

Smart Energy

The new coopetition field

Smart cities: the place where it takes place



Stockholm
Tuesday November 13th
SESSION 9

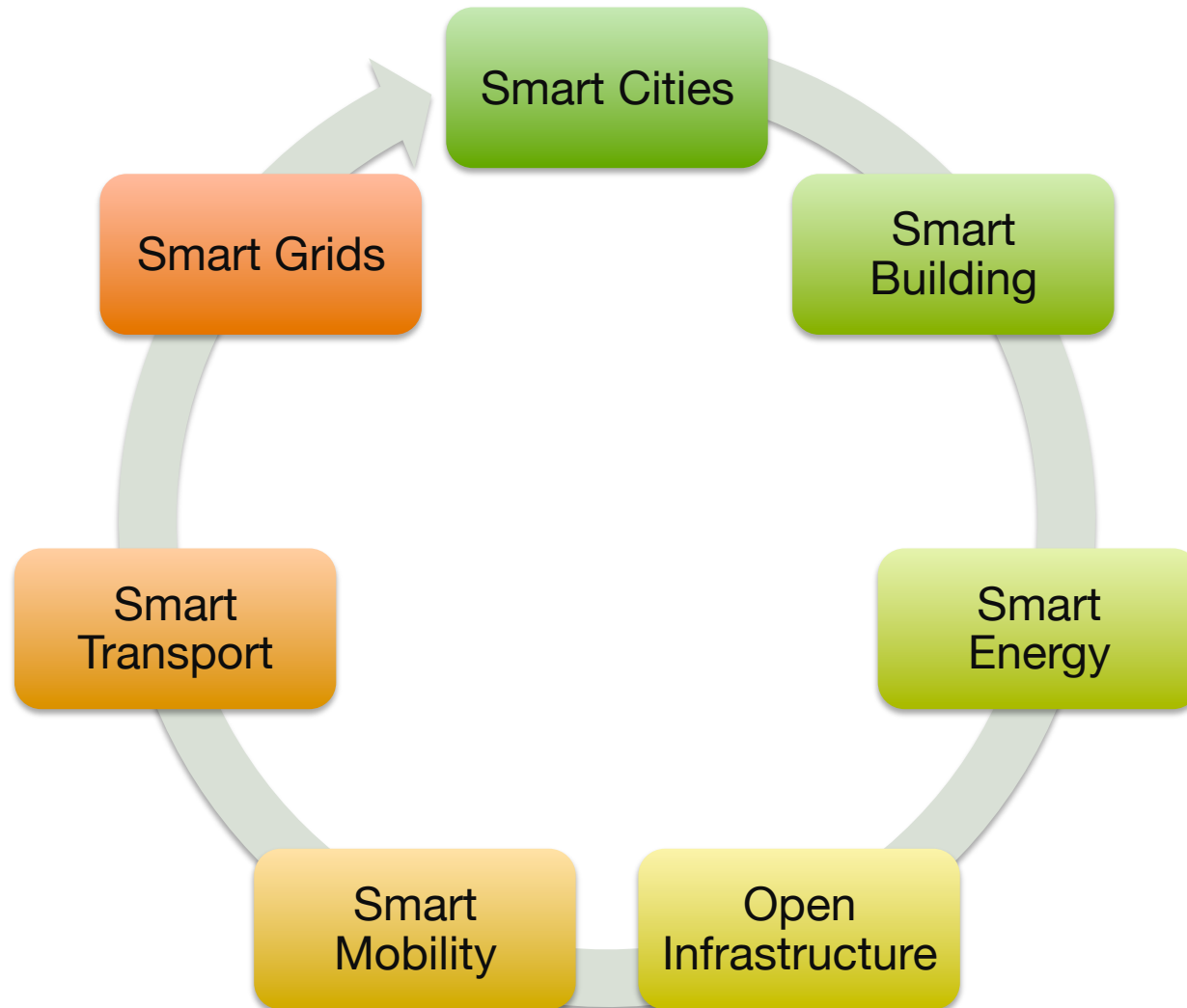
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ITEMS INTERNATIONAL
Strategic Consulting In a Digital World

Smart City

Sevendimensions of 'smartness' in ITEMS vision



Smart Cities: The global picture that gathers energy, transport, mobility, digital issues

