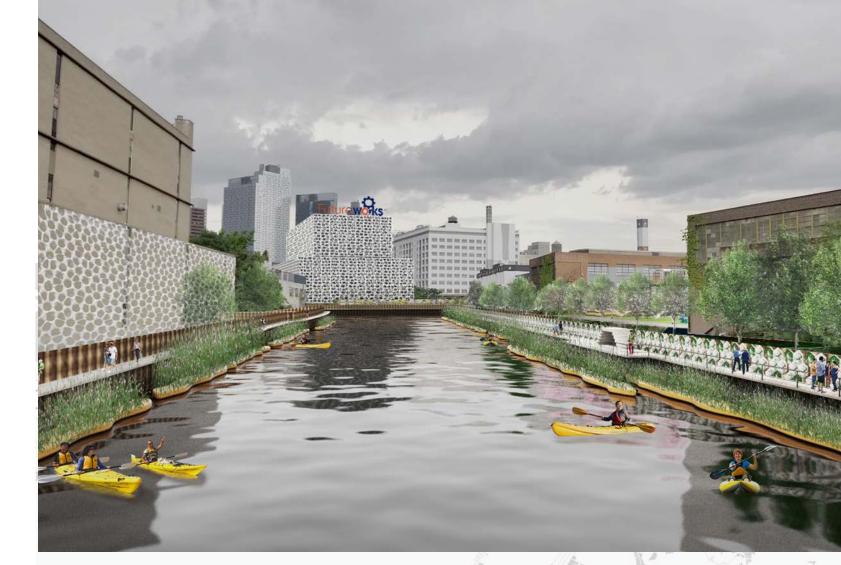
PORTFOLIO

NINA SKY **LISH**

Columbia University, GSAPP

Master of Science in Architecture and Urban Design New York, June 2019 - May 2020



MANUFACTURING PUBLIC SPACE Prof. Nans Voron

Prof. Tricia Martin

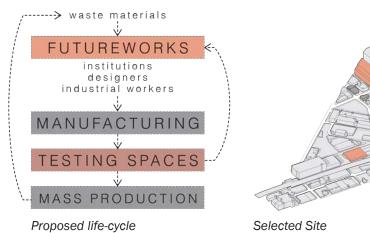
The Industrial Business Zone (IBZ) in Long Island City, NY was established to protect existing manufacturing districts and encourage industrial growth citywide. The IBZ is economically vital, centrally located and a well-connected mass-distribution center. The design promotes internal accessibility and the workers and locals social connections, which in turn improves the industrial community. The streetscape design has a hierarchy of traffic and a new pedestrian greenway. The water catchment and bioremediation systems mitigate the toxic history of the site. The proposed futureworks buildings re-invent the closed loop recycling process of the existing industries. By engaging new collaborators, they can reproduce waste materials into new products like urban furniture, pedestrian bridges, sculptures, canal wall and paving to test in a lively public space.

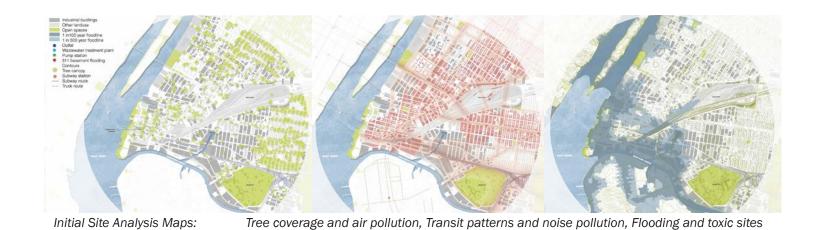






Site Analysis of NYC IBZs







Daytime loading and unloading







Nighttime pop-up market and event space Proposed Streetscape Design



MIGROCULTURE

Prof. Kaja Kühl

Industrial Agriculture in the US today operates in a way that is out of sync with both the long term sustainability of the land and the well being of the people it is designed to feed. Although Agriculture makes up 9% of GHG emissions in the US, it's surprisingly low at just 0.64% in the Hudson Valley, NY. Regenerative Agriculture practices can rebuild soil, which leads to increased carbon storage, environmental benefits, as well as healthier food. Migroculture begins with an arterial route connected with adjacent paddocks and harvested cropland through easements. Farmers will be able to share each other's land and develop social networks. Livestock become crucial in keeping the land sustainable and productive with rotational pasture management and diverse crops. The region in turn can sequester ample carbon from industries that can not easily transition.

