



Reflections with PEER on successes and challenges

Anne Tremier

French National Research Institute of Science and Technology
for Environment and Agriculture IRSTEA

on

Environmental Technologies

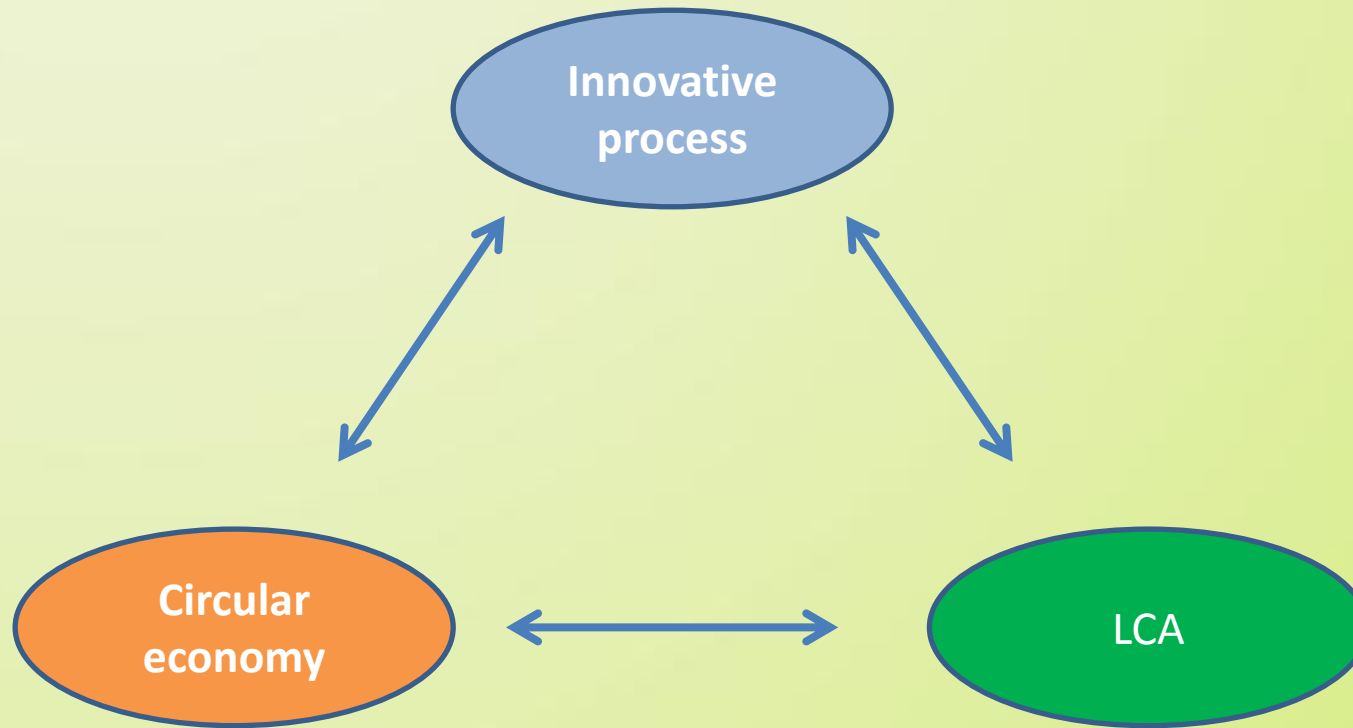


Brussels, 23 January 2018

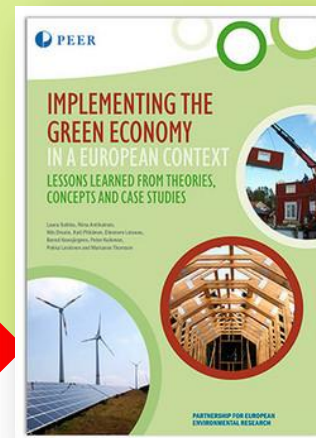
Environmental Technologies



What have we achieved as PEER?



Working towards a green economy



Environmental Technologies

DECISIVE: H2020 – n°689229

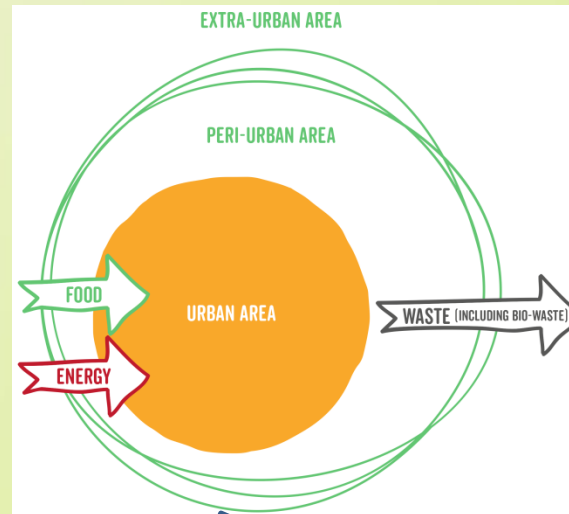
A new **paradigm** of management / recycling of urban organic waste by promoting the establishment of decentralized treatment points networks favoring short circuits and circular economy in the urban space



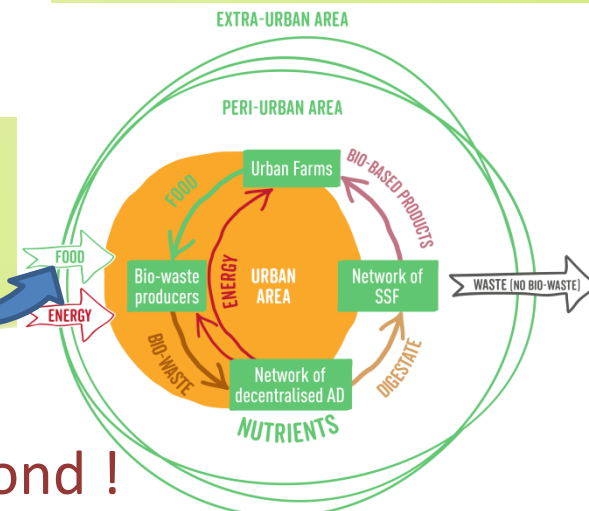
Concept of a **resilient city** using organic waste to develop urban farming and circular economy

Local sustainable energy supply
Waste biotreatment
New business opportunities

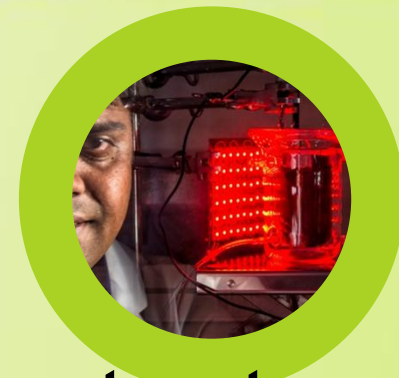
Spatial planning
Sustainable design



DECISIVE: change of urban metabolism



Environmental Technologies



What are the future challenges?

- **Innovative technologies based on waste / wastewater / residues recycling**

- Going beyond the energy production or organic matter recycling
- Nutrients recovery: new fertilizers
- Value molecules/enzymes

High TRL
Acceptability
Safety and sanitary issues

- **Social challenges**

- New organization models to manage waste, residues and wastewater
- Circular economy

Assessment methods

- **Link between innovative technologies and societal challenges**

- Optimization of value chains

Multi-criteria analysis
Planning issues