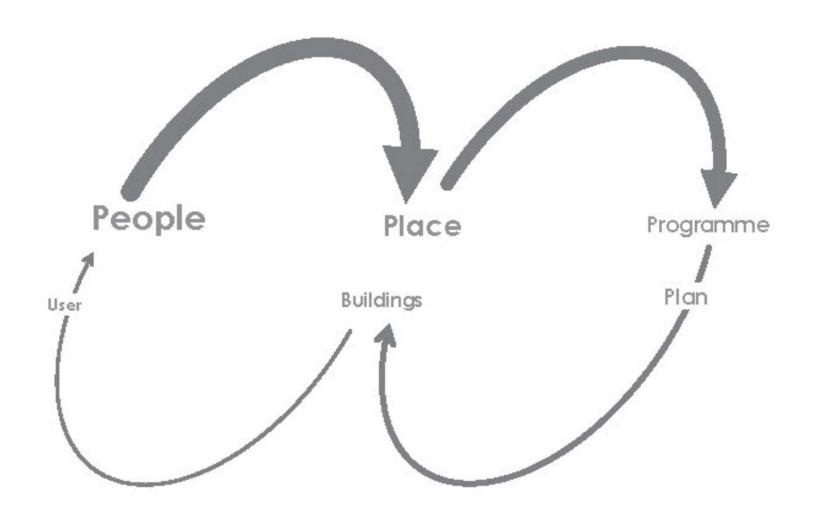
#### Remco Rolvink

**Urban Planner / Landscape Architect** 

DASUDA / VE-R / World Bank

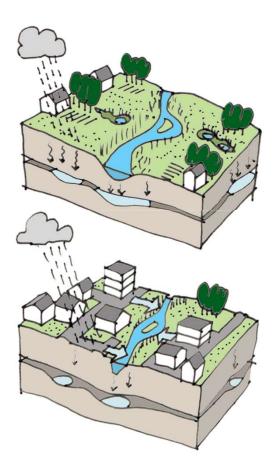
## URBAN INTERVENTIONS START WITH PEOPLE



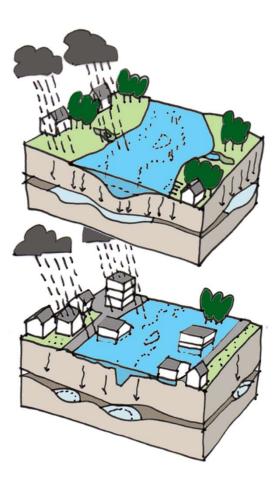
...not the other way around

## THREATS AND RISKS IN DENSE URBAN AREAS

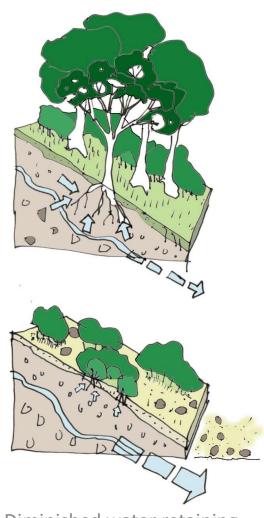
#### **RAPID URBANISATION EFFECTS**



Urbanisation = less green = less infiltration of rain water



Urbanisation = less distance to the river of vulnerable functions



Diminished water retaining vegetation in upstream area



### RAPID URBANIZED AREAS WITHOUT PLANNED MEASURES ARE MORE VULNERABLE



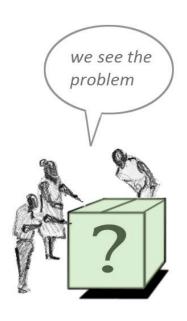


# PARTICIPATORY DESIGN IS ESSENTIAL FOR LASTING SOLUTIONS

- Engaged people cooperate and have ownership
- Local people have local knowledge which is an essential base for planning
- Communication between people with various viewpoints is enriching

