







International Workshop in the Urban Studies Journal Seminar Series

Bearing the brunt of environmental change: understanding climate adaptation and transformation challenges in African cities

Royal Holloway, University of London, 16 -17 April 2013

EXPLORING COPING STRATEGIES FOR SUPPORTING AUTONOMOUS ADAPTIVE CAPACITY IN DAR ES SALAAM

London, 16 April 2013

Liana Ricci

Department of Civil Engineering, Building and Environment (DICEA)

liana.ricci@uniroma1.it

Setting the Scene

 Facing the coupled effects of GEC and fast growing cities



Dar Es Salam, Bagamoyo Road, 2011

liana.ricci@uniroma1.it

16 April, 2013

Pagina 2

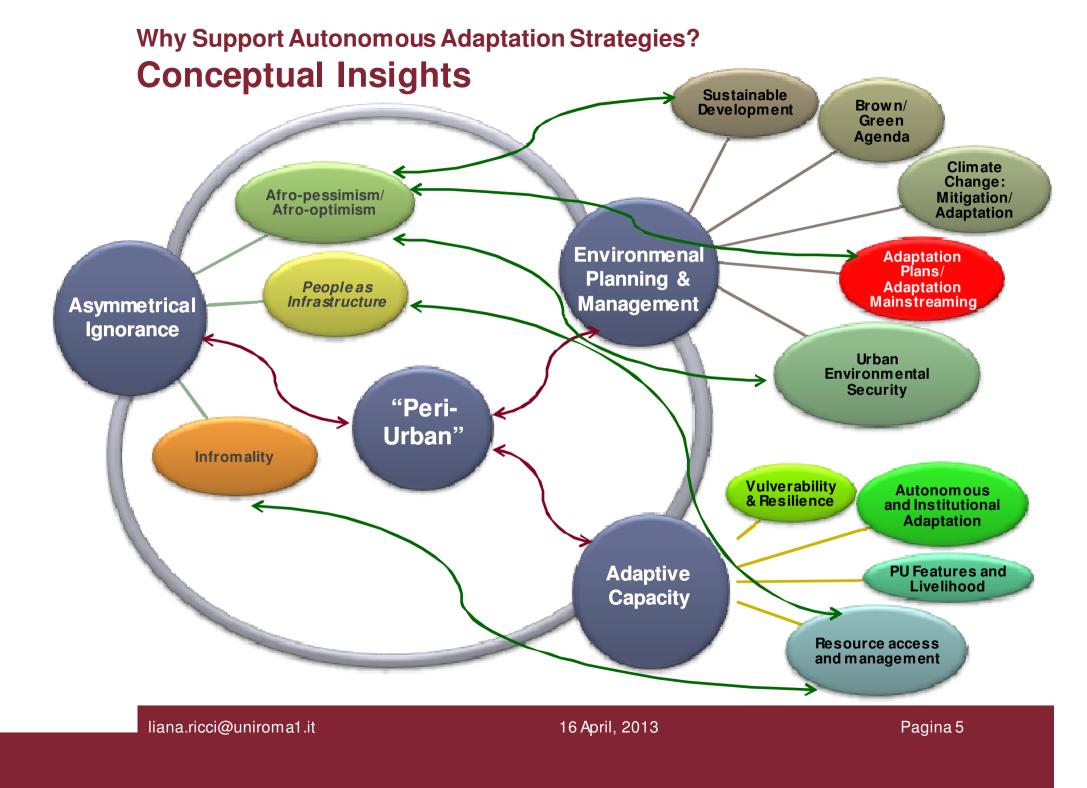
Setting the Scene

- Facing the coupled effects of GEC and fast growing cities
- What vulnerabilities? Dealing with uncertainties in:
 - Climatic changes and variability
 - City changes and development
 - Financial resources
- Supporting autonomous adaptive capacity as an effective strategy to reduce vulnerability

Dar Es Salam, Bagamoyo Road, 2011

Guiding Questions

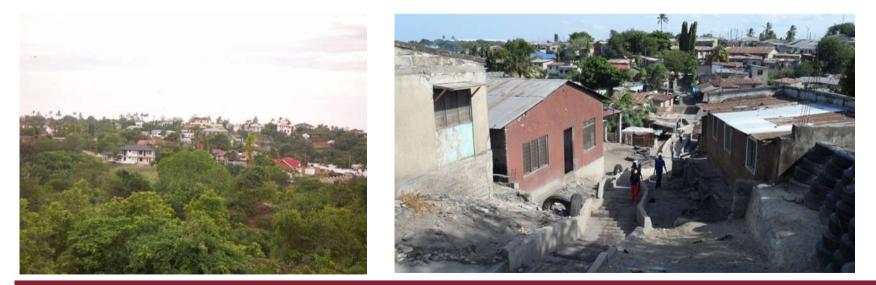
- Why support "autonomous" adaptation strategies?
- How support "autonomous" adaptation strategies?
 - Understanding the drivers of autonomous adaptation strategies
 - Understanding how LGAs can monitor and support these strategies
 - Understanding how identifying entry points to support autonomous adaptation strategies



Interacting dynamics of livelihood, institutional activities, ruralurban interplay and environmental change offer both opportunities and challenges for enhancing peoples adaptive capacity.

