UNIVERSITÉ DE TECHNOLOGIE COMPIÈGNE

COSTECH

Connaissance, organisation et systèmes techniques

Ascending Innovation for inhabitants and cities :
some concepts and projects

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Introduction & Table of Content

- **Ascending innovations :**

  - Social serious game approach
  - Participative decision making process
  - Contributive

- **Economics models for ascending innovations**

  - Principles
  - Cases and projects

Jollivet, *Ascending Innovation for Complex Cities*, UTC, 2013

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Ascending innovation ?

- The "visible hand" of planification
  - The "invisible hand" of market
  - The network cooperative form of organization and production of wealth : reticular cooperative work (toward ascending innovation)

- Project "management" ("animation") : not Top down, not bottom up, reticular "bazaar" dynamics…

- How to enable/enpower inhabitants/citizens for ascending innovation in territories/cities ?

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Jollivet, *Ascending Innovation for Complex Citie*s, UTC, 2013

Economics of living lab for ascending innovation

- Ascending innovation for the city : a living lab

  - a living lab …
  - in the cyberspace …
  - including read data …
  - of elements of the present and <u>future</u> of the urban eco-system
  - For the crowd to <u>invent</u>
    - the social (and urban) dynamics
    - of the future city (playground for citizen creativity and well being development)
  - For analyst to collect "living" data
  - For better design of the complex city and
    - … better design of … economic/financial models

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Jollivet, *Ascending Innovation for Complex Citie*s, UTC, 2013

Economics of living lab for ascending innovation

- Designing economic models of ascending innovation in the complex city

  - Principle :
    - valuing positive externalities of behaviors of inhabitants
    - And decreasing the negative externalities
    - Endogenizing these externalities the urban "global" level
    - With "outcomes" rather then "outputs" (service economics)
    - With public goods AND private goods.
    - Requiring "hybrid" economic models

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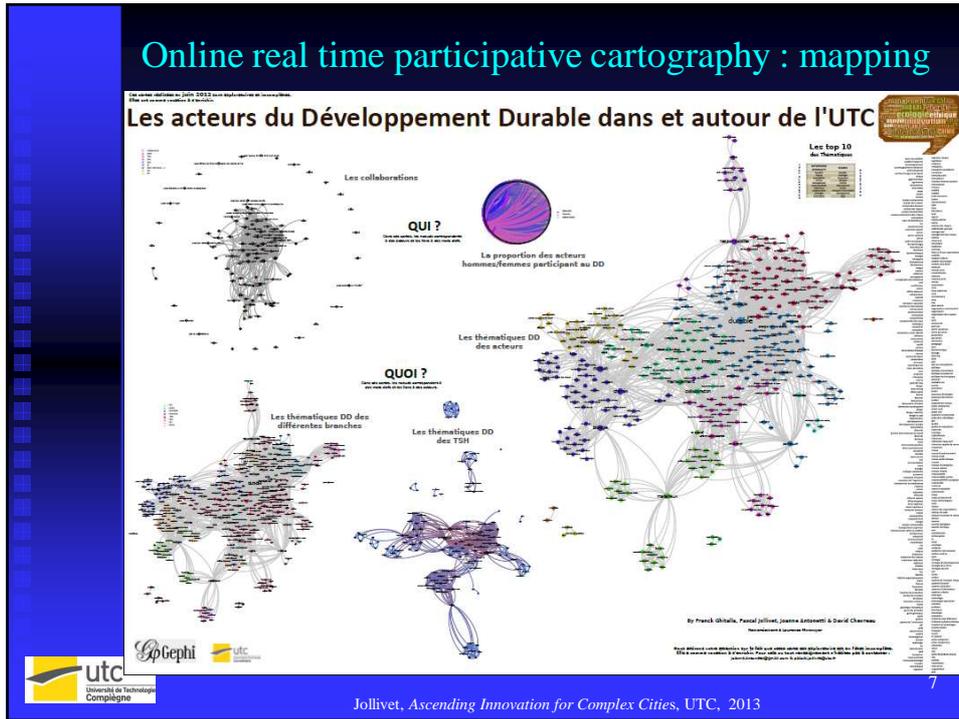Jollivet, *Ascending Innovation for Complex Citie*s, UTC, 2013

Projects of ascending innovations for cities : participation, contribution …

a. Participative process for ongoing urban projects :
  a. The small "Smart Hospitals" *ongoing* project (Noyon/Compiègne)
  b. & the "eco-quartier" participative projects (PAT methodology)

b. The Shanghai Real Estate *emerging* project :
  a. Fuzzy Modeling of real estate prices with …
  b. … Crowdsourcing socio-technical data in the Web ("classified" adds …), advanced indicators.

c. The online real time cartography of networks contributive project
  a. enabling crowdsourcing contributive network representation of territories

d. Others :
  a. The HangChiao multimodal & International Business Development Park
  b. The "Alsace Global" *actual* Project

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Online real time participative cartography : mapping

Les acteurs du Développement Durable dans et autour de l'UTC

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Online real time participative cartography : "where am I ?" - Self mapping

Jollivet, *Ascending Innovation for Complex Cities*, UTC, 2013

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Conclusion/operture

- From *enabling* …
  - ◆ … inhabitants in their capacity to contribute to their evolving city/territory …

- .. To *empowering* ?

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