Who retreats? who reclaims? emerging policy, practice, and environmental justice in global south megacities.





Jola Ajibade,
Department of Geography
Portland State University



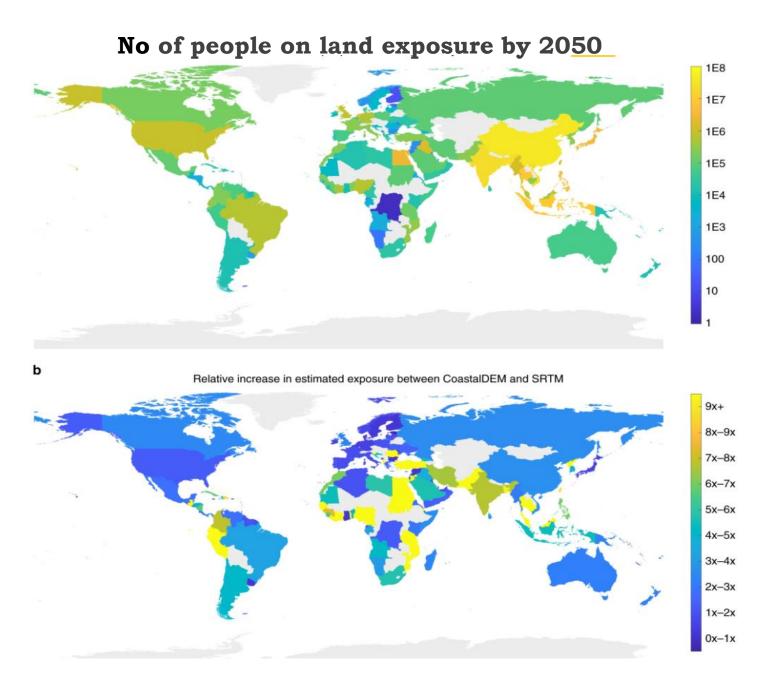
ARTICLE

https://doi.org/10.1038/s41467-019-12808-z

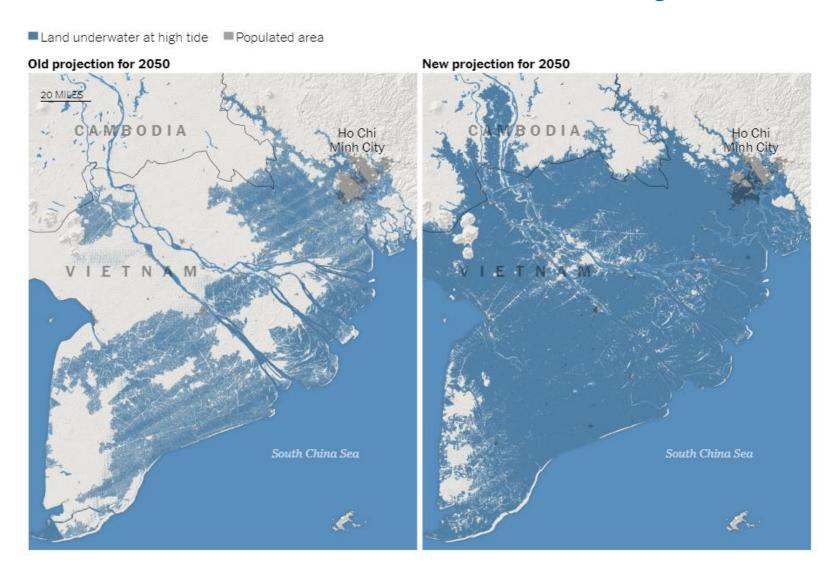
OPEN

New elevation data triple estimates of global vulnerability to sea-level rise and coastal flooding

