



A Vision for Circular Economy in Cities

Vienna, 28 October 2019

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www.alchemia-nova.net

Cities as circular economy hotspots



Cities are centres of human & economic activity

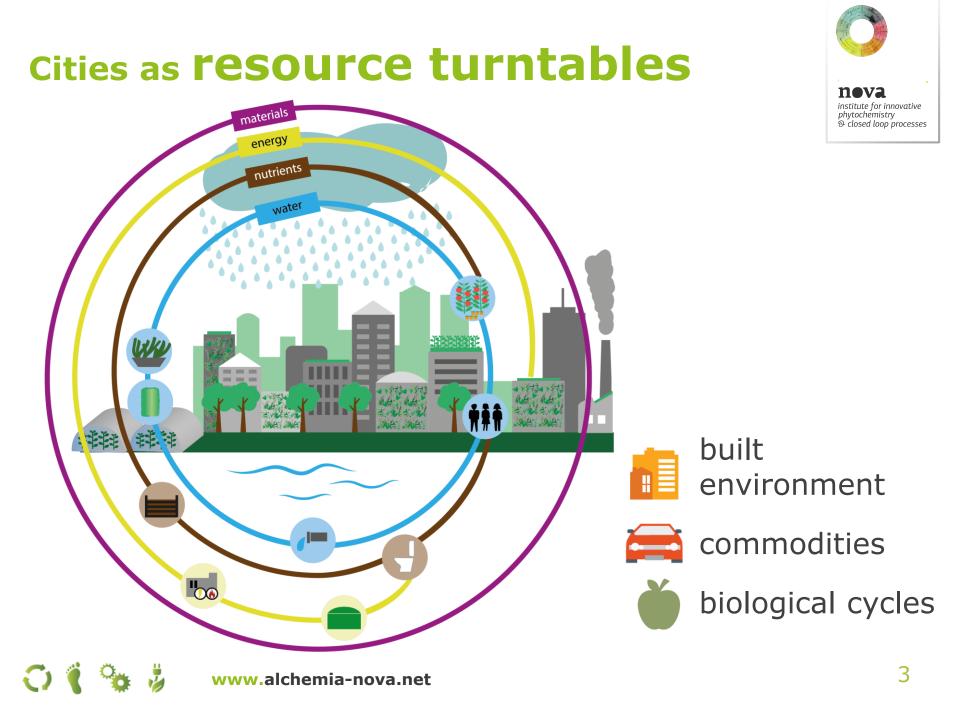




MAKE











Built environment



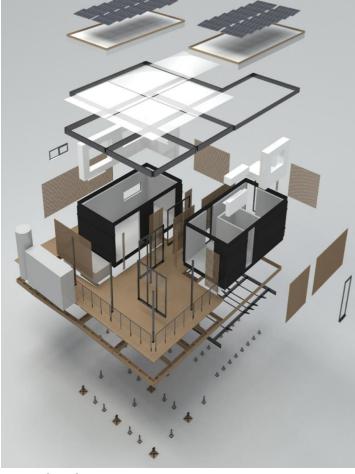
Rethinking construction

- Modular construction
- Deconstructability
- Standardisation
- Pre-fabrication





Cellophane House™, Kieran Timberlake, NY



www.bamb2020.eu



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Commodities





Selling light, not light bulbs

Product as a service

Incentive for product life extension



Sharing economy



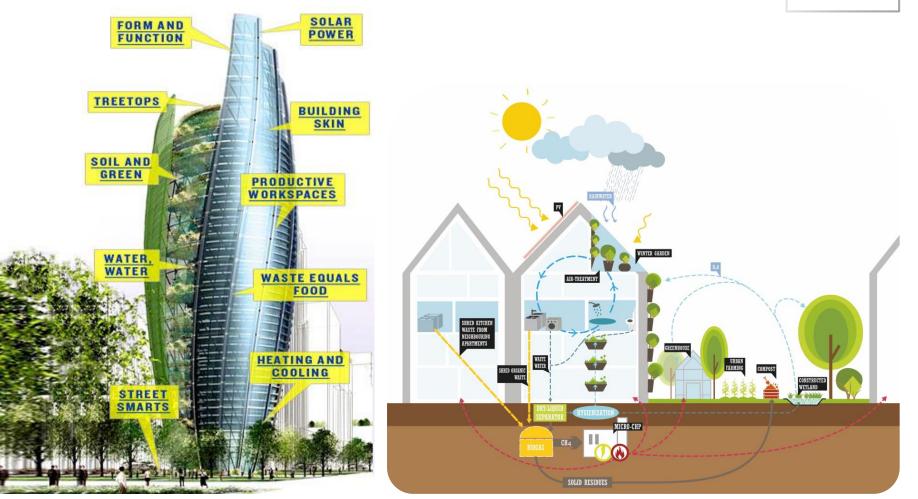




Biological cycles

