Your Performative Landscapes:

Building a City-Specific Landscape Management Plan

Presentation outline:

- Current Efforts in Quantifying Landscape Value
- Challenges and Concerns
- Lesson learned and recommendations



Chih-Wei G.V. Chang

Director at GravityPraxis

Institute of Geography, University of Cologne
Former Co-chair at ASLA International PPN

Lecturer at Beijing Urban Innovation Center















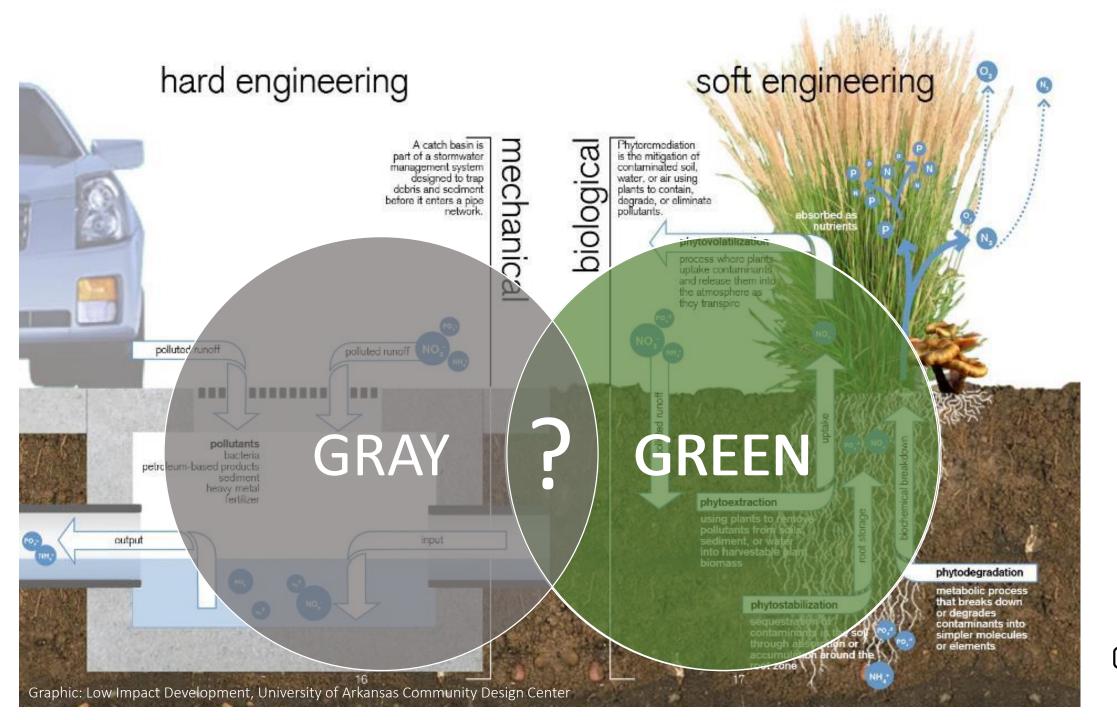




WHY LANDSCAPE PERFORMANCE?

- Urban Landscape is the Building Block of NbS, GI, and Urban Resiliency
- GRAY or GREEN? The Endless Debate
- Evidence-based Policy, Planning, Design, Construction, and Management











MAJOR EFFORTS:

- American Society of Landscape Architects (ASLA): Resilient Design
- Landscape Architecture Foundation (LAF): Landscape Performance Series
- US Green Building Council: Sustainable Site Initiatives (SITES)



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https://www.asla.org/resilientdesign.aspx

Professional Practice

RESILIENT DESIGN



Find solutions for:

Biodiversity Loss

Drought

Extreme Heat

Fire

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Landslides





Case Study Briefs

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Benefits Toolkit

Collections

Browse and Search hundreds of Landscape Performance Series Resources >

About Landscape Performance Blog **Training Guide to Evaluate Performance Resources for Educators** Contact

https://www.landscapeperformance.org/

The Landscape Performance Series is the online set of resources to help designers, agencies, and advocates evaluate performance, show value and make the case for sustainable landscape solutions.



Uptown Normal Circle







Revitalization >



Social Equity >



Doc Cavalliere Park

Cherry Creek North

Water Management >

Health & Wellbeing >









Teardrop Park





Advance your knowledge of sustainable landscapes.