Scott A. Kulp1* & Benjamin H. Strauss 10 1

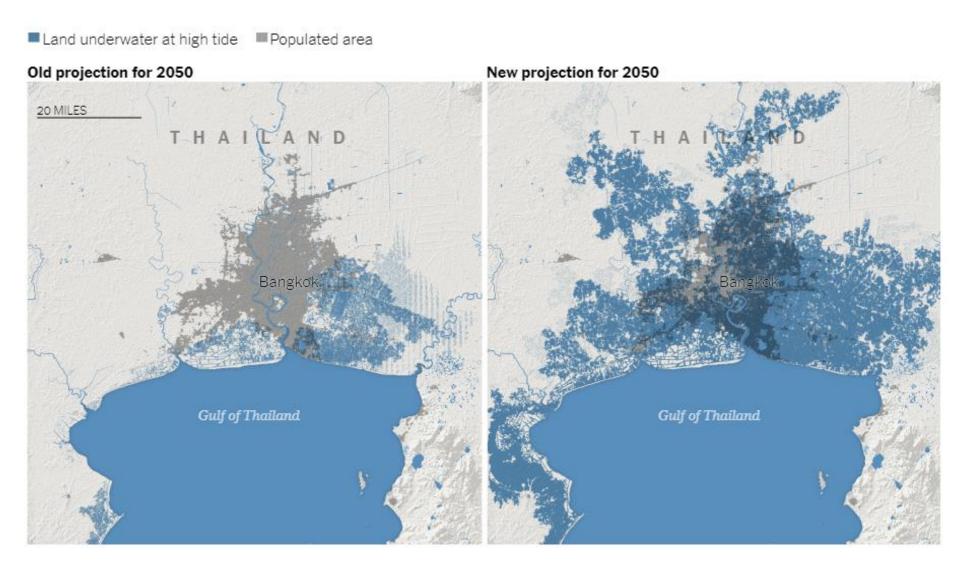


Ho Chi Minh City

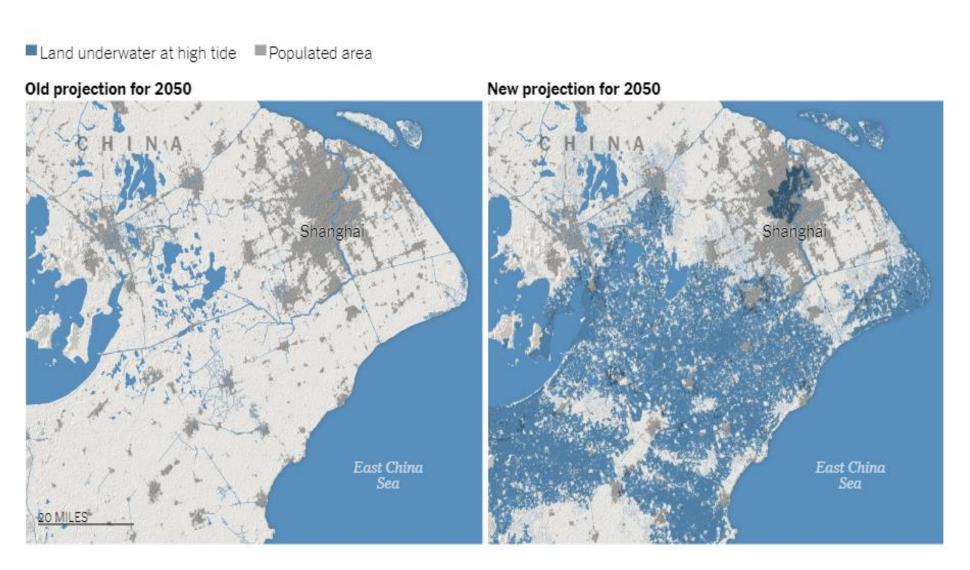


Southern Vietnam could all but disappear.

