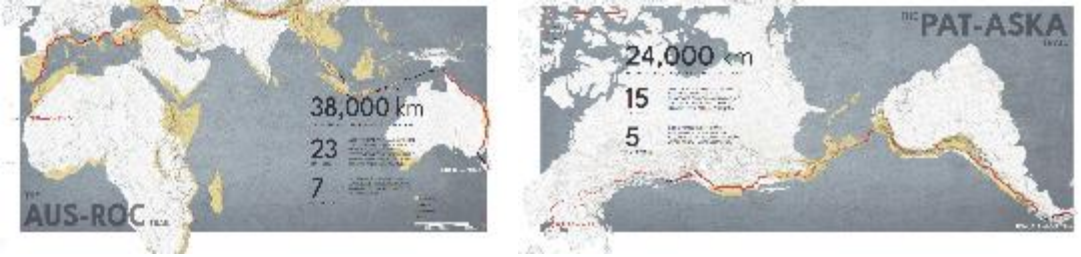
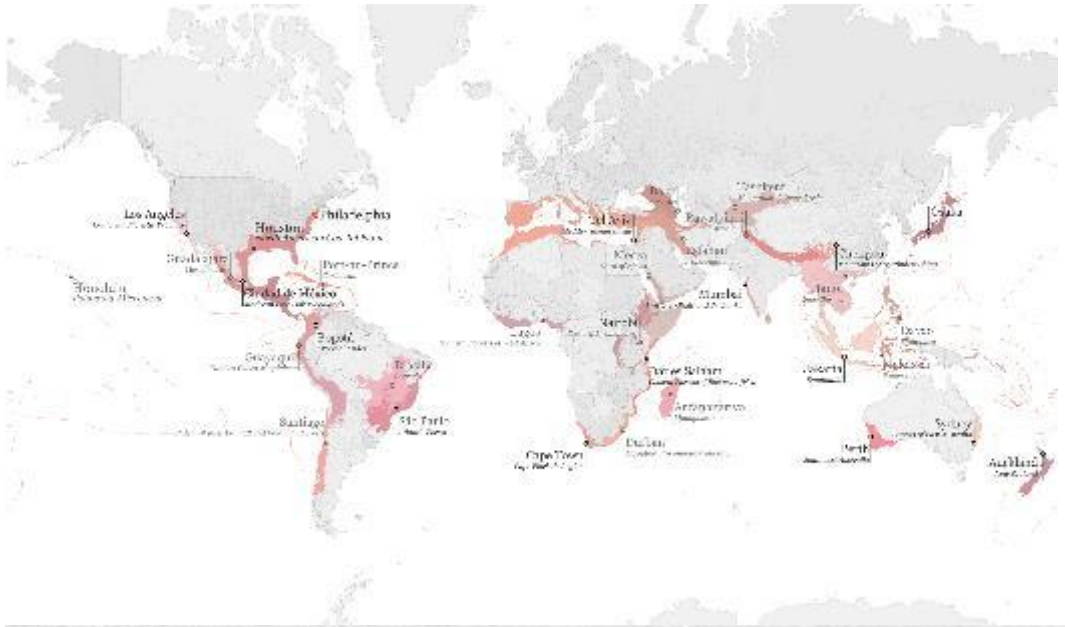
What we are seeing:

- In the Anthropocene, landscape architects need to learn to ‘design with nature’ to have impact at a **planetary scale**.
- The rapid pace of change that accompanies the climate crisis makes it difficult to focus on conservation per se. Landscapes that have been lost will need to be restored, also in cities. Ecosystem-based Adaptation (EbA) is necessary to reduce climate impacts.
- The notion of **‘sustainability’** has been **superseded by** the concept of **‘resilience’ .**‘Resilience’ acknowledges the increased dynamics and uncertainty of our age, and has a conceptual framework that helps developing an increased understanding of multi-scalar work, with an investment in human-physical interactions.
- There is a missing **role for design** in mitigating **biodiversity** loss, enabling recovery, engaging stakeholders and measuring project performance within a new, erratic climate regime.
- The field of **data analytics** has incorporated satellite imaging and machine learning, allowing to **analyze** our planetary processes at a **global scale**, to monitor EbA measures at that scale, and make them **bankable**. Measurements and metrics have become tools for design.





