of the main city area CCD core area is 40 hectares+ Parque Morelos Area of direct beneficial influence is 380 hectares. • **DUIS certification** is a prerequisite for the **Digital Creative City** nture CARLO IIII Massochuse eGOV







IEEE Urbanization Challenge: Guadalajara

Workshop - Pilot event

- 29-30 October 2013; Guadalajara, Mexico
- In collaboration with Ciudad Creativa Digital (CCD), IEEE
 Guadalajara section, and the local IT industry chamber
- FDC funded
- Program content
 - 4 Panels, 8 talks, 6 whitepaper working groups
 - Topics include: physical infrastructure, information infrastructure, big data, data visualization, societal impact, cyber security, public policy....

Workshop



- Attended by 70 people from academia, industry and government
 - Participation of ITU and EIT ICT LABS
 - Agreed talks recorded and slides available on web site:
 - http://smartcitygdl-ieee.org/media.html
 - Several ideas and issues emerged through working teams
 - Creation of a White Document under progress. Expected public availability in January 2014. To be presented at the Guadalajara Municipality and State Government
- Potential to become an Open Air Live Lab









IEEE Urbanization Challenge: Guadalajara











Building Smart Sustainable Cities

If you are thinking on building a Smart Sustainable
 City

- Strategy
- Plans
- Partnership (Academia+Industry+Government+IEEE)

> IEEE Smart Cities is looking for municipalities to continue ahead. Maybe yours can be interested?

Contact us!

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Thank you

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