MIGROCULTURE WORKSHOPS

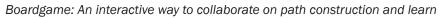
Prof. Kaja Kühl



Hudson Farmer's Market









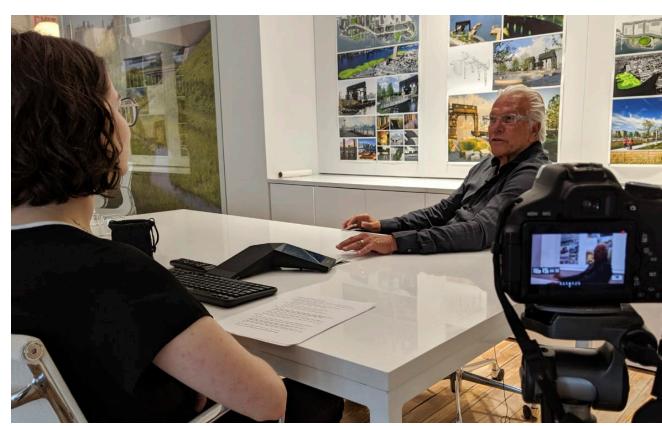
Playing the boardgame with the jury at final review workshop



GRICULTURE

BENCH MATTERS DOCUMENTARY SHORT FILM

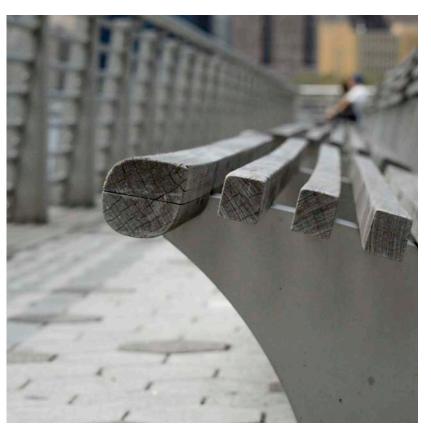
Prof. Cassim Sheperd



Interview with Thomas Balsley, Principle, SWA



Still Frame of "Bench Islands" in Gantry Plaza State Park, LIC



Still frame from film



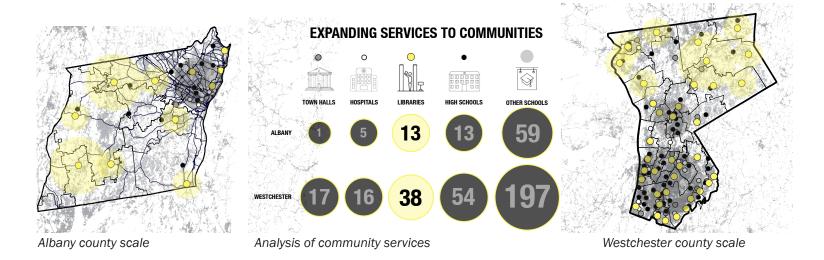
Storyboarding



Designing libraries for the Green new Deal

THE LIBRARY AS SOCIAL INFRASTRUCTURE Prof. Kaja Kühl

The library's neutral and welcoming nature makes it the ideal place for democracy and political transparency. The library is where social infrastructure forms a resilient society. As a free public institution, the library equitably distributes vital resources, relevant programming and civic participation. When communities are faced with massive changes, libraries are a mechanism nimble enough to absorb the impacts. Climate change is not just a scientific issue where the library is a source of accurate information; it's a justice issue where libraries are in the unique position to bring more people to the table. There should be citizen science micro-libraries distributed across the region enable residents to collect and distribute data, town halls and civic meetings at a county level will be held in local libraries. Residents can vote on relevant topics in this neutral space.





