



Sustainable Infrastructure for Inclusive Green Growth

Session 3

The Real World: Opportunities and Constraints for Sustainable Infrastructure

Session Chair

Gyewoon Choi, Incheon National University



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WATER FOR THE CITY



Greening grey infrastructure and engaging stakeholders





We can couple technical applications with targeted activities for decision \diamond makers & the civil society to increase benefits



World Water Week 2018

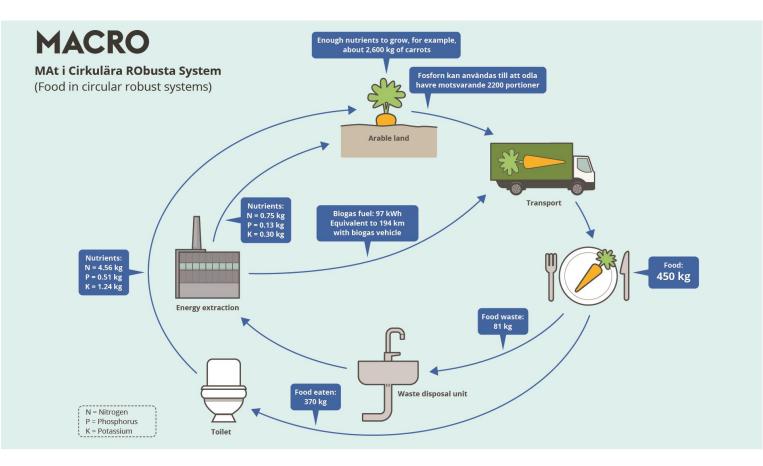
Sustainable infrastructure for inclusive green growth - Nassia Kassela, GWP-Med

Stockholm, August 29th





What drives technology change?

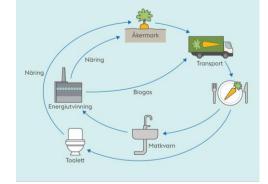




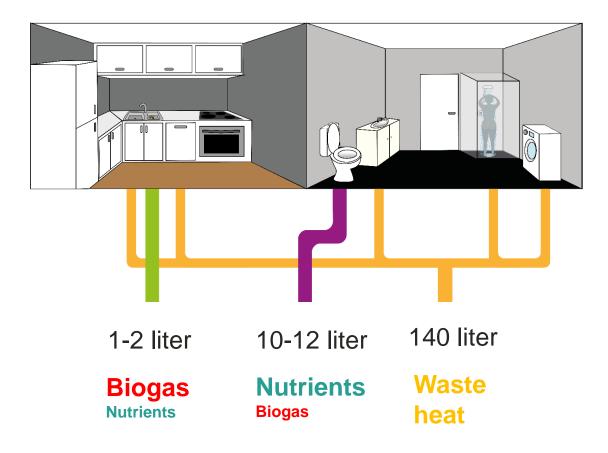
MAt i Cirkulära RObusta system www.macrosystem.se







Going from linear to circular



Potentials:

- + 50-60% biogas
- + Clean nutrients for recyling
- + 50-70% heat recovery



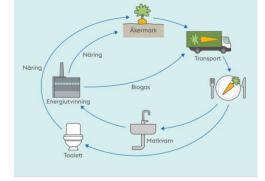




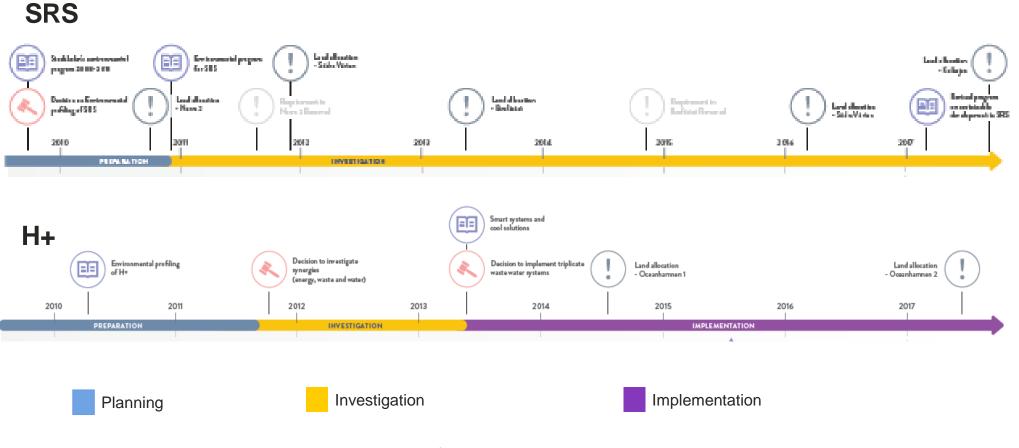








The case of Stockholm (SRS) vs Helsingborg (H+)



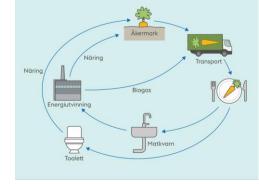


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The case of Stockholm (SRS) vs Helsingborg (H+)