A free webinar series by SITES provides more information about sustainable landscape design and development and why they matter, and tips to SITES certification:



Introduction to the SITES program



Understanding the SITES Rating System



Getting Started with the SITES Program

Review our free SITES Rating System and scorecard that provides you with a complete set of prerequisites and credits used for measuring site sustainability.

http://www.sustainablesites.org/

SITE SELECTION

ASSESSMENT

WATER

SOIL VEGETATION

MATERIAL

HEALTH

CONSTRUCTION

MAINTENANCE

MONITORING





What are the Challenges?

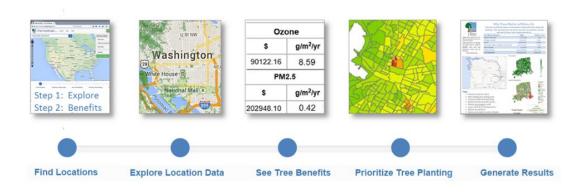
- Regional Differences with Non-Standard Conditions / Materials
- Dollar-value Viewpoints of Utilizing Eco-system Services
- Selection Bias: Who to Set the Goals? for Whom? Expectation Management

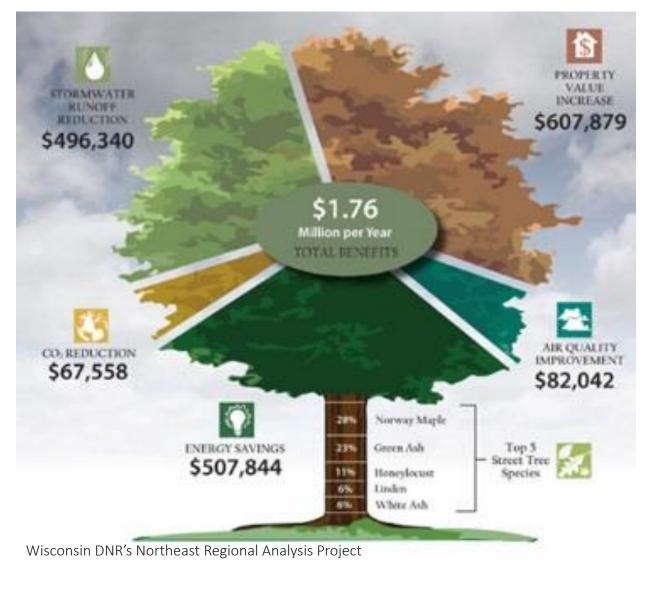




















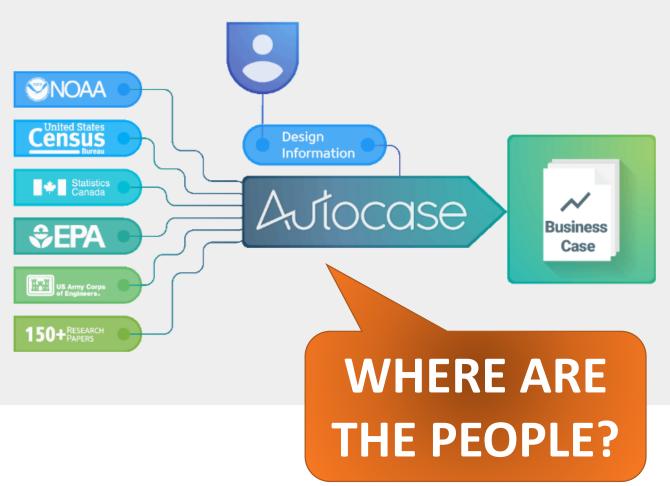












Automating the business case with Triple Bottom Line Cost Benefit Analysis (TBL-CBA)

Using economic analysis, Autocase combines project specifications with industry-validated data to measure the value of net financial, social and environmental impacts affecting all stakeholders.