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SCHOOL OF DESIGN
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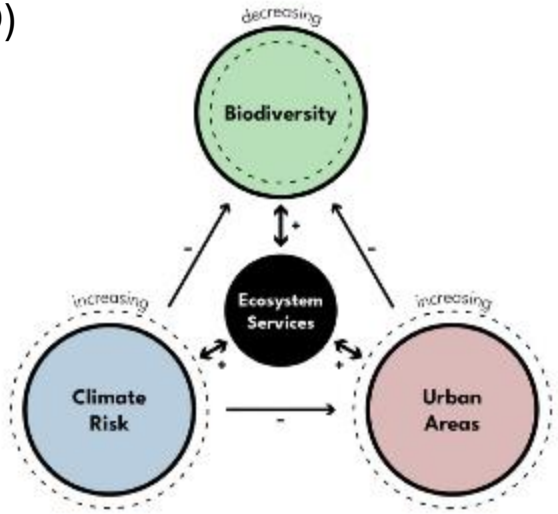
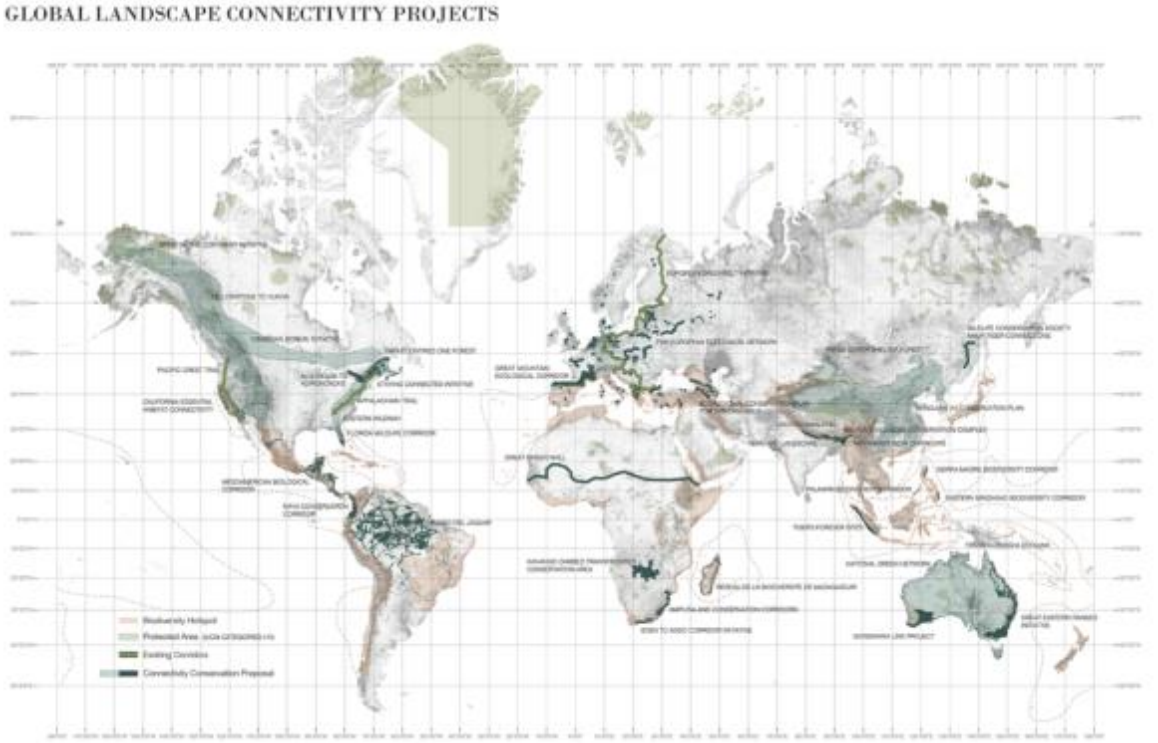
What we are doing:

Analysis/climate tech
- Hotspot Stoplight Project (funded by UN Habitat)

