Water sensitive city regions
- a nature-based approach to urbanisation in Ethiopia and Tanzania

Dr Ole Fryd
Lecturer in Urban and Environmental Planning

全球城市区规划研究六校第
The First Symposium by Six Universities on Planning Global City-Regions
Tsinghua University, 19 December 2015
FOOD WASTE

WATER

ENERGY

SES
SOCIAL-ECOLOGICAL SYSTEM

FOOD

WASTE

!!

!

?
Water Resilient Green Cities in Africa

September 2013 – August 2017

www.watergreenafrica.dk
Population growth

Water deficit

Source: Early estimate based on various sources.
Flooding & erosion

Source: Early estimate based on various sources.
Option 1: Do nothing
Option 2: Local coping strategies
Option 3: Grey infrastructure
Option 4: Green infrastructure
Option 4: Green infrastructure

1. Reuse & retention
2. Infiltration
3. Evapotranspiration
Ideas and plans for how to increase urban water resilience

WP 1
Green infrastructure

WP 2
Water management

WP 3
Urban planning
Jemo & Lt Akaki River, Addis Ababa

Mbezi River, Dar es Salaam
Multi-level, cross-sectoral, transdisciplinary
Solutions-oriented action research

Addis Ababa
Dar es Salaam
謝謝

Thank you!

ole.fryd@unimelb.edu.au