Smart Home



Smart Buildings



Public Buildings efficiency



Smart Transports



Energy Operation Center



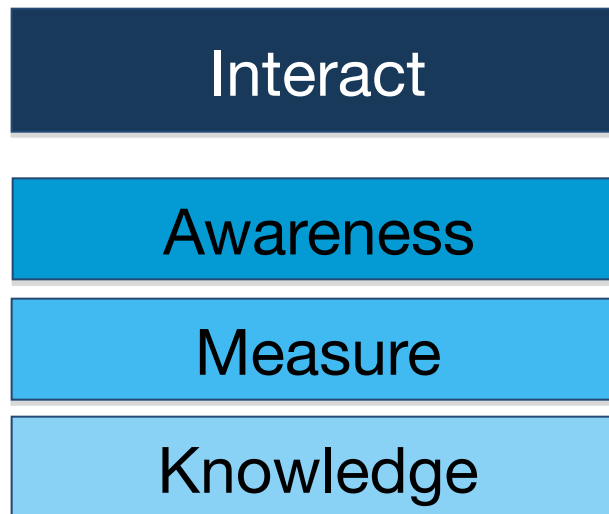
Smart User Apps



Green Data Center

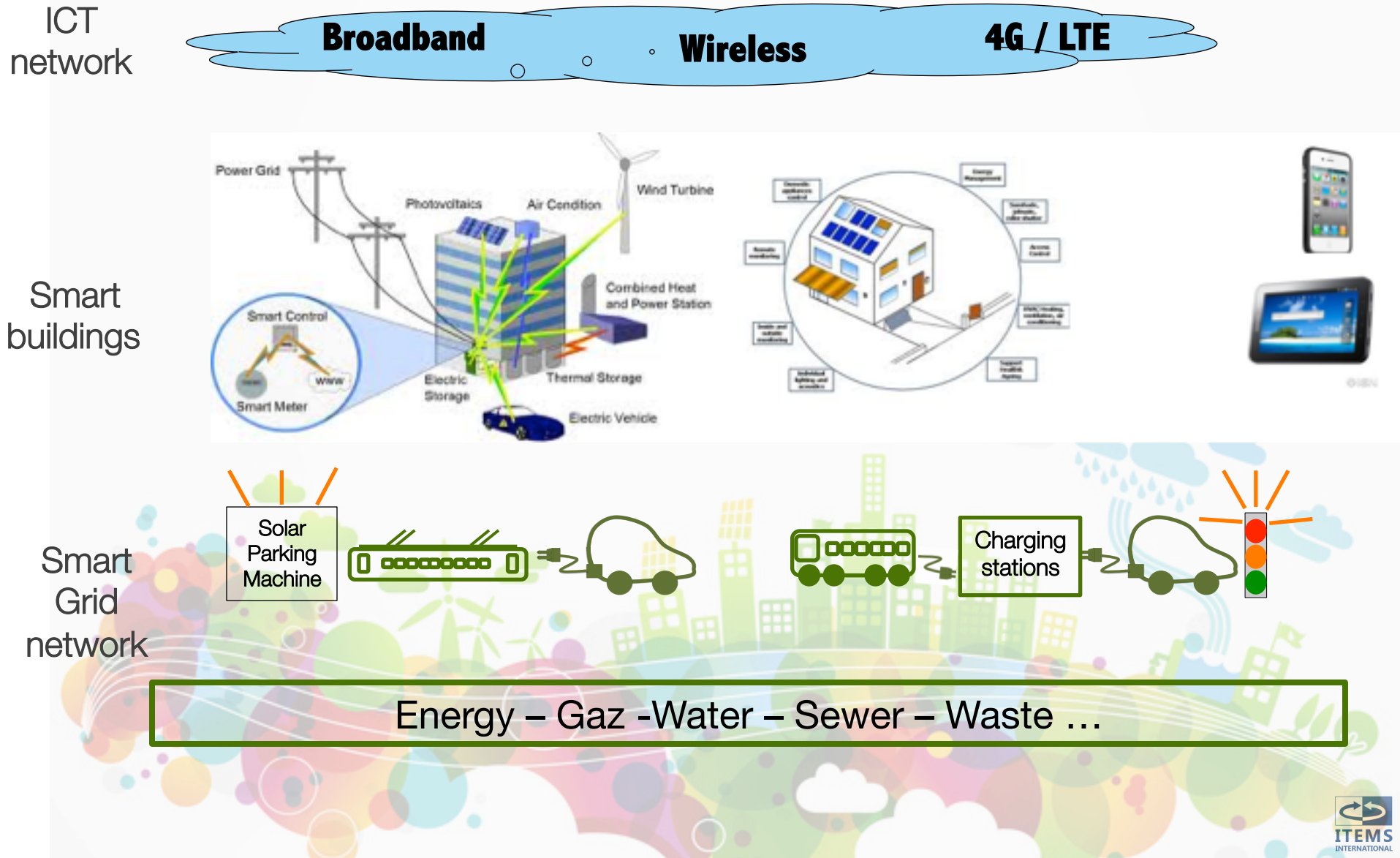
Urban platform: a tool to give the power to control what happens and where the city goes on