Bangkok



Shanghai

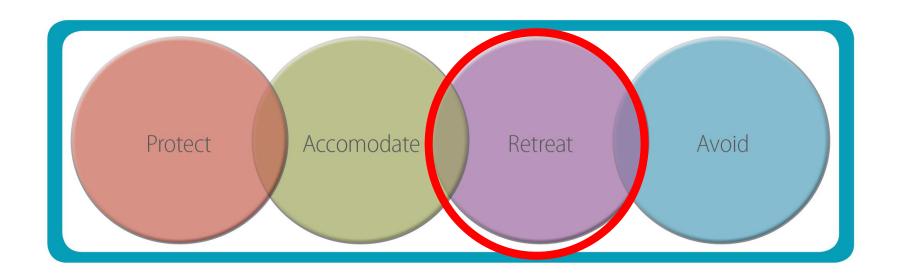


Alexandria

■Land underwater at high tide ■Populated area

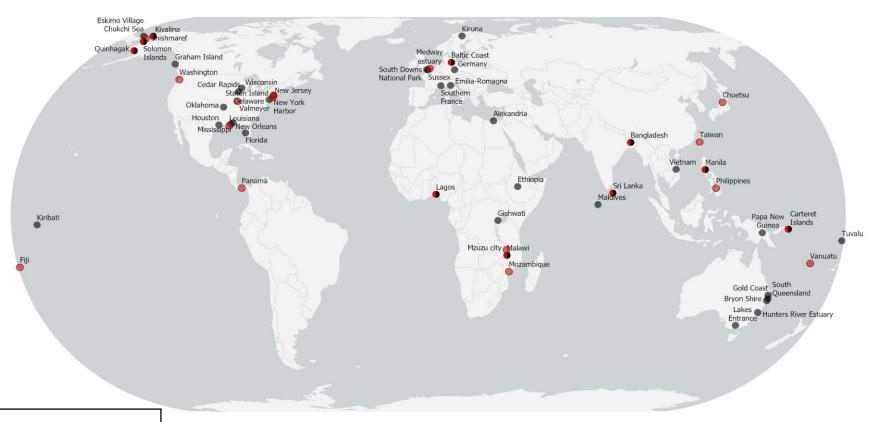
Old projection for 2050 New projection for 2050 Mediterranean Mediterranean Sea Alexandria Alexandria 10 MILES

Should cities retreat?



When and How?

Global map of retreat locations



Legend

- Reactionary
- Anticipatory
- Combined A& R

Case study sites

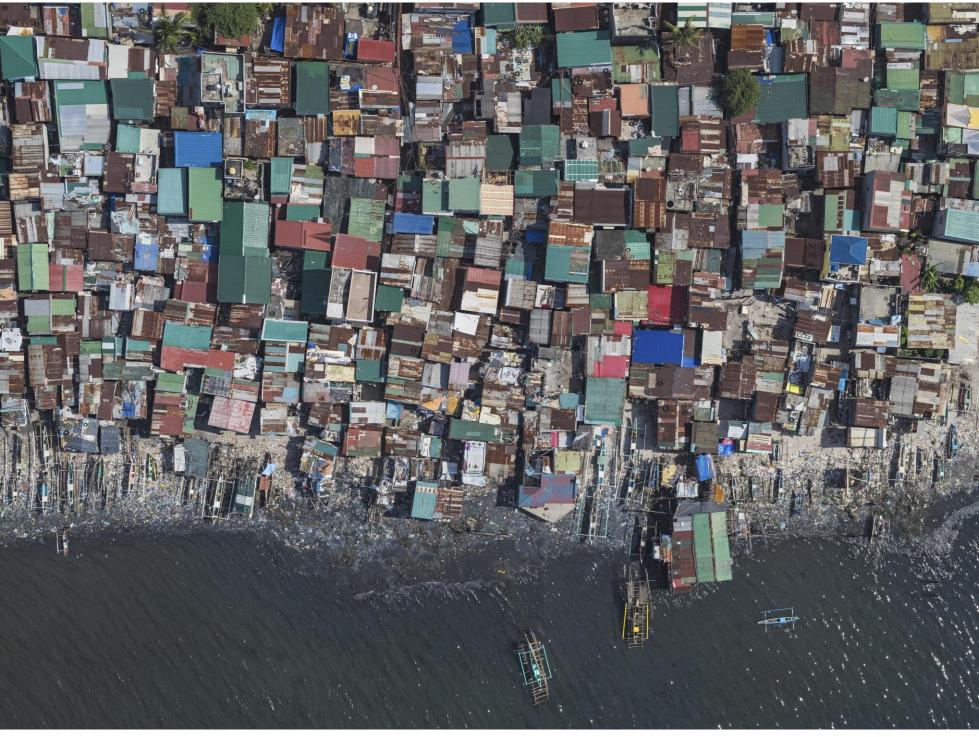


Photo credit: Bernhard Lang





Environmental justice & managed retreat

 Environmental Justice: The fair treatment and meaningful involvement of all people with respect to the environmental policies and laws