READ MORE ON TBL-CBA

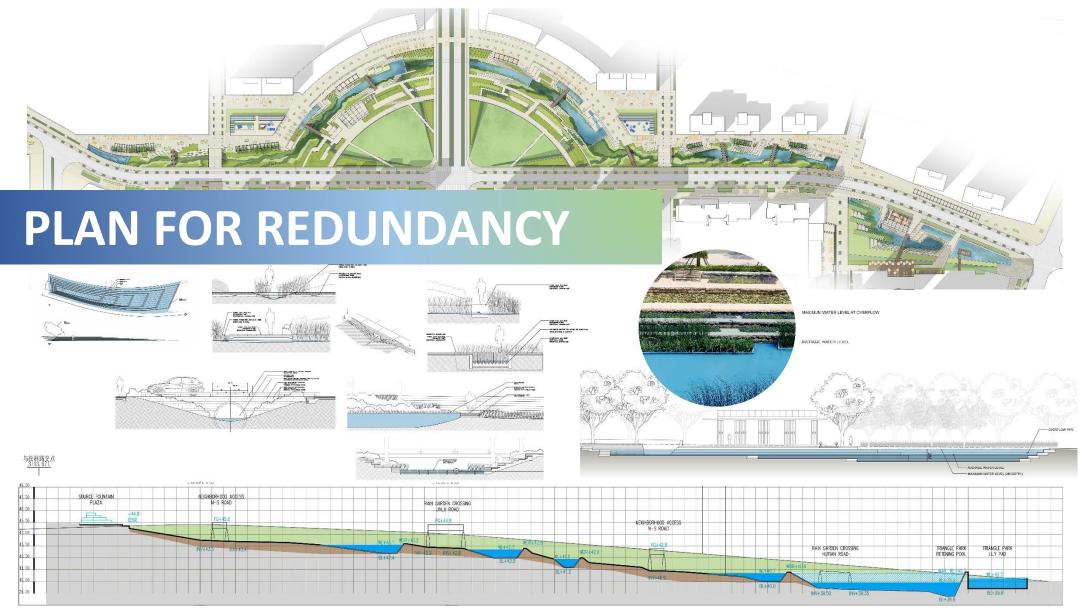




Some Suggestions

- Design Redundancy for Risk Reduction / Design for Bio-diversity
- Co-creation process: Invest in pilot projects
- Post Occupancy Analysis and Feedback Loop
- Create a custom metric for your city, collaboratively (SF + NY)
- Smart Policy: Enabling and Allowing Room for Innovation