River walls captured on film



Workshop Tiled Map



Housing Rehabilitation Program Sketches

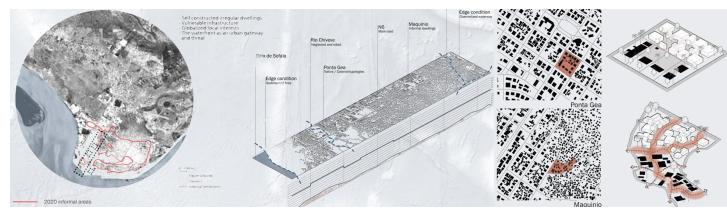
RESILIENCE ACCELERATOR: JOHNSTOWN, PA

Prof. Kate Orff Prof. Thad Pawlowski I had been to Johnstown during the summer of 2015 while I was pedaling across the US for affordable housing. On that visit, I remember taking the funicular up the mountain and seeing a small and neglected industrial town. This memory became entangled with the many generous people I met and the colorful lives they led. When I returned four years later, I was with classmates and professors to help imagine strategies and design a Green New Deal. We arrived in Johnstown with maps, case studies, markers and open minds to run a Resilience Accelerator Workshop. We shared ideas, offered outside perspectives and allowed new connections to be made in the community to solve complex local and regional problems. Facilitating workshop activities can be the best way to understand a place, engage with stakeholders and inform design decisions.

ADDIS ABABA, ETHIOPIA BEIRA, MOZAMBIQUE Historical Timeline, Population Growth and Migration map

THE GREAT RIFT VALLEY GLOBAL TRANSECT

Prof. Kate Orff Prof. Thad Pawlowski The Water Urbanism design studio began with an investigation of urbanization and climate challenges in three cities along a global transect. The Great Rift Valley is marked with fossil evidence of the beginning of human civilization. The rift calls attention to an alternative narrative at play in the world, a narrative of tension, instability, conflict, migration and emergence. Tel Aviv, Addis Ababa and Beira exist at differnt elevations along this global geological transect. While working in a large team of nine colleagues, I led my group to illustrate the housing typologies and study the built fabric. Together, we presented human migration, moving towards resources or away from conflict, settlement and the idea of returning to intelligence of how native housing was built before colonization. This project allowed the studio to question what is typically categorized as "informal."