- The city wants today :
 - **TO KNOW** the existing infrastructures in their city: water, telecom, transport, energy...
 - **TO MEASURE** disposer the trafics and its evolution, the quality of services ...
 - **TO BE INFORMED** de of what happens (not to be informed by the press tday after that the water have been cut, or that a bus line was stopped ...)
- At the end, the city wants to **INTERACT** with third parties operators
- The urban platform is the strategic tool to make this possible



From Smart Buildings to Smart Cities through Smart Neighborhood

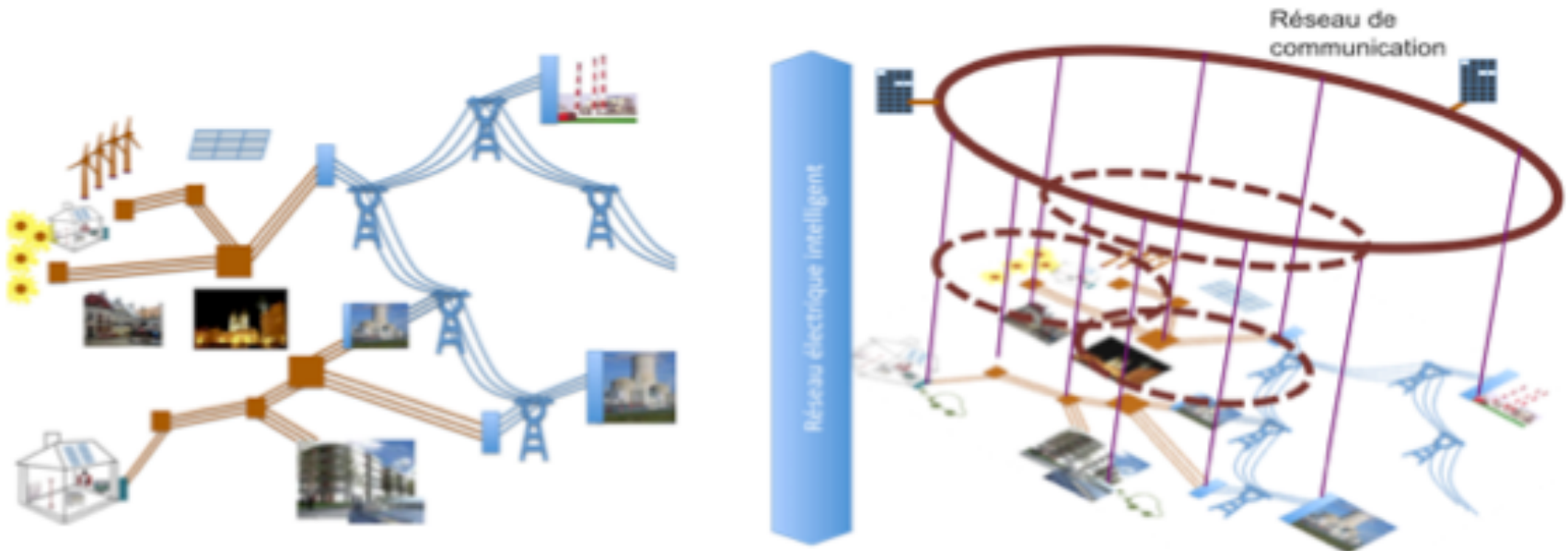
The global multi-grid management perspective



Renewable energies are going to move grids to decentralized & two-ways design

More than 50% of energy should come from decentralized sources of production. Grids which are designed for distribution have to evolve to support gathering of energy.

Smart grids have to include virtual energy networks, energy rooming ...