• Contextual Vulnerabilities VS Inherent Vulnerability

• Autonomous Adaptive capacity as function of residents' characteristics and livelihoods, environmental features and spatial location

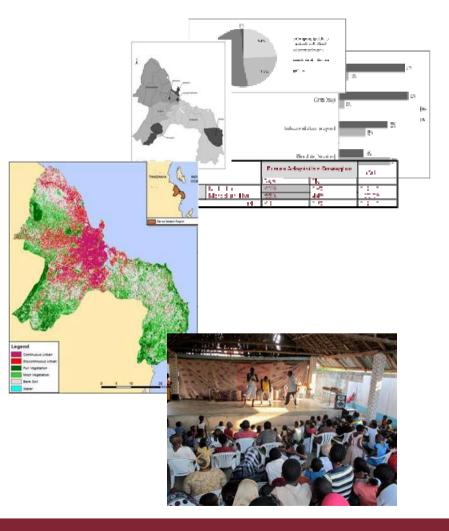


liana.ricci@uniroma1.it

16 April, 2013

Pagina 6

- Exploring coping strategies
 - Data source 6000 household questionnaire in PU Dar es Salaam
 - Land Cover Classification
 - Environmental features and characteristics
 - Participatory Forum Theatre



Current Adaptation Strategies

- Changes in livelihood strategies
- Changes in modalities of accessing resources
- Changes in environment (e.g. river embankment, house/land)
- Move to another area
- Change type of livelihood strategies

Diversifying sources of livelihood



Agriculture



Collecting and selling recycled material

Current Adaptation Strategies

- Changes in livelihood strategies
- Changes in modalities of accessing resources
- Changes in environment (e.g. river embankment, house/land)
- Move to another area
- Change type of livelihood strategies





Rice



Cow s



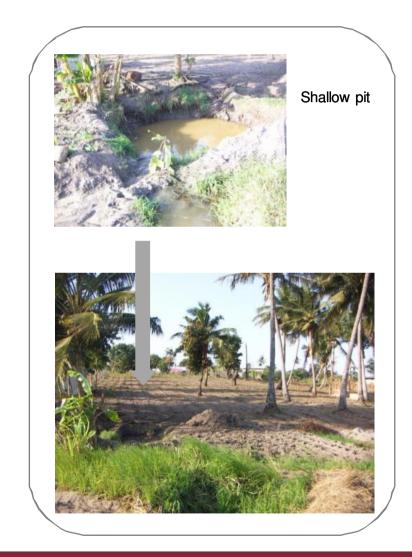
Chicken

Change in crops or livestock





- Changes in livelihood
 strategies
- Changes in modalities of accessing resources
- Changes in environment (e.g. river embankment, house/land)
- Move to another area
- Change type of livelihood strategies



- Changes in livelihood strategies
- Changes in modalities of accessing resources
- Changes in environment (e.g. river embankment, house/land)
- Move to another area
- Change type of livelihood strategies

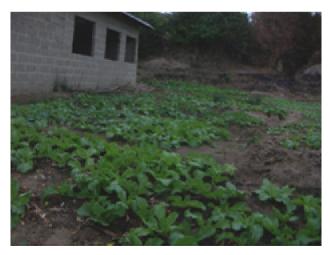


- Changes in livelihood strategies
- Changes in modalities of accessing resources
- Changes in environment (e.g. river embankment, house/land)
- Move to another area
- Change type of livelihood strategies



- Changes in livelihood strategies
- Changes in modalities of accessing resources
- Changes in environment (e.g. river embankment, house/land)
- Move to another area
- Change type of livelihood strategies (e.g. switch to different income generating activity)

