



Many views: institutional in Europe

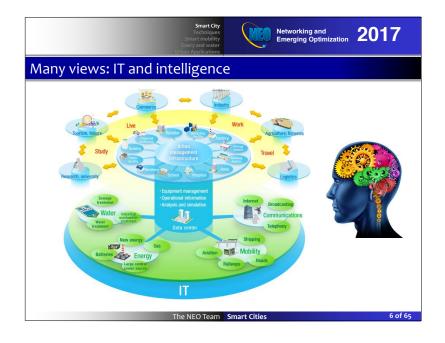
- Eleven priority areas defined in the Strategic Implementation Plan of the European Innovation Partnership on Smart Cities and Communities:
- Sustainable Urban Mobility
- Sustainable Districts and Built Environment
- Integrated Infrastructures and processes across Energy, ICT and Transport
- Citizen focus
- Policy and Regulation
- Integrated Planning & management
- Knowledge Sharing
- Baselines, Performance Indicators & Metrics
- Open data governance
- Standards
- Business Models, Procurement and Funding
- o For the time being, 8 of the 11 priority areas are covered by the Action Clusters

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Networking and Emerging Optimizati 2017

Bioinspired techniques and more

- Research in biologically inspired techniques applied to complex problems
- Focus on any technique helping to get efficient and accurate results
- Even advanced methods cannot deal with complex instances of real problems: high dimension, constrains, epistasis, uncertain data, real time, ...
- Traditional methods put so many constrains and simplifications to the problem (in order to solve it) that the found solution is no longer valid

METAHEURISTIC

- Heuristic: information or procedure used to guide the search of algorithms
- Meta: high level structure containing operators later tailored to problems
- Many scientific fields involved: computer science, and also mathematics, operations research, industrial engineering, physics, ...

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