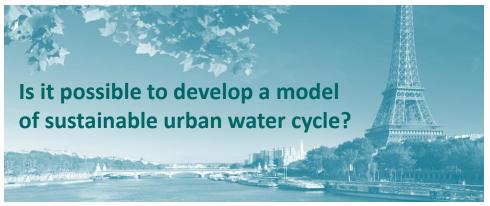
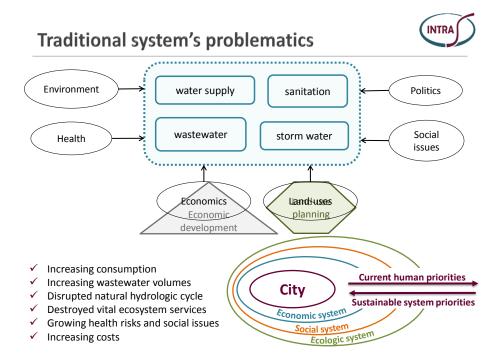
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26 Sept. 2014



INTR/

INTRA

Challenges towards change

Why most eco-city projects fail?

- ✓ Knowledge & management
 - Understanding & managing complex systems is very difficult because of their non-linear, often unpredictable dynamics

✓ Politics & policy

- Public agendas are defined by changing / conflicting priorities
- · Long-term planning is harder and harder / more and more uncertainties

✓ Economics

- Incentives are difficult to identify and align
- Business models are hard to define
- Investments are improbable under uncertainty

The hope & challenge resides in:

- a. Managing the process of long-term experimentation in innovation platforms
- b. Development of new knowledge & management tools
- c. Institutional learning

Eco-city: experimenting pathways in Versailles

Main lessons: How to organize knowledge integration & interaction



The transition: conceptual frames



Holistic parameters for cities

Metabolism

Footprint

Evolution

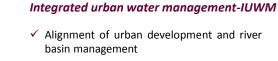
Potential

Resilience

Livability

Connectedness

Shape



Current ideas for the future:

- ✓ Achieving sustainable economic, social and environmental goals
- ✓ Avoidance of infrastructure being overwhelmed by fast growth of urban population and effects of climate change
- ✓ Planning for water sector integrated with other urban sectors: land-use, housing, energy and transport
- ✓ Cross-sectoral relations fortify via: a common working culture; articulation of collective goals; negotiation; all population included

Eco-cities & water: A holistic tool



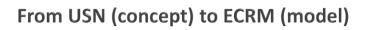
We propose that it is possible to develop a sustainable urban water cycle. <u>*Condition:*</u> to regard water just as a component of a true holistic urban concept.

We use the concept of Urban Sustainability Nexus (USN):

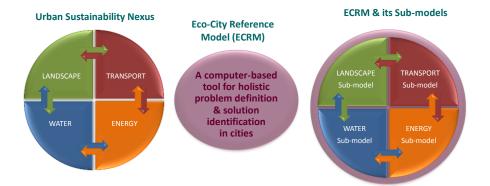
all city sustainability issues are driven by the synergy & inter-dependency between four key factors:

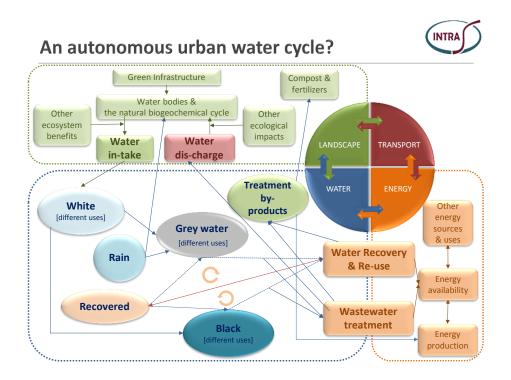
energy, water, landscape & transport.

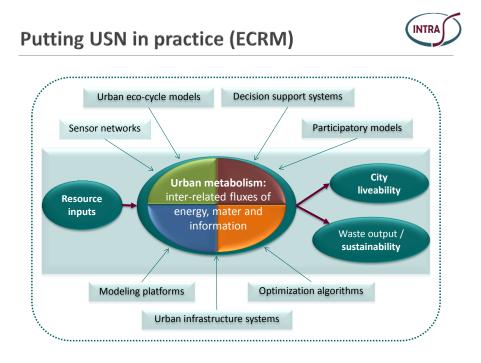


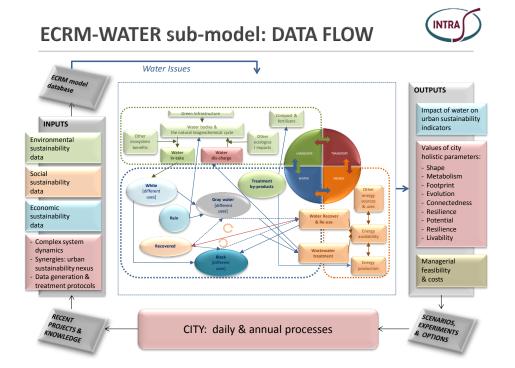








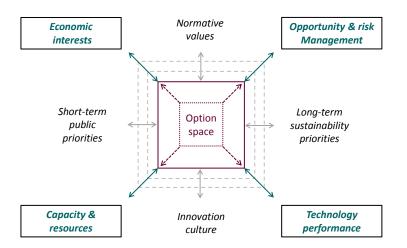




Added value of our approach



Eco-city failures begin with insufficient integration, thence a limited option space. Successful integrative thinking increases the option space for policy and business. It requires balancing opposite priorities and values, and coordinating key factors.



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Thank you & we are looking forward to collaborating with you



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