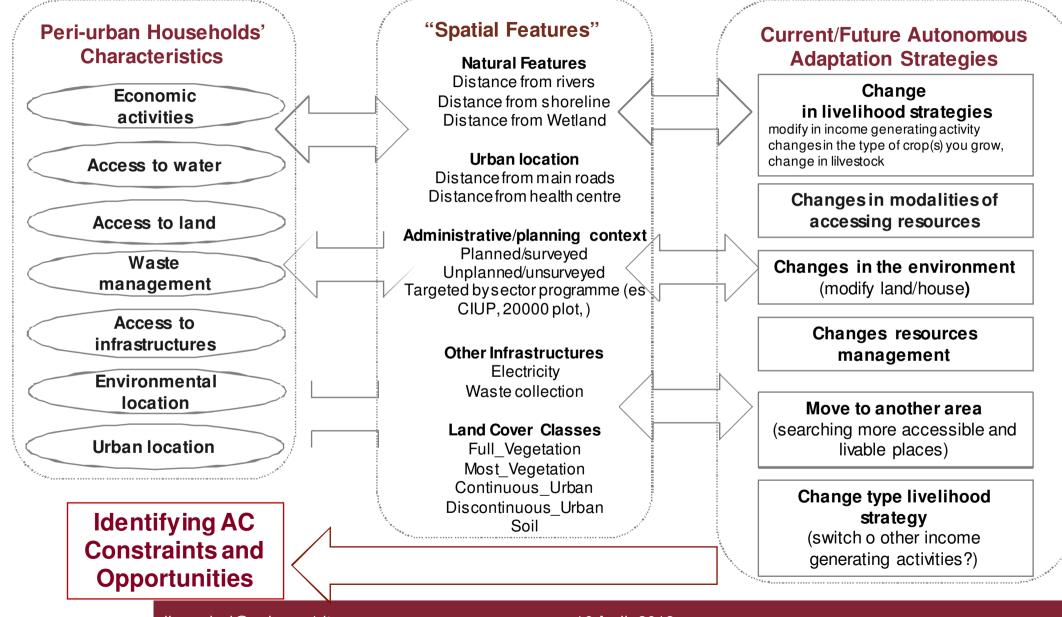




- Changes in livelihood
 strategies
- Changes in modalities of accessing resources
- Changes in environment (e.g. river embankment, house/land)
- Move to another area
- Change type of livelihood strategies (e.g. switch to different income generating activity)

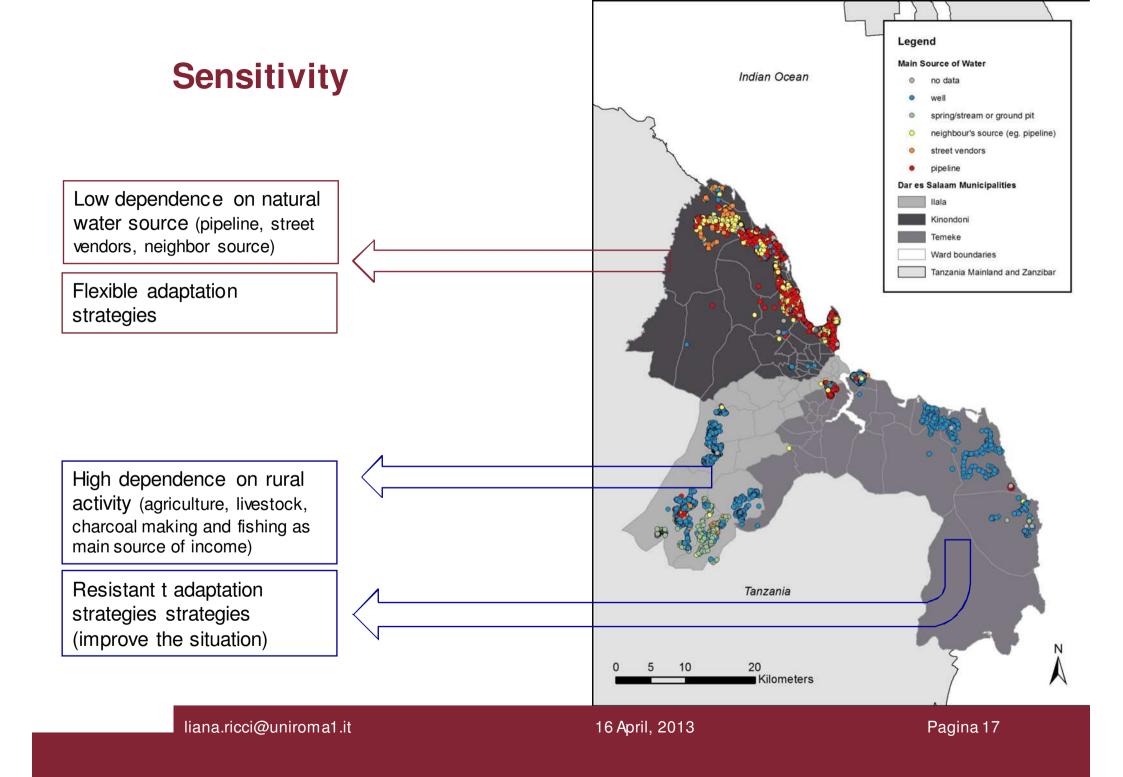


How Support Autonomous Adaptation Strategies? Understanding how LGAs can monitor and support these strategies