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A building like a tree



William McDonough's Treescraper Tower of Tomorrow

alchemia-nova HOUSEFUL

neva

institute for innovative phytochemistry ⊕ closed loop processes

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Using the power of nature-based solutions





















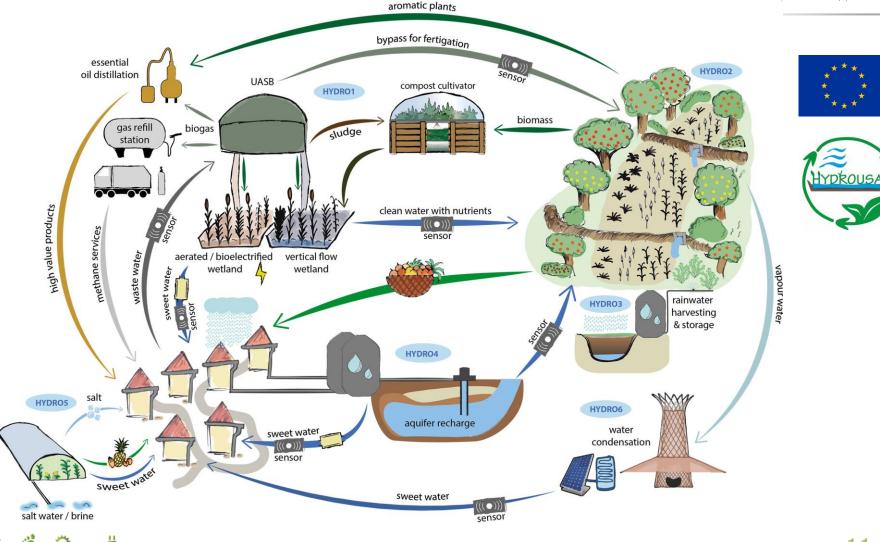








HYDROUSA: demonstrating closed loops on Greek islands



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neva institute for innovative phytochemistry \mathfrak{O} closed loop processes

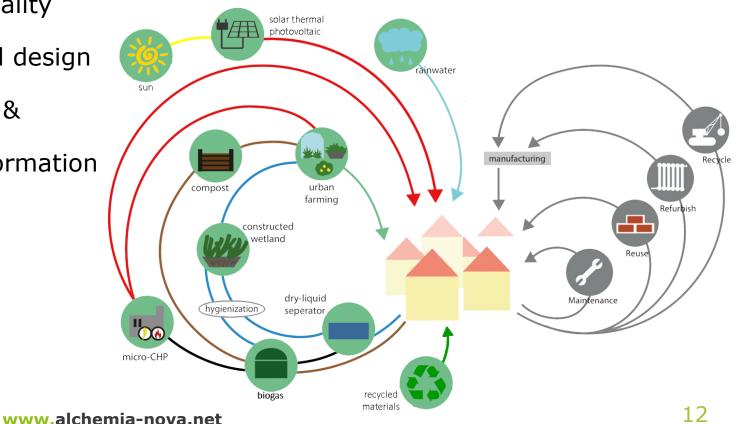
Towards complete circularity



take – make – regenerate

- Multifunctionality
- Life-centered design
- Participation &

social transformation





source: Agricultura Urbana