# HOW TO ORGANIZE PARTICIPATION: A SET OF PRINCIPLES

#### **TAKE IT IN STEPS**



Awareness



Comprehension



Commitment



Action

#### LISTEN, WATCH, LEARN AND GET INVOLVED



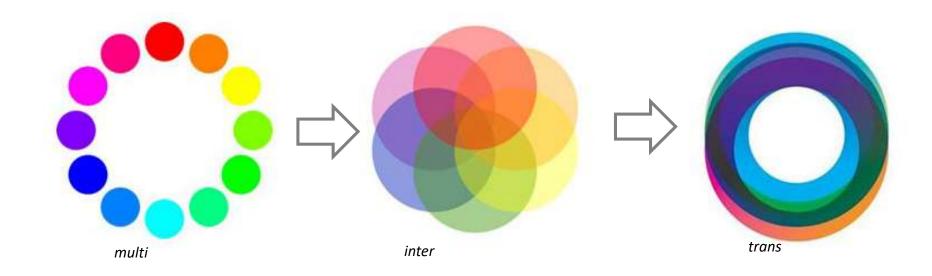




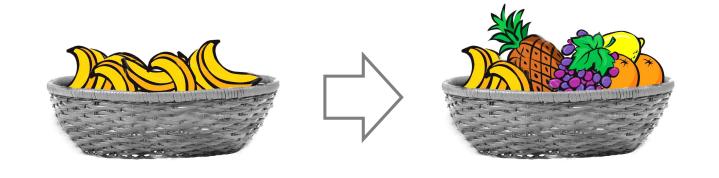


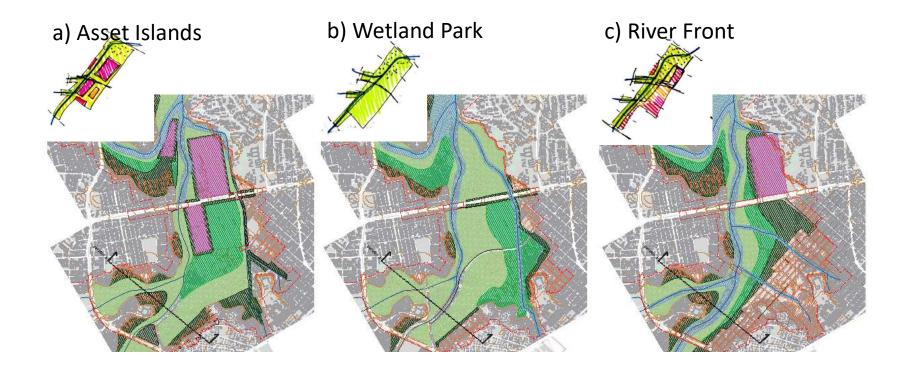
(clockwise from top left) Working on site in Kisumu, Thika, Cape Town and Nairobi

#### **WORK TRANSDISCIPLINARY**



#### **DISCOVER WITH OPTIONS: THE 'WHAT IF' APPROACH**





#### **WORKING IN GROUPS**



Carrousel sessions: examples in Kisumu, Narobi and Cape Town

#### **INDIVIDUAL OPINION; RANKING AND SHARING**

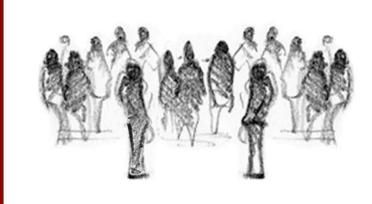


Individual ranking: 'Where do you put your money?' examples of Kisumu, Cape Town and Dar es Salaam

#### GIVE ATTENTION TO THE ARGUMENTS OF THE MINORITY

engage with minority viewpoint





come to



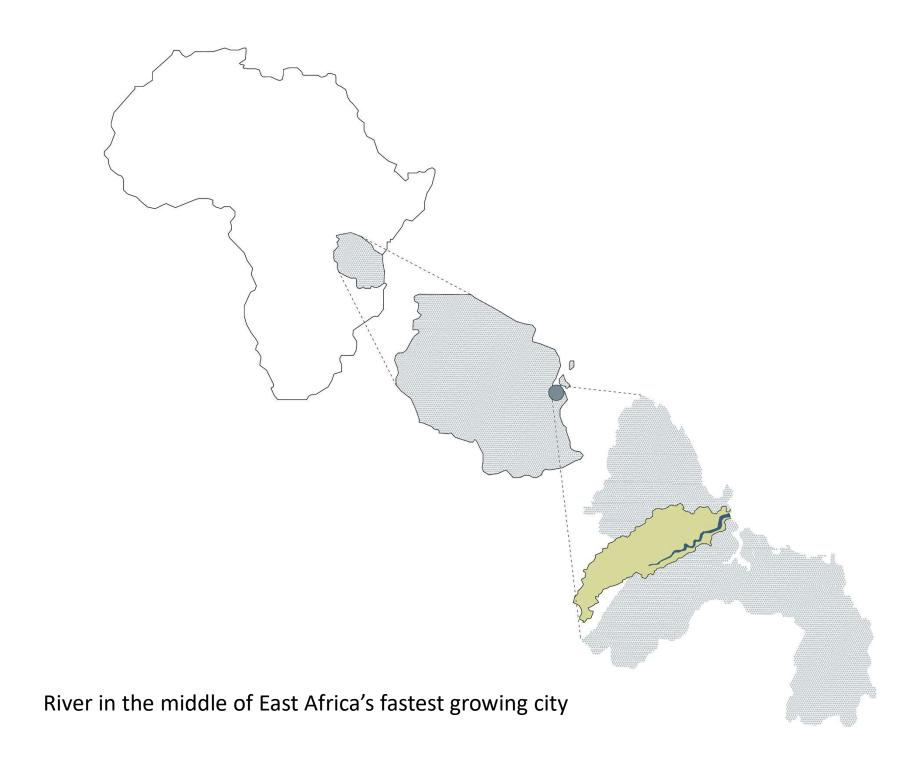
# IT MIGHT TAKE LONGER, BUT IT WILL GET THE PROCESS FURTHER