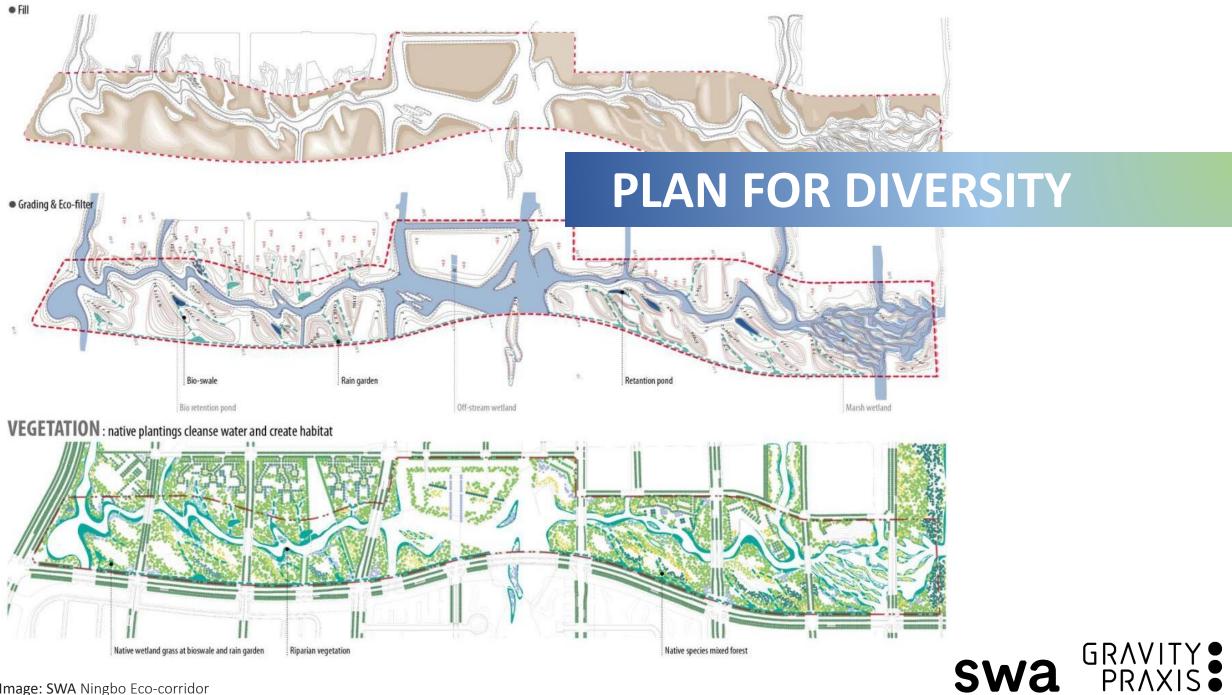
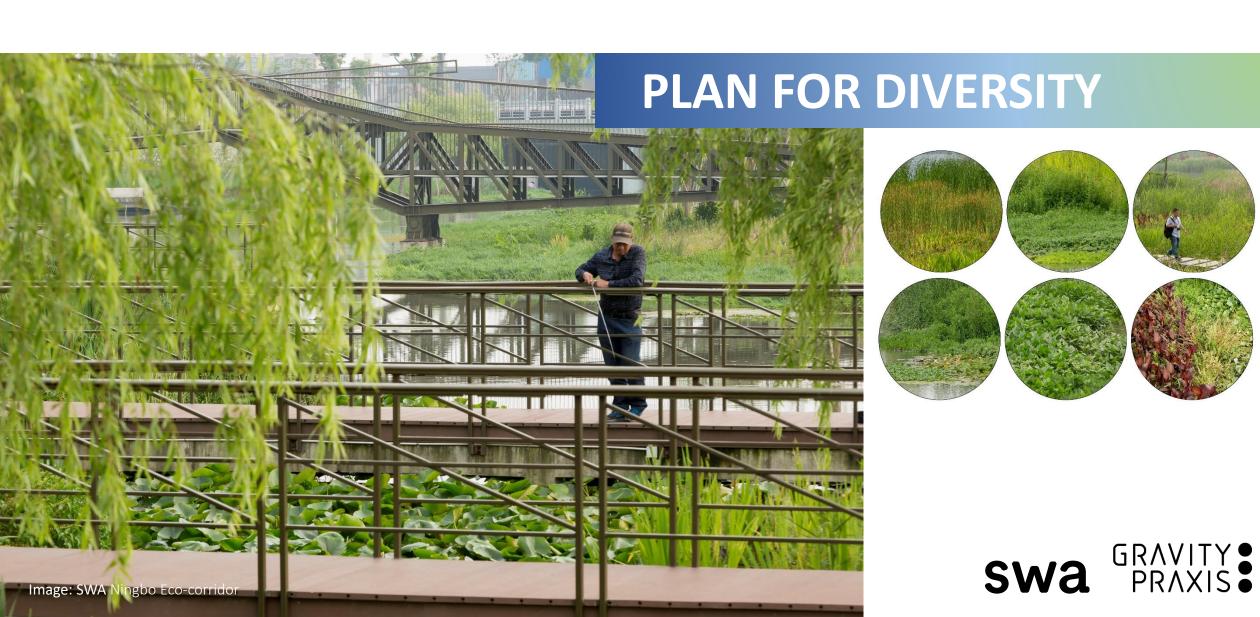
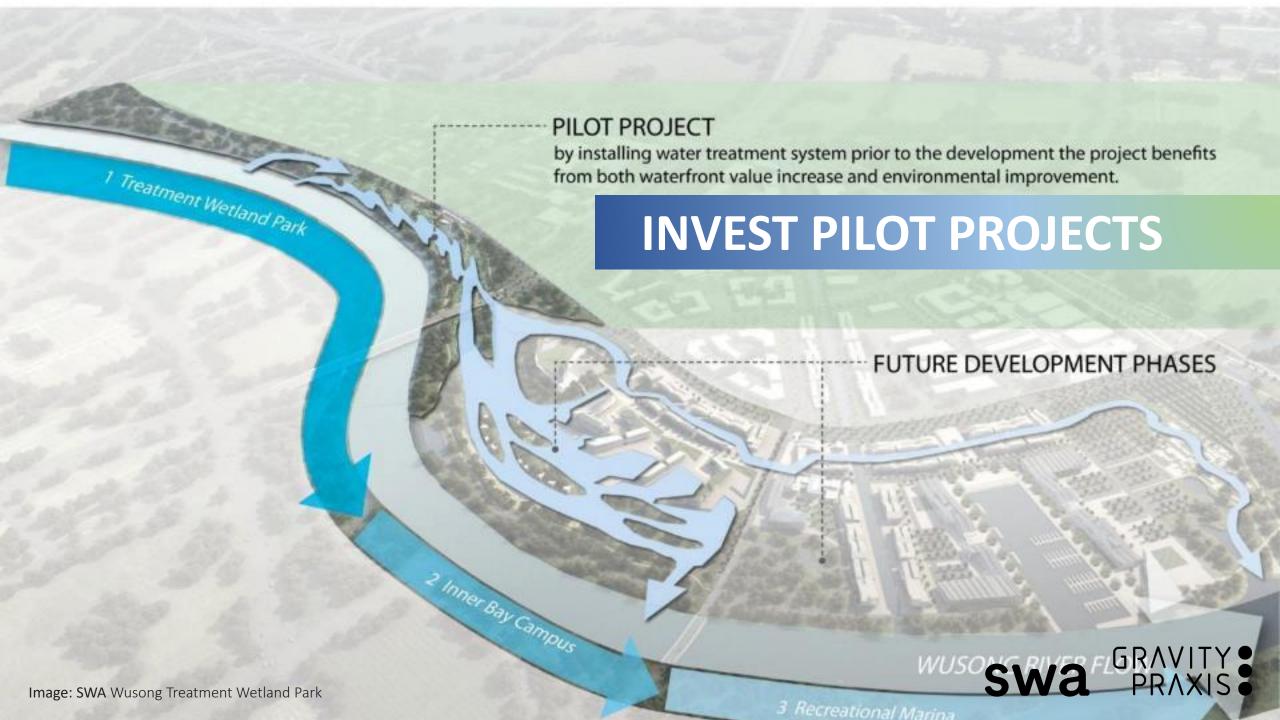