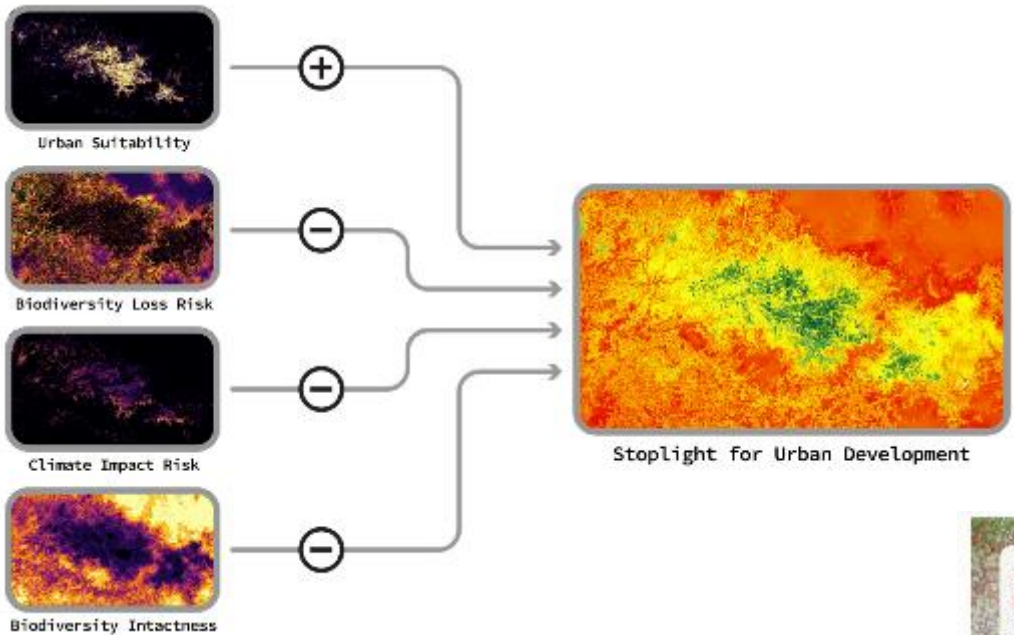
Research/advocacy
- Making Room for the Water (funded by DHS/NYS)
- Mega-eco Symposium and Alliance (with the McHarg Center, Penn Global, Penn Environmental Innovations, Biohabitats, Landscape Architecture Foundation)

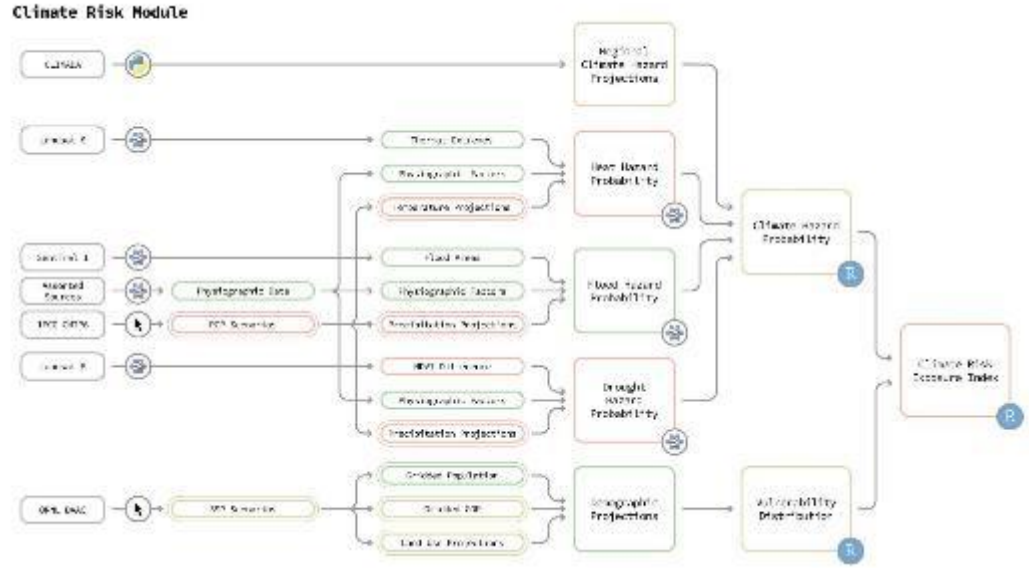
Design research
- Dakar Greenbelt (funded by UN DEP)
- Rainproof New York Studio/Mega Eco (with NYBG/RBD)

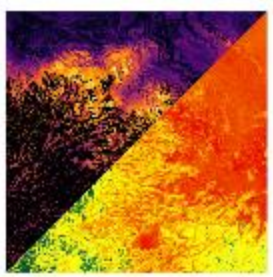


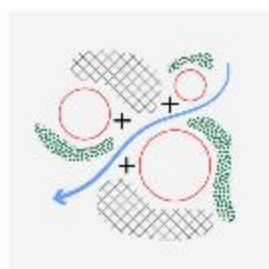


Hotspot Stoplight









Modeling & Analysis

Generate geospatial data on future hazard probabilities. Develop predictive modeling and calculate climate risk, biodiversity risk, and urban suitability indices.

Ground-Truthing

Conduct interviews with local officials & experts and travel to zones of highest risk to understand where the findings of the tool may not reflect local dynamics.

Design Ideation

Develop high-level design recommendations using local regional planning insights combined with the findings of the modeling & analysis.