"If you want to go fast go alone.

If you want to go far travel together. "

African Proverb





























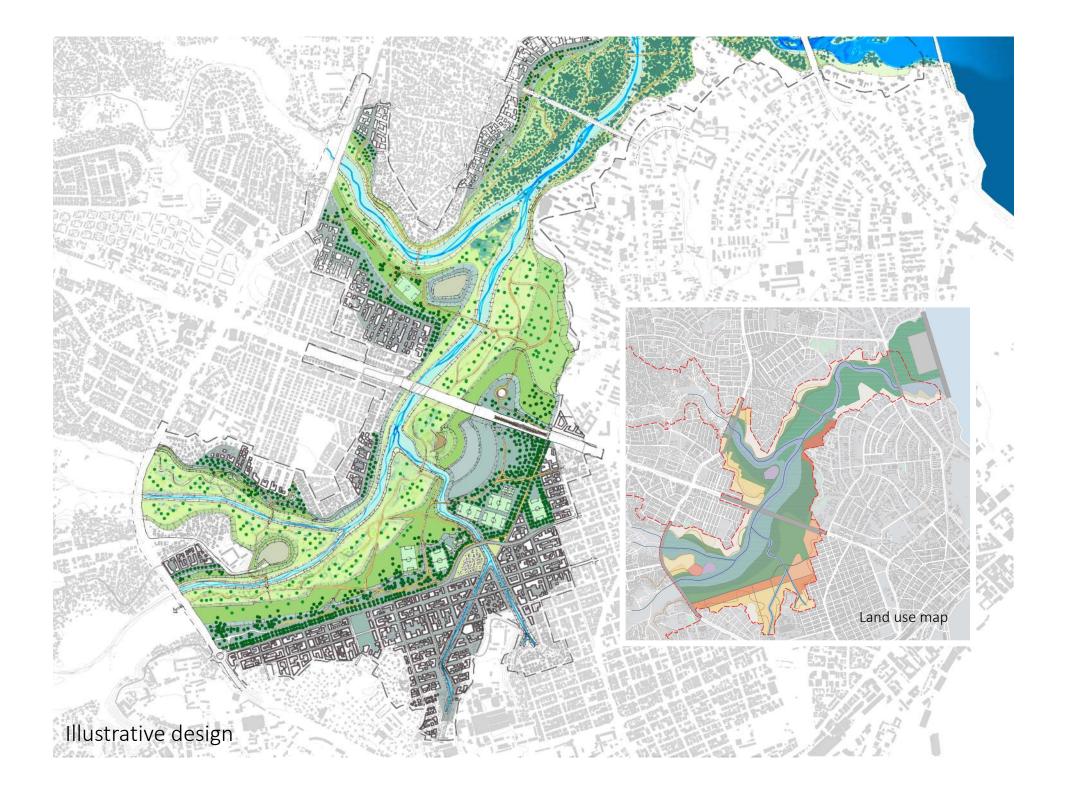


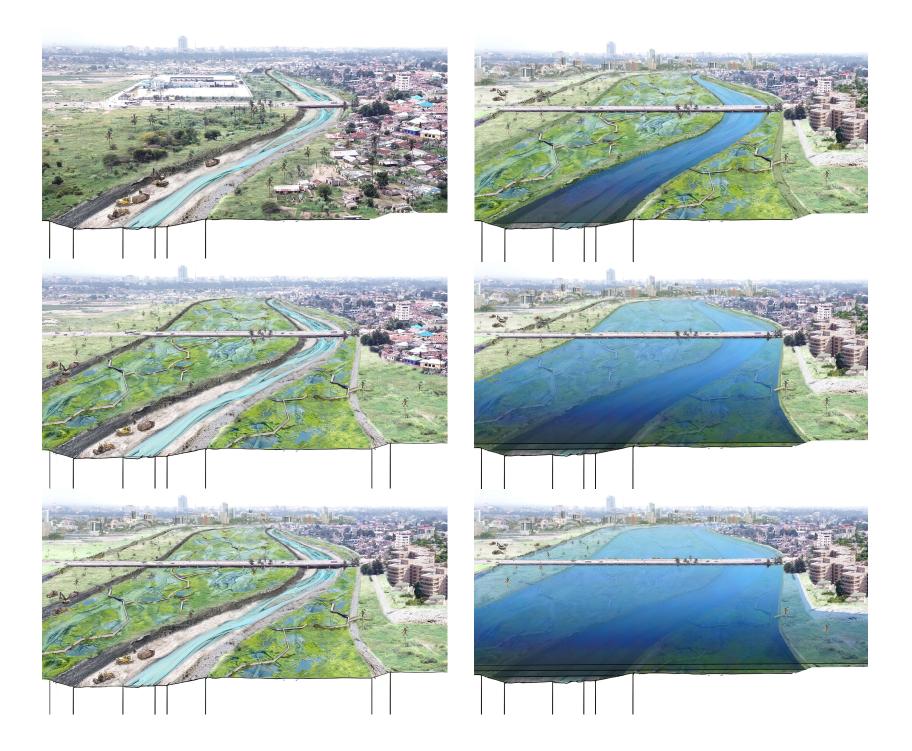


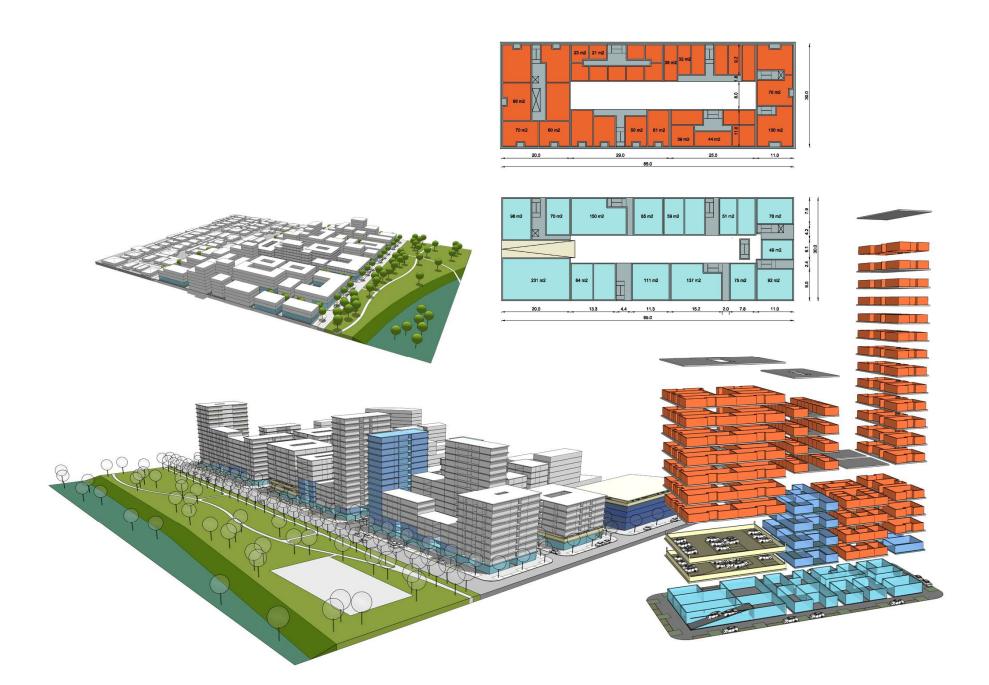




Msimbazi Opportunity Plan





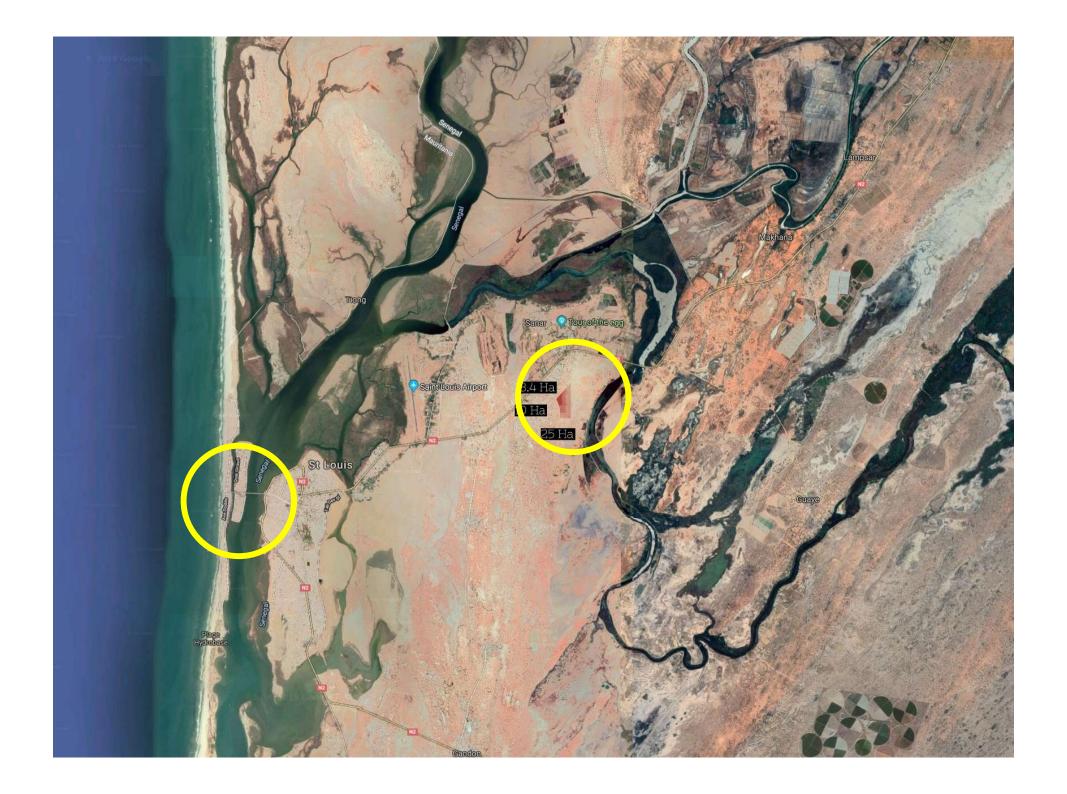


