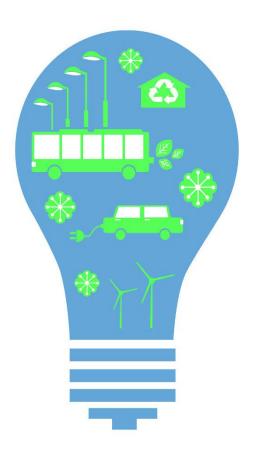
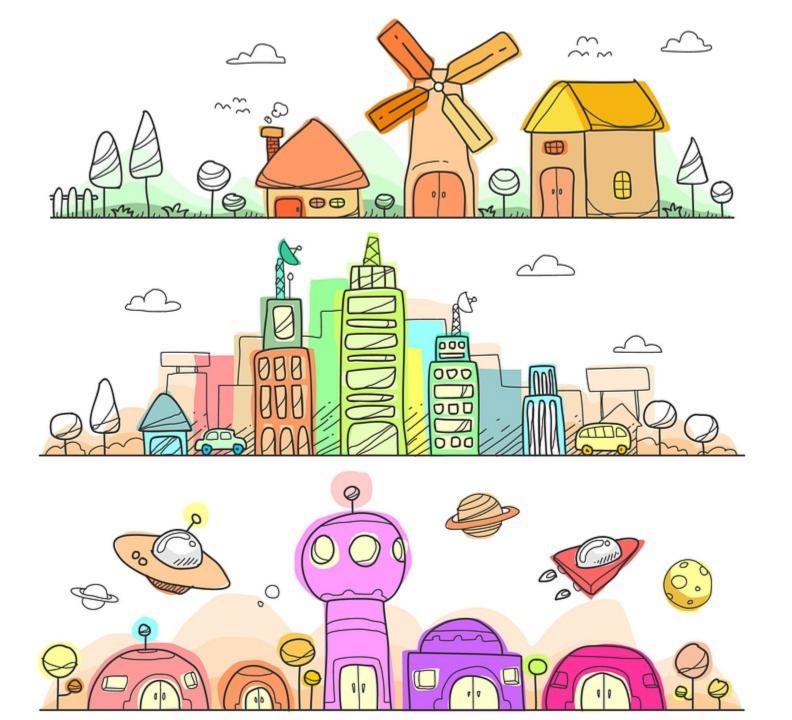
What is 'smart,' What is 'circular'?



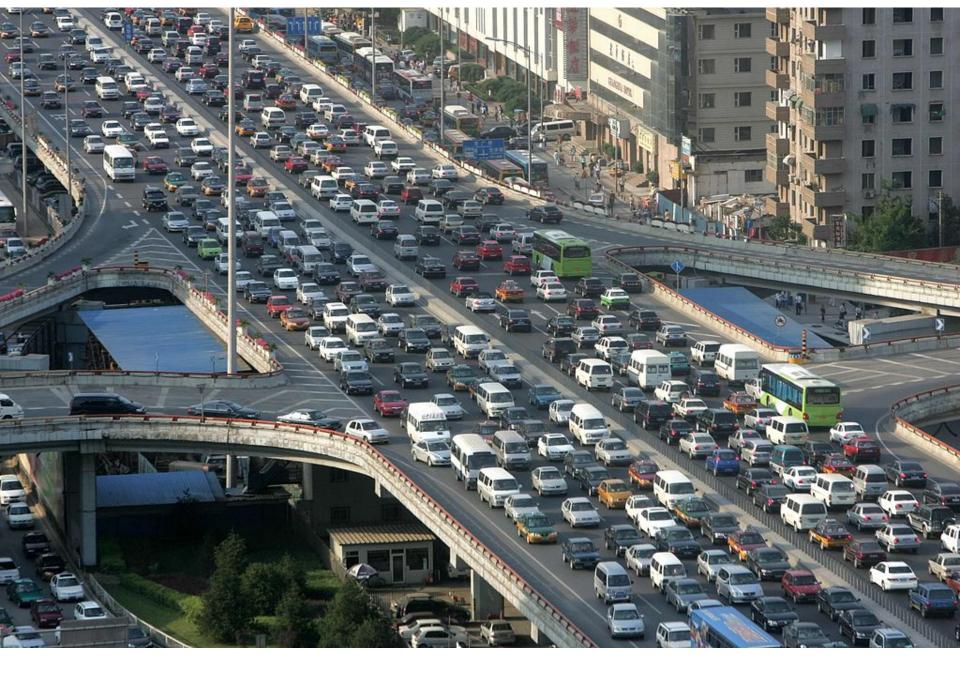
Jessica Yom, Associate Editor, Policy & Society

PECC Seminar | Taipei | 28-29 March 2018











First 'smart nation' in the world...