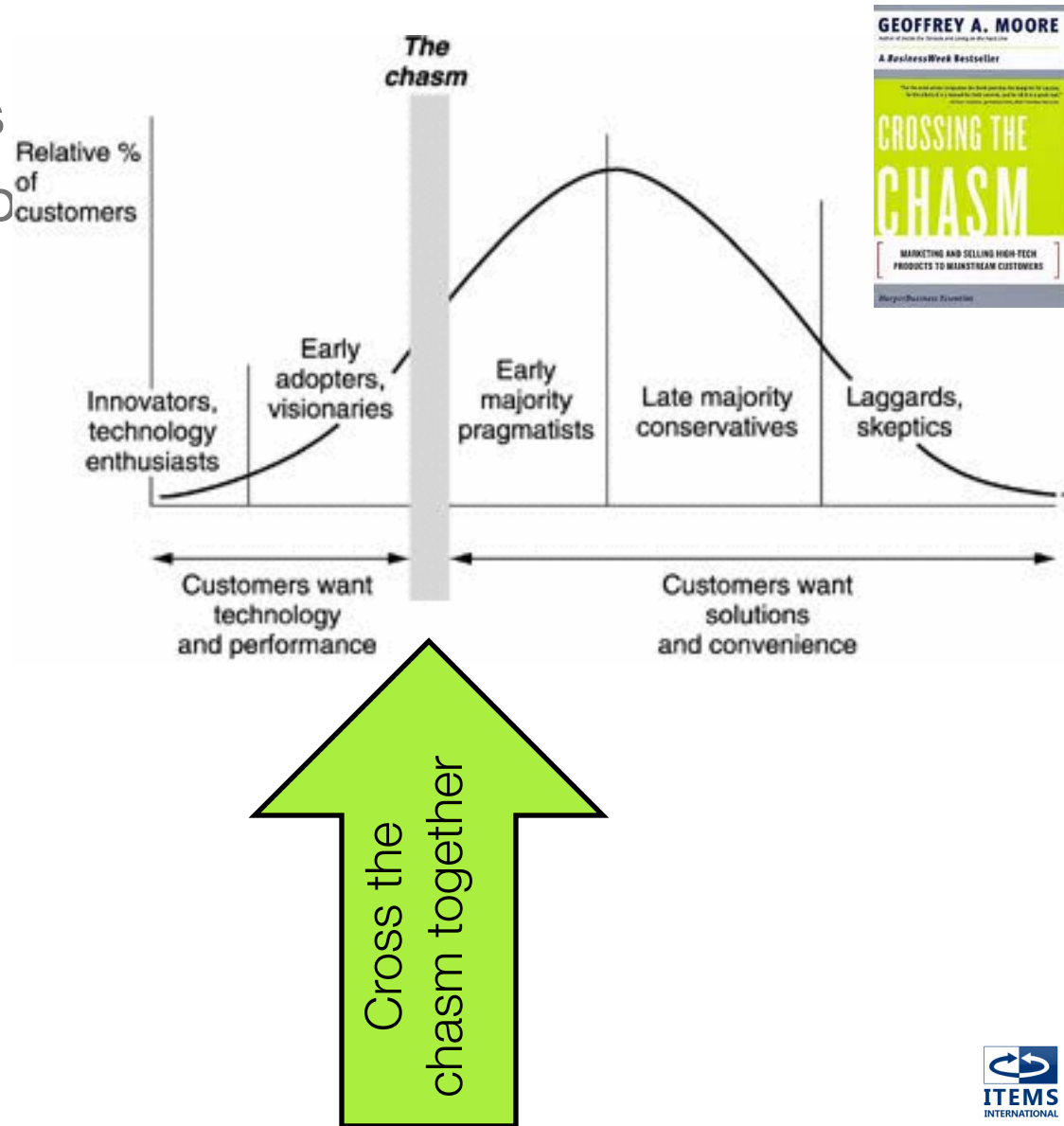


Hierarchical Grid

Smart Grid

Smart Cities: « Crossing the chasm »

- The market is in cities
- Our future in innovation is there
- Many R&D has to be done
- The tools for collaboration exist
- Golf countries have specific advantages



The session

Hannes Carl Borg	Acting State Secretary, Ministry of Enterprise, Energy and Communications, Sweden
Gilles Berhault	Institut Mines Telecom and President Comité 21, First French multactor network for Sustainability, France
Beatrice Covassi	Digital Agenda & ICT Counselor, EU Delegation to the US, USA
Kamel Esseghairi	Secretary Treasury Arab Platform RE/EE ; President Tunisian Alliance For Renewable Energies, Tunisia
Marie-Francoise Guyonaud	Director Fondaterra, Foundation Européenne pour des Territoires Durables, France
Jerry Hultin	President Polytechnic Institute of New York University, USA
Eric Legale	Managing Director - Issy Media, France
Daniel Rudmark	Viktoria Institute, Researcher Sustainable Transports
Gunnar Söderholm	Director Environment and Health, City of Stockholm, Sweden