#### RESETTLEMENT OF INHABITANTS AT RISK AT LANGUE DE BARBARIE, SAINT-LOUIS, SENEGAL



Photo: Peter Yeung











#### **INITIAL LAYOUT OF TEMPORARY SETTLEMENT**



#### **LAYOUT AFTER PARTICIPATION**

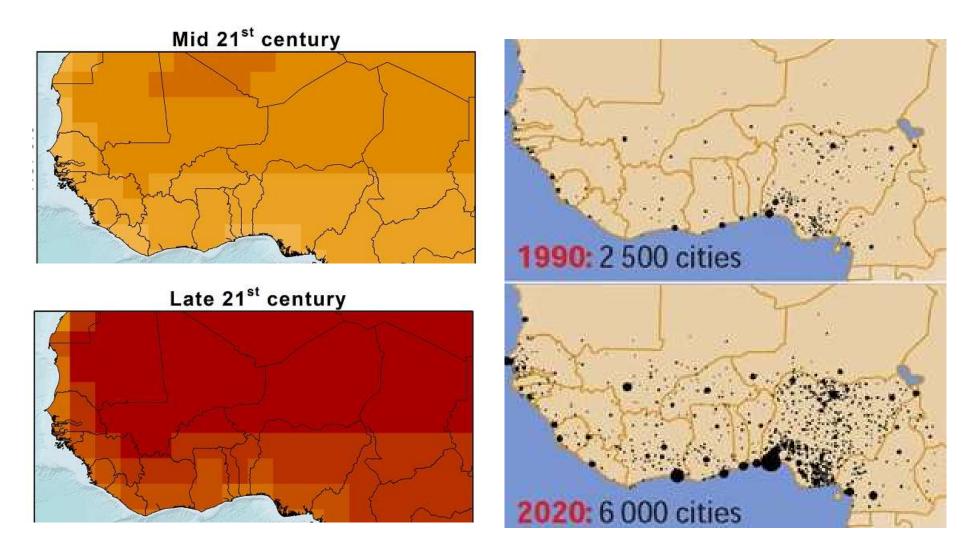


### NEXT STEP: MAKE PLAN FOR PERMANENT RESILIENT SOLUTIONS FOR THOUSANDS OF INHABITANTS AT RISK



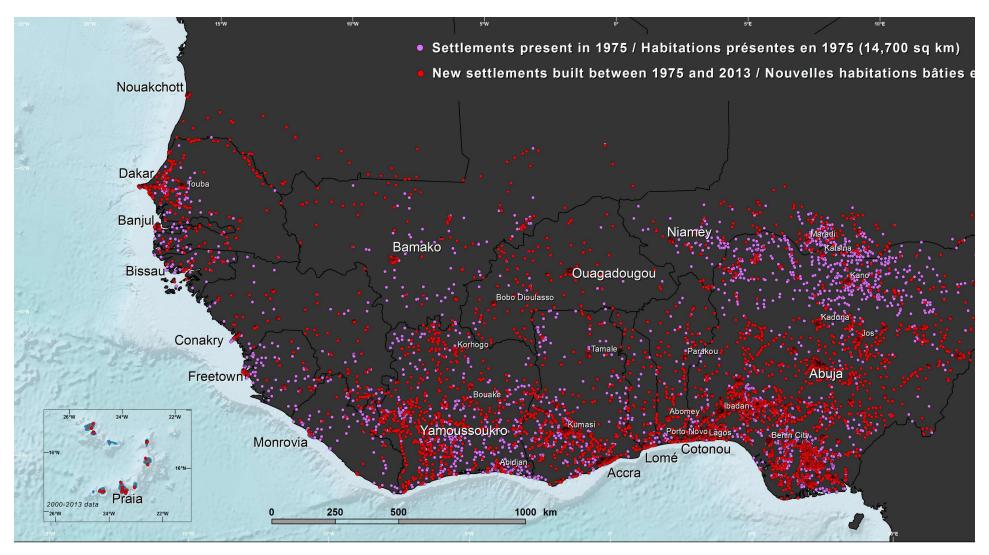