- Managed retreat & EJ
 - Risk avoidance and access to resource
 - Procedural justice (ex ante)
 - Distributive justice (ex post)
 - Cultural and livelihood losses
 - Marginalisation & facilitation
 - Redistribution of risk



Research Questions

- 1. When cities adopt or refuse retreat policies, whose interests does it serve?
- 2. Who has the power or resources (political, legal, and economic) to influence retreat plans or to mitigate future risk?
- 3. Who retreats voluntarily or forced, and under what circumstances?
- 4. Who manages retreat?
- 5. And what happens to the land/coast after people retreat?

How does geography intersect with class, socioeconomic conditions, and value systems, to shape people's ability and willingness to retreat or adapt in-situ?

Method & Data Analysis

Policy analysis

Expert interviews

Focus group discussions

Field Observation





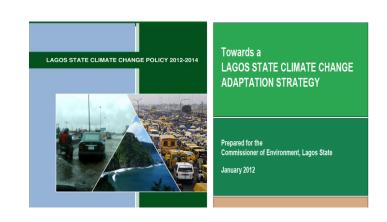
Findings

Managed retreat in CCA Policy

City	Year	Title	Retreat/ relocation
LAGOS	2012	The Lagos State Climate Change Adaptation Strategy	
LAGOS	2012	The Lagos State Climate Change Policy	
M-MANILA	2009	The Climate Change Act of 2009 / Act 10174	_
M-MANILA	2011	Disaster Risk Reduction Management Act	_
QUEZON CITY	2017- 2027	Quezon City Local Climate Change Action Plan	

Managed retreat in policy: Lagos

- Policy 'in tent': no discrimination on the basis of class, geographic area, industry or valuation lens.
- Recommends relocation of communities, transportation, energy infrastructure, and industries
- Recommends: the establishment of buffer zones



Managed retreat practice: Lagos

- Target of retreat: the urban poor
- Constructed as a 'risk to the city'
- 7 days ultimatum to retreat; no consultation