	SRS	H+
Enabling Environment		
Common Vision		
Clear roles & responsibilities		
Openness to Experimentation		
Resource Avaliability		
Communication		
Conflict Management		
Leadership		



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NEW SOLUTION OUT OF THE BOX

Social & Business Impact (Resilience & Robustness)

INFRASTRUCTURE BOND (Debt)

RESILIENCE BOND (Impact Insurance)

REACTIVE

INSURANCE PREMIUM

CATastrophic **BOND** (Insurance linked securities)

Willingness

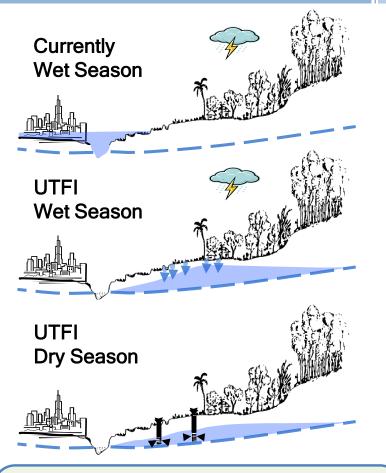
BUSINESS AS USUAL

DISRUPTIVE & COMPETITIVE

to Pay

Underground Taming of Floods for Irrigation (UTFI):

Revitalizing Village Infrastructure to Co-Manage Floods & Droughts in the Ganges Basin



BENEFITS:

- Reduce impacts of climate variability
- Enhance groundwater storage
- Stabilize or enhance livelihoods

GOALS:

- Develop a strong proof of concept for UTFI: technical, economic & institutional
- 2. Facilitate opportunities for scaling up in the most prospective regions



Research

Ecosystems

CGIAR

Program on

Water, Land and

http:http://utfi.iwmi.org/

RESEARCH PROGRAM ON

Climate Change

Agriculture and

Food Security

CCAFS

CGIAR

Low-density development 2016



Infill development (Business-as-usual) 2031

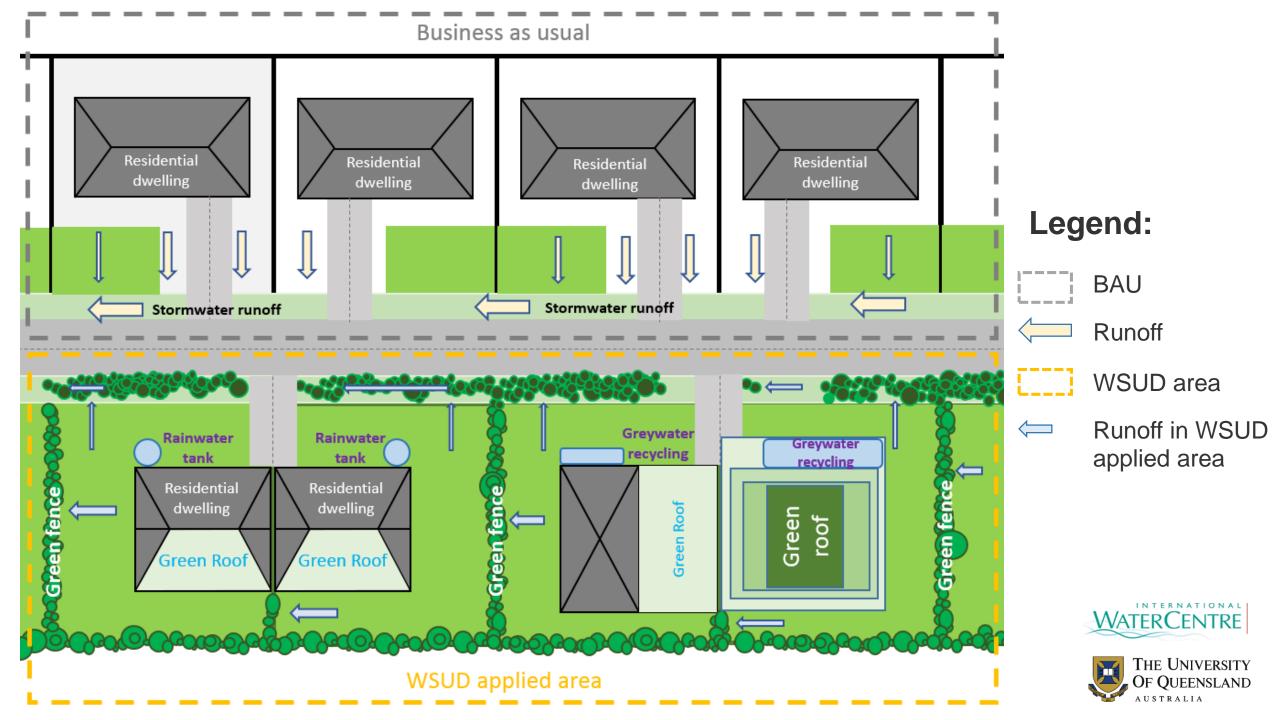


Water-sensitive infill development 2031



AUSTRALIA

(CRC WSC, 2017)







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Seminar Conclusions Maimuna Nalubega, AfDB