Rapid Urbanization Planning Study

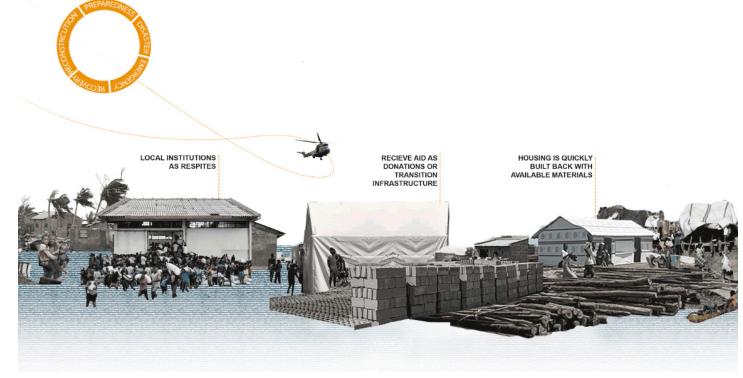
City Transect

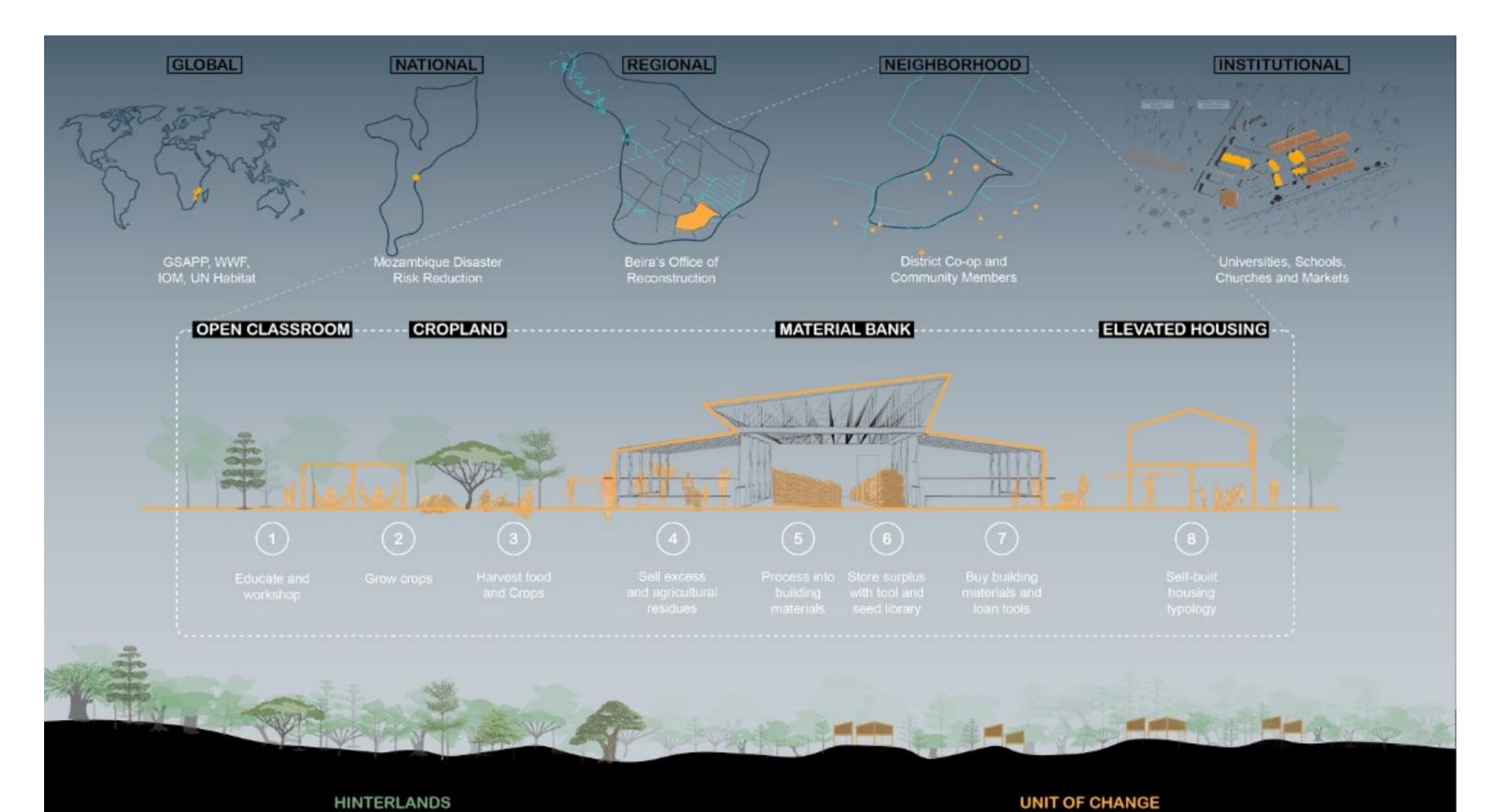
Existing Urban Fabric and Massing Study



ALIANÇA PARA
UMA BEIRA
CONSTRUTIVA
(ABC) Alliance for a
Constructive Beira

Prof. Kate Orff Prof. Thad Pawlowski A framework that proposes to change the existing post-emergency reconstruction process into a more inclusive resilient one, anchoring our efforts on local social infrastructures and regional productive landscapes. We propose a nested implementation which recommends that multi-scalar actors redirect NGO funding and international aid for Mozambique's National Disaster Risk Reduction in partnership with Beira's Office of Reconstruction. We propose neighborhood Districts which will organize co-ops and community members with the local institutions through Aliança para uma Beira Construtiva or ABC. This system will diversify the existing agricultural market, promoting local economies, and new job training opportunities.

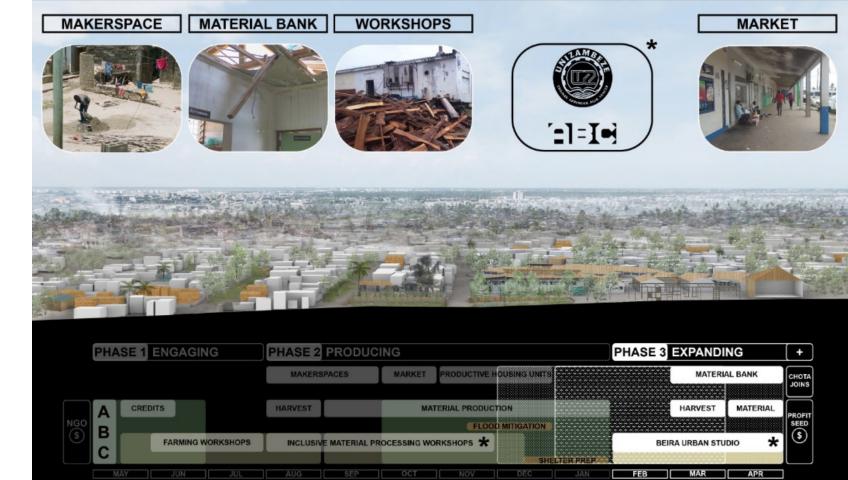
















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