Kuramo eviction, 2012

Agony of Kuramo Beach community

POSTED ON THURSDAY, AUGUST 23RD, 2012



Otodo Gbame eviction, 2017



Photo: Demolition at the beach, Photos: Kunle Ajayi

Photo: Reuters



Photo: Reuters



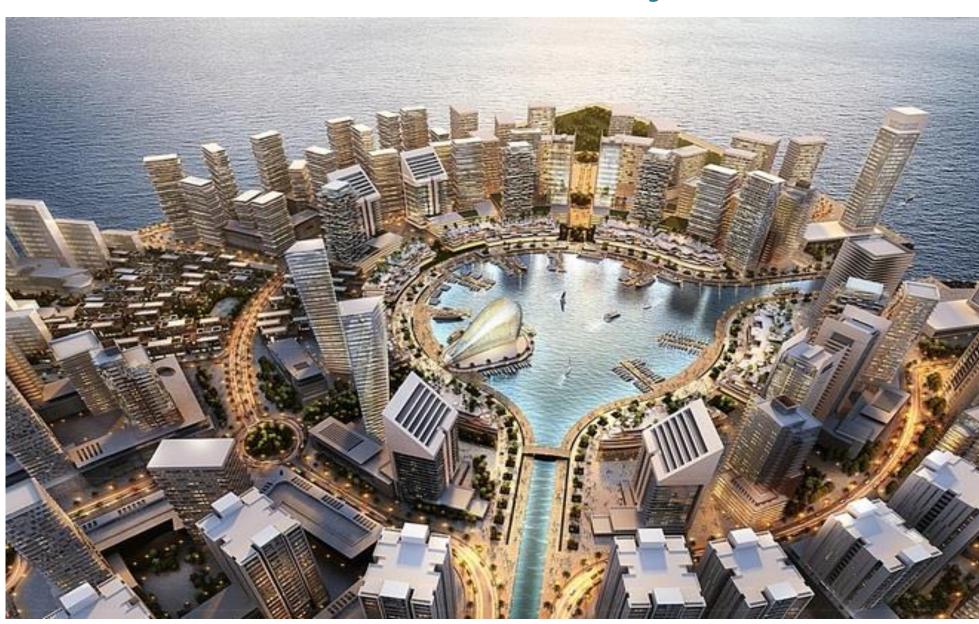
Photo: Sahara reporters

Retreat and Risk Redistribution

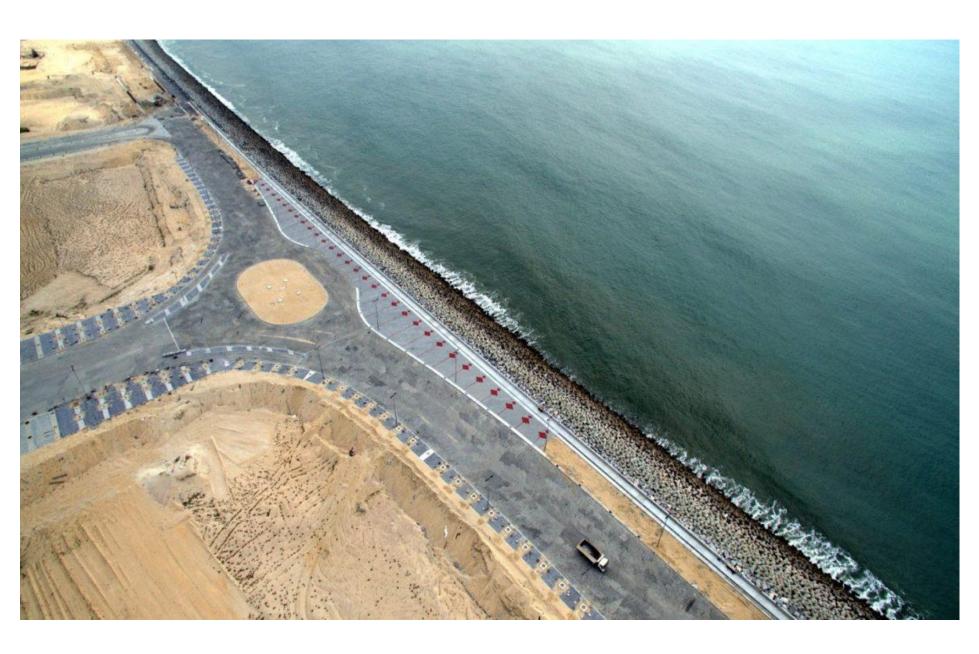
A group of former Otodo Gbame residents now living in Makoko.



Eko Atlantic city



Project status: construction phase



Orange Island



Project status: construction phase

Gracefield Island



Project status: construction phase



Source: Nigeria construction journal

Managed retreat practice: Lagos

- SRL downplayed for wealthy enclaves
- Utopian development seen as a source of resilience

Sea level rise is not considered an imminent danger for Lagos. The construction of the EAC and other islands is a welcome development. it will boost economic growth in the City.