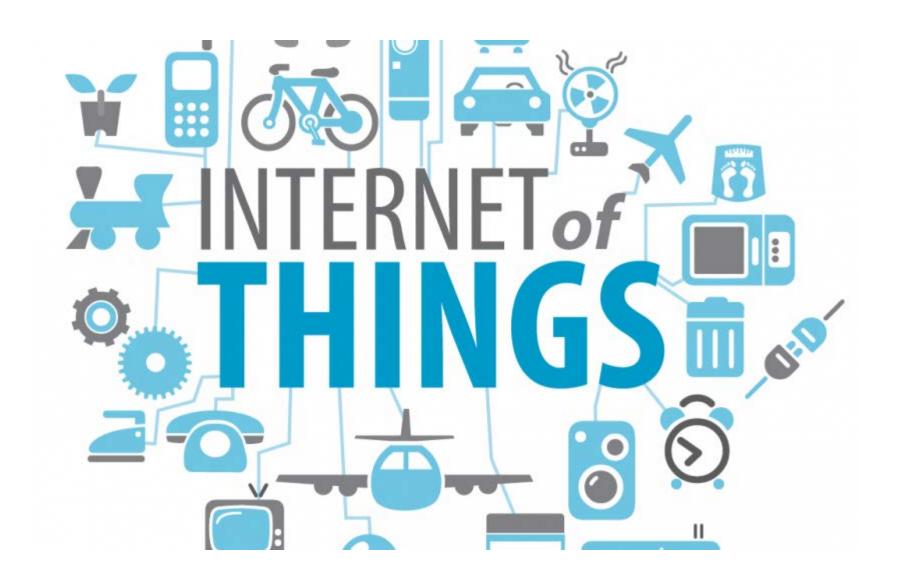


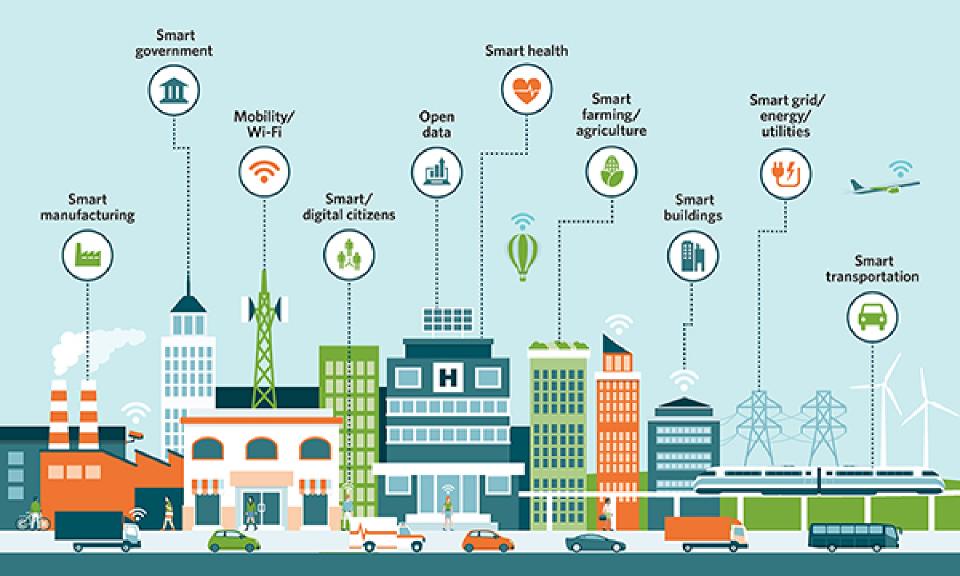










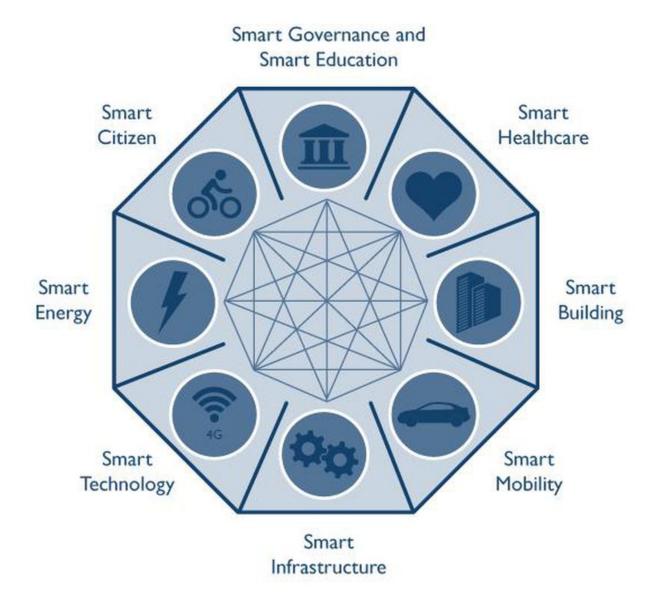


SMART CITY COMPONENTS

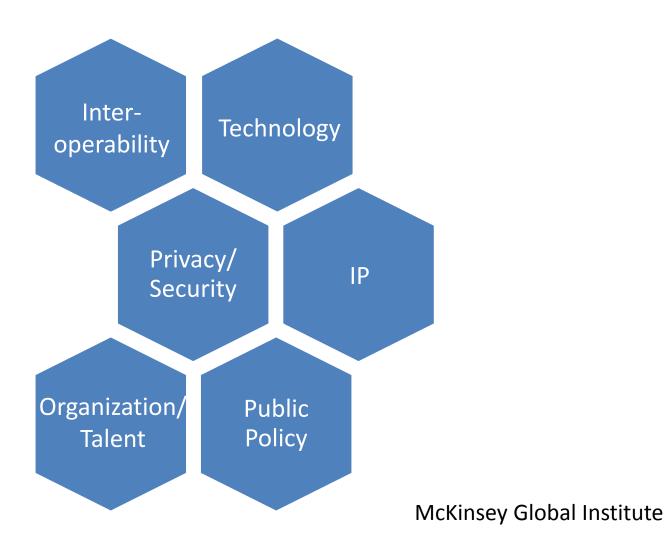
What does your smart city look like?