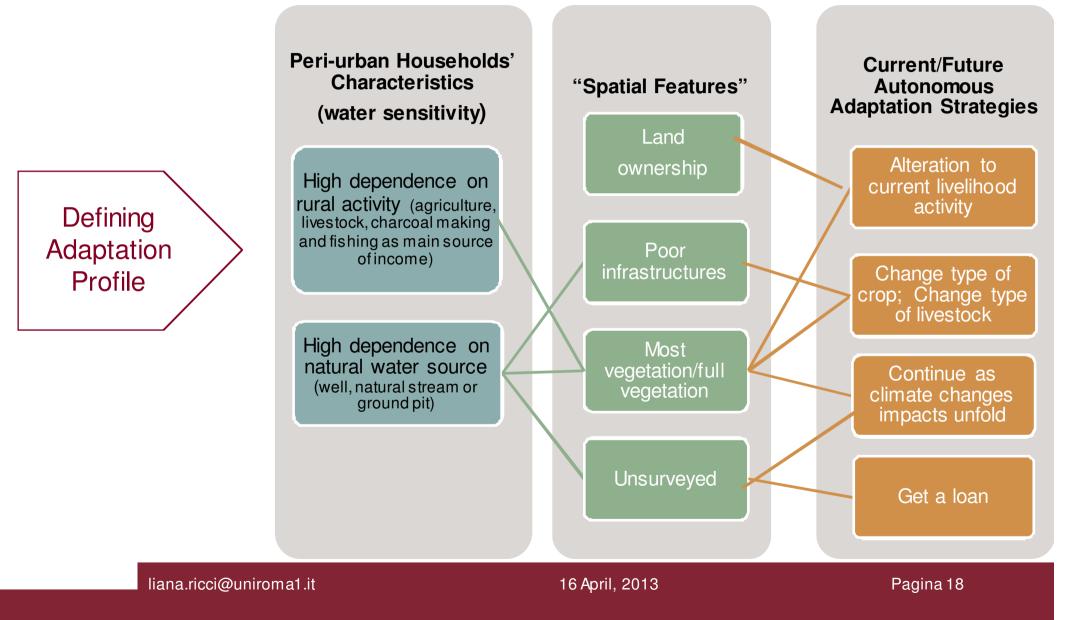
liana.ricci@uniroma1.it





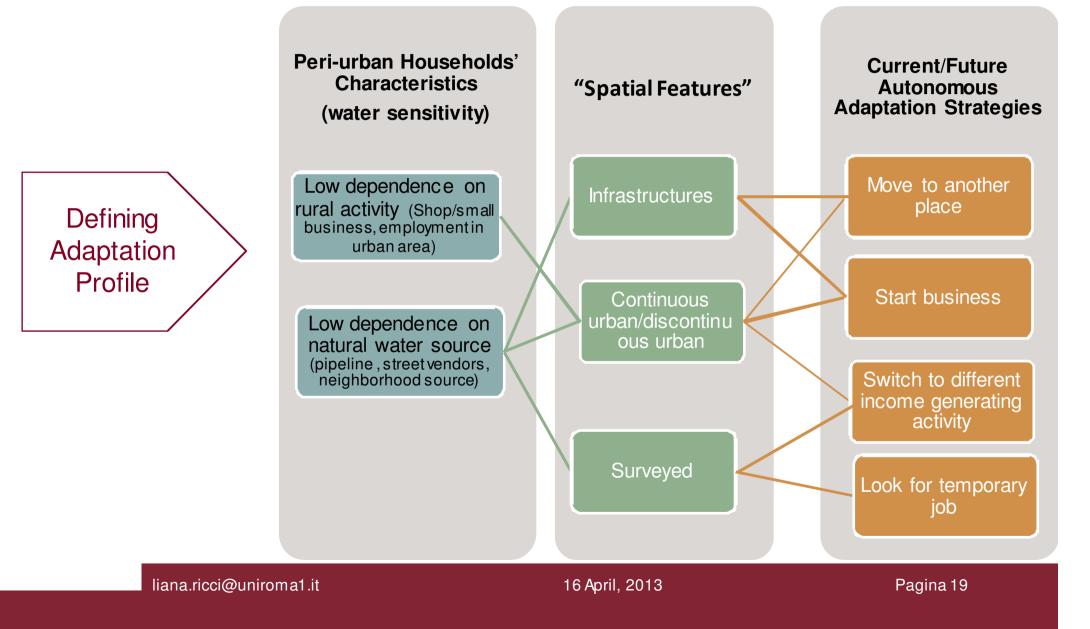
How Support Autonomous Adaptation Strategies?