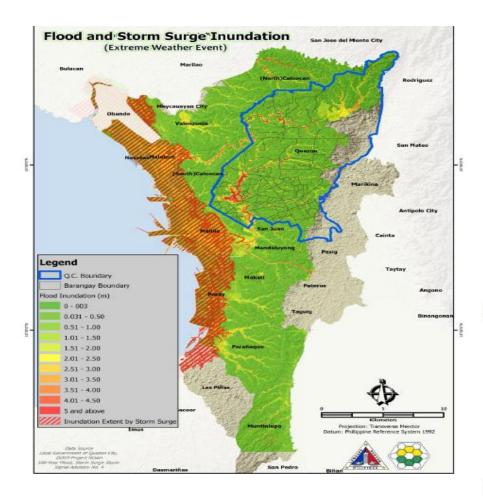
City expert, March 2016

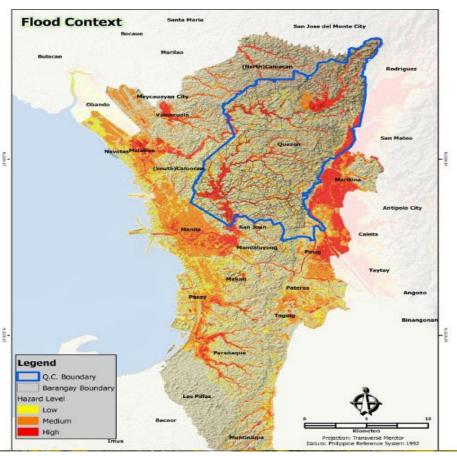
Double standard

Retreat for the poor, reclamation for the rich

Manila

Manila: flood and storm inundation maps





Source: QCCDRMO, 2017

Managed retreat practice: Manila

- Target of retreat: the urban poor
- Provision of social housing
- Mortgage-pathway to homeownership



Resettlement site: Bulacan



Photo: Bulatlat

Barriers to Retreat: Manila

Cycle of retreat and return

The lack of livelihood opportunities in resettlement site

"As long as we have a place to be transferred, we're fine. But of course, we want where there are jobs. Because if you transfer to a far place and you can't eat anything, you will die there too."

(Frank, resident of Manila)

Barriers to Retreat: Manila

Lack of social services as a disaster

"The relocation site are incomplete and far from people's employment? How about economic, transportation and schooling needs of their children? That for me is a disaster, because there are no social services."

(Esther, City expert, Quezon city)

Managed retreat practice: Manila

Retreat: Government offices to New Clark City



Project status: construction phase

Managed retreat in practice: Manila



Estrada approves building 3 islands at Manila Bay for new commercial district

The city government says the reclamation project, dubbed Horizon Manila, is expected to generate 'hundreds of thousands of jobs' and billions of pesos in revenues