Image: SWA Ningbo Eco-corridor





























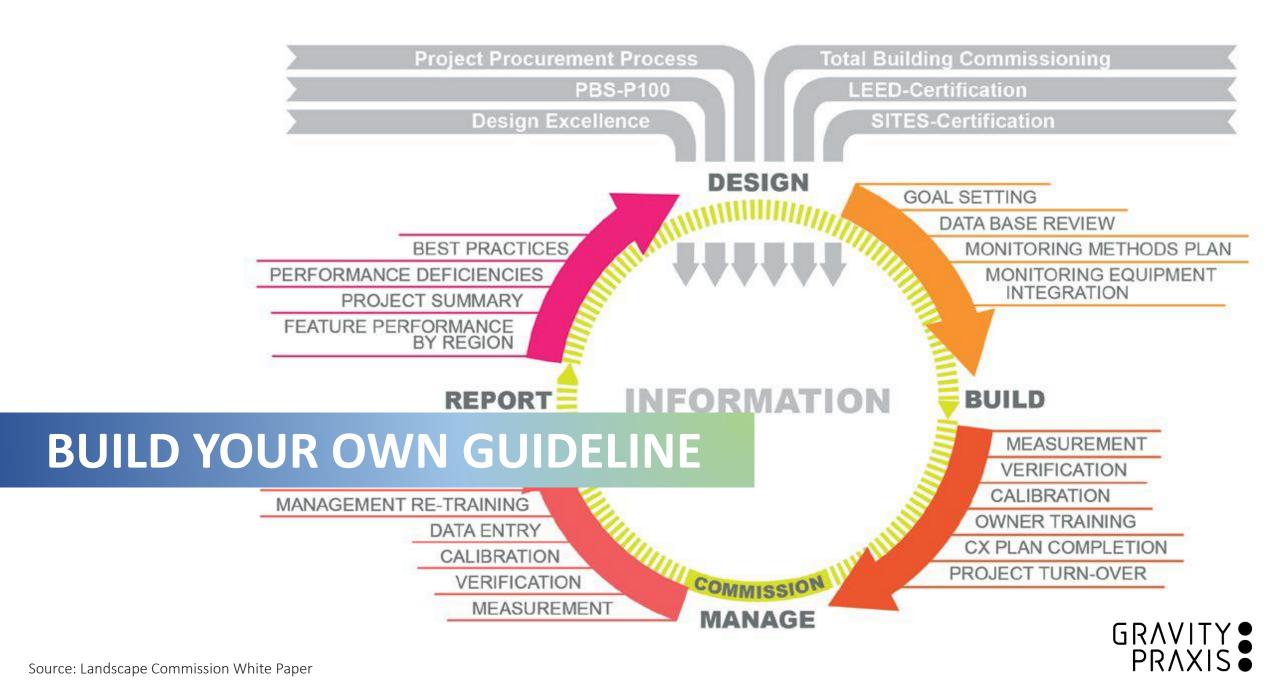














BUILD YOUR OWN GUIDELINE North Shore San Francisco Pacific Ocean North Shore San Mateo Bay Richmond FULTON ST San Francisco Bay Channel CLARENDON AVE Sunset Sunset Islais Creek Yosemite Lake Merced Sunnydale San Mateo LEGEND ----Watershed Boundaries ----Priority Locations for Combined Sewage Management Projects Channel Tunnel Western Alignment Projects Channel Tunnel Eastern Alignment Priority Locations for Streetscape Projects Scale: 1 inch = 5,000 feet Priority Locations for Creek Daylighting Projects Priority Locations for Parcel Projects



BUILD YOUR OWN GUIDELINE