### AND THERE IS MUCH MORE TO COME...

#### **CLIMATE CHANGE**



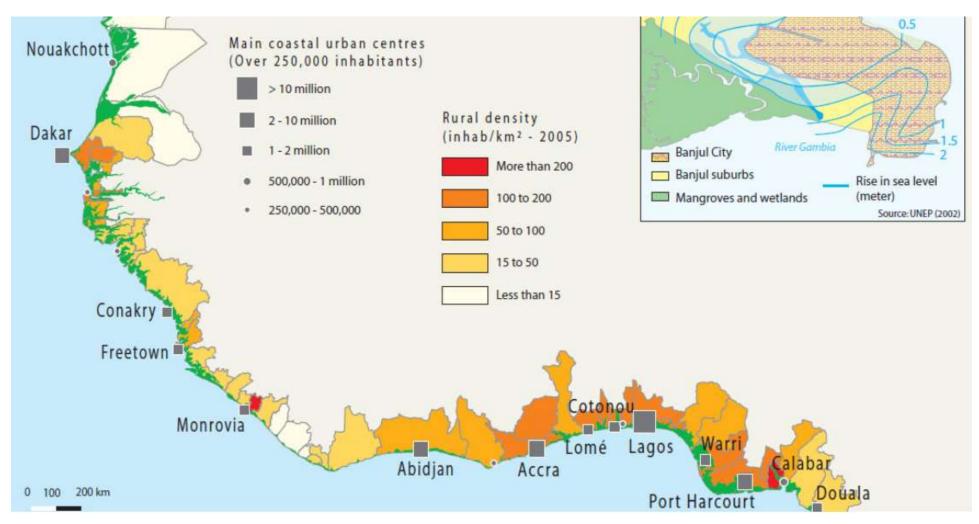
West Africa rise of heat and growth of cities

#### **CLIMATE CHANGE**



West Africa pressure on the coast

#### **URGENT NEED FOR AWARENESS AND ACTION**



West Africa Coast population distribution in climate effect sensitive zone

"I am very afraid for the future of this place. Sooner or later we will have to leave, but we have nowhere to go."

Buabasah a resident of Fuvemeh, <u>a West African town being</u>
<u>swallowed by the sea</u> as reported by Matteo Fagotto

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