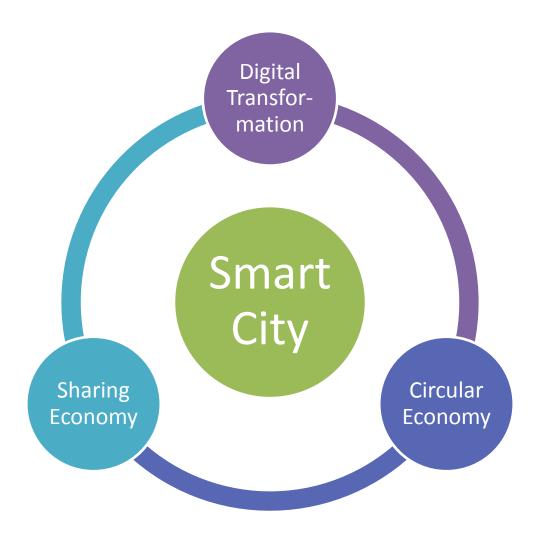
SMART CITY CONCEPTS

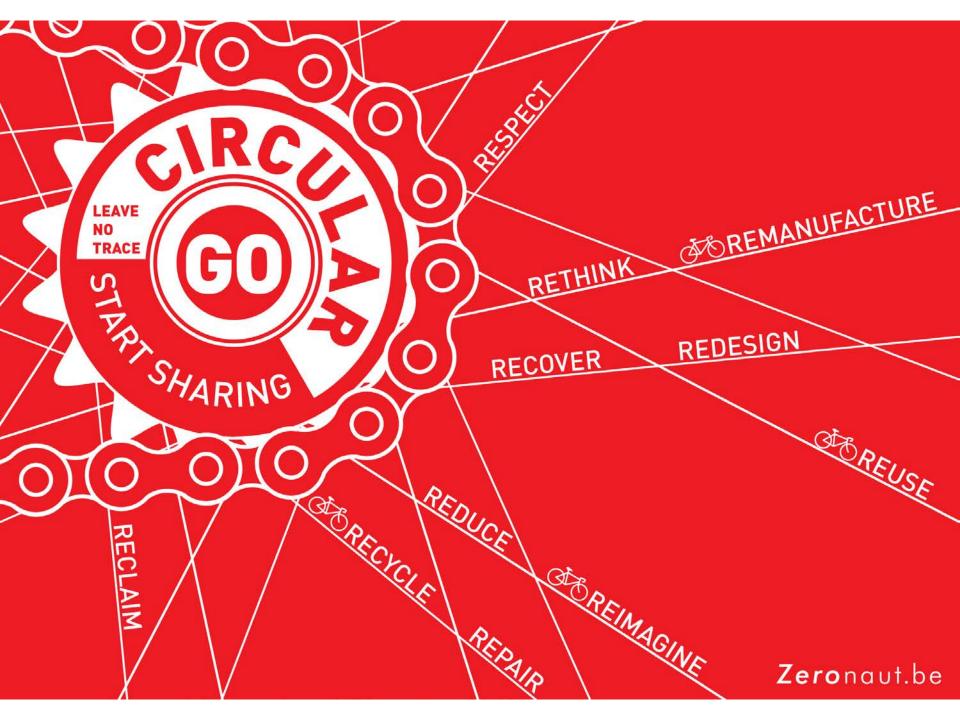


IoT: Enablers and Barriers



Mutually reinforcing





Circular Economy + Sharing Economy





www.ellenmacarthurfoundation.org

OUTLINE OF A CIRCULAR ECONOMY

PRINCIPLE

Preserve and enhance natural capital by controlling finite stocks and balancing renewable resource flows ReSOLVE levers: regenerate, virtualise, exchange



Regenerate

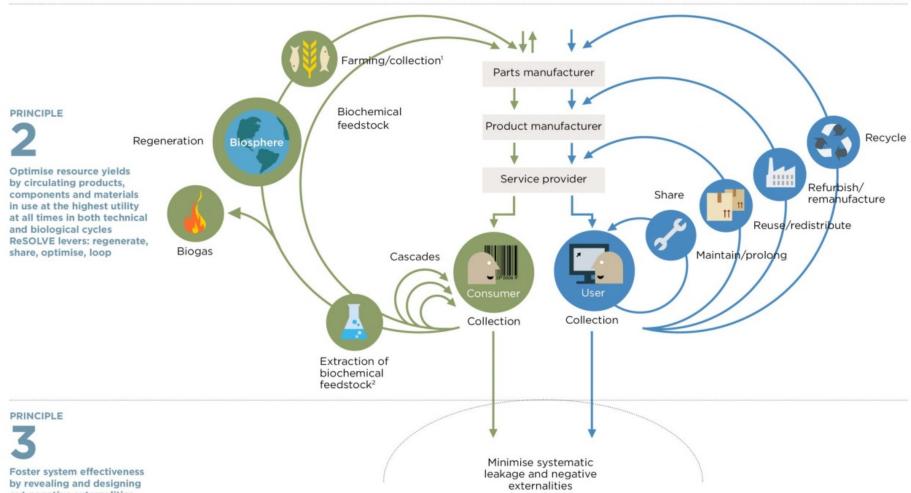
Substitute materials

Virtualise

Restore

Renewables flow management

Stock management



out negative externalities All ReSOLVE levers

1. Hunting and fishing

2. Can take both post-harvest and post-consumer waste as an input Source: Ellen MacArthur Foundation, SUN, and McKinsey Center for

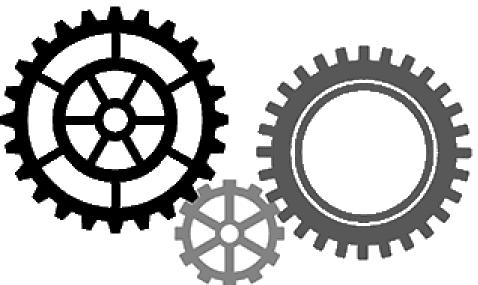
Business and Environment; Drawing from Braungart & McDonough, Cradle to Cradle (C2C).

Rolls-Royce: Revert





How do we go from our own circular economies to building the BIG circular economy?



Are we on track? Policy implications

- Put people at the heart of policies
- Co-creation: citizen engagement, millennials
- Potential emergence or worsening of socioeconomic gaps: Urban-rural divide; digital divide; knowledge/ education divide
- Cyber security
- Digital identity
- Cross-border, borderless

Enablers of a Smart City

Digital Economy/ Sustainable Economy **Smart City** Circular Economy Sharing Economy

+ Creativity