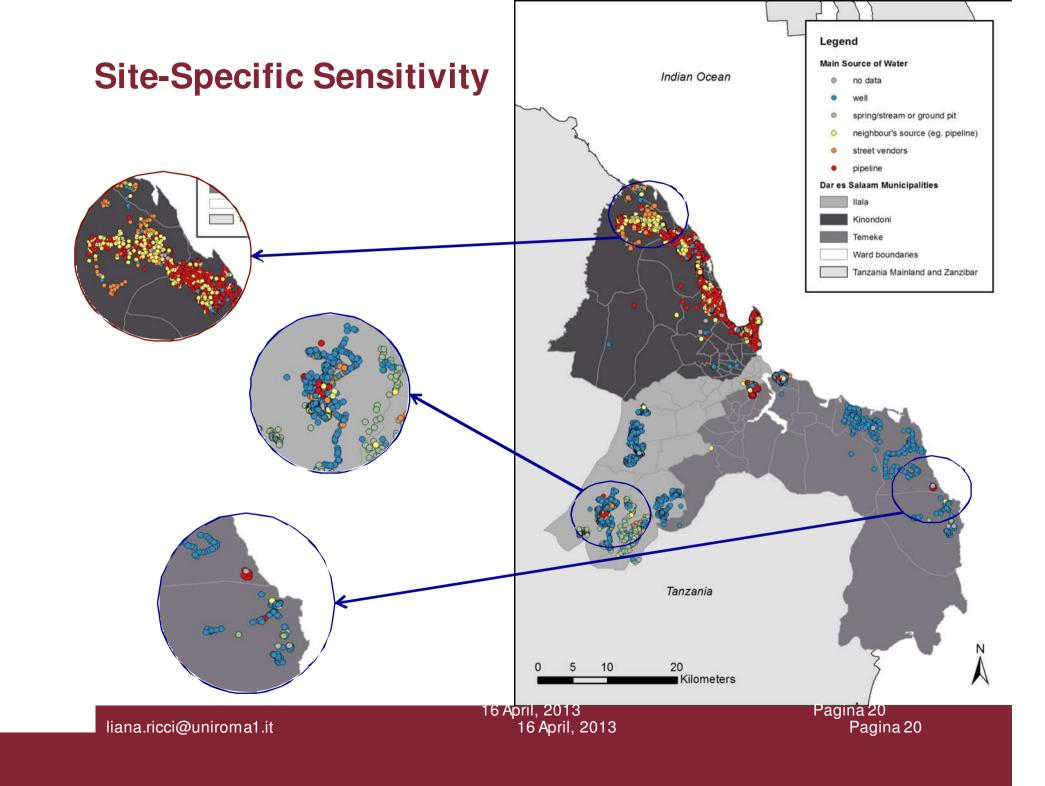
Understanding how LGAs can monitor and support these strategies



How Support Autonomous Adaptation Strategies?

Understanding how LGAs can monitor and support these strategies





The Way Forward

How identifying entry points to support autonomous adaptation

What are the drivers of adaptation profiles?

• Expression of people agency VS Self- exploitment

Faceable investigation tools:

• Forum Theatre: adaptation options and obstacles, power relations, opportunities, resources to overcome the challenges

The Way Forward

How identifying entry points to support autonomous adaptation



liana.ricci@uniroma1.it

16 April, 2013

Pagina 22

Concluding Remarks

- High Adaptive Capacity; how and when to "support" it?
- Livelihood, adaptive capacity and modalities of accessing resource are deeply anchored to the place: green infrastructures might exacerbate the impact of GEC, increasing vulnerabilities rather than reducing them
- How can planning take these interdependencies into consideration?
- How to bridge the distance between planning and practices?



Thank you

Sapienza University of Rome DICEA - Department of Civil, Building and Environmental Engineering http://www.dicea.uniroma1.it/

> Liana Ricci liana.ricci@uniroma1.it

Adapting to Climate Change in Coastal Dar es Salaam www.planning4adaptation.eu/