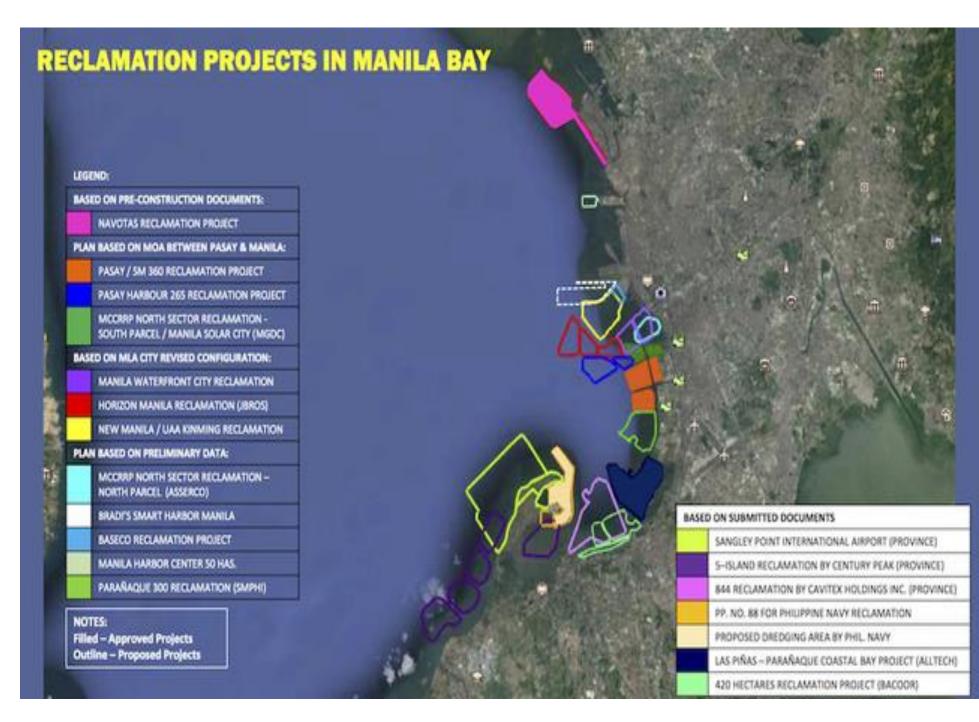








Photo: pinoynews



Map from the Philippine Reclamation Authority



Utopian imaginaries as a barrier to retreat and just transformation

Create path dependency

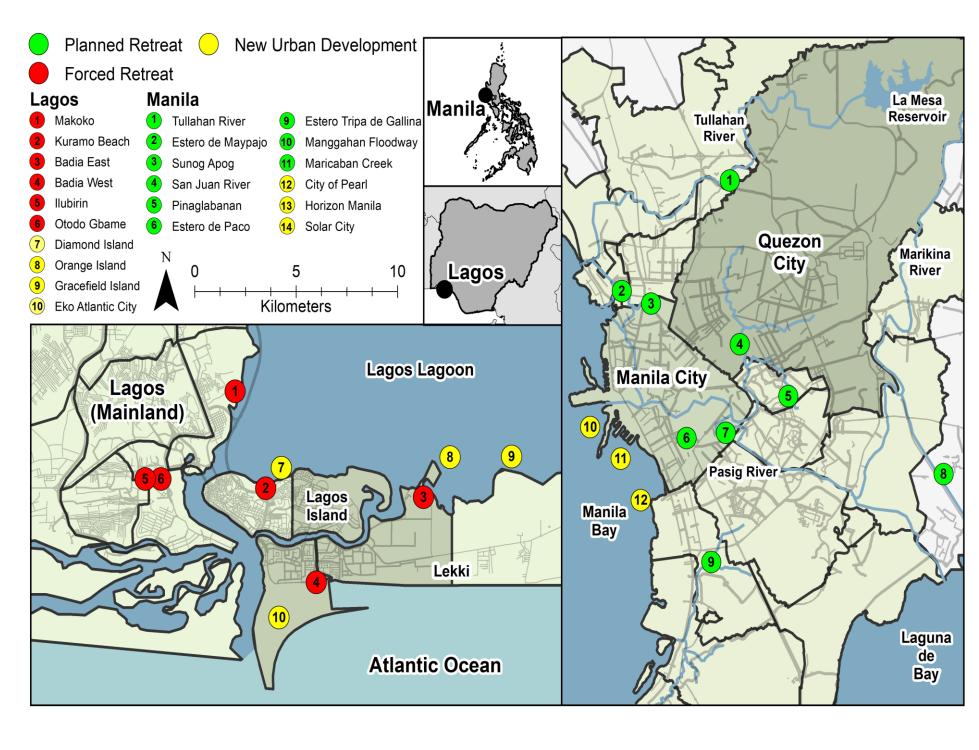
More adaptation dollars in the future

When completed, the Solar City, with its gleaming skyscrapers and world-class amenities, would be crucial to arresting the rapid deterioration and decay of an old city like Manila

Mayor of Manila



A new city will fix the old city



Climatic uncertainties and reclamation create a trust deficit on managed retreat

Conclusion

Retreat and coastal reclamation are simultaneously happening

 The reconfiguration of waterfront areas is shifting the regimes of rights and opportunities available to different groups

• Who is marginalized through retreat and who is facilitated through investment in "resilience infrastructure"?

• What is required to ensure an environmentally and socially just approach to retreat?

Thank you

Questions or Comments: Contact Jola Ajibade at jajibade@pdx.edu



This research was supported by PSU (Faculty Development Fund).

Many thanks to research assistants: Arla Fontamilas, Mary David, and study participants in Metro Manila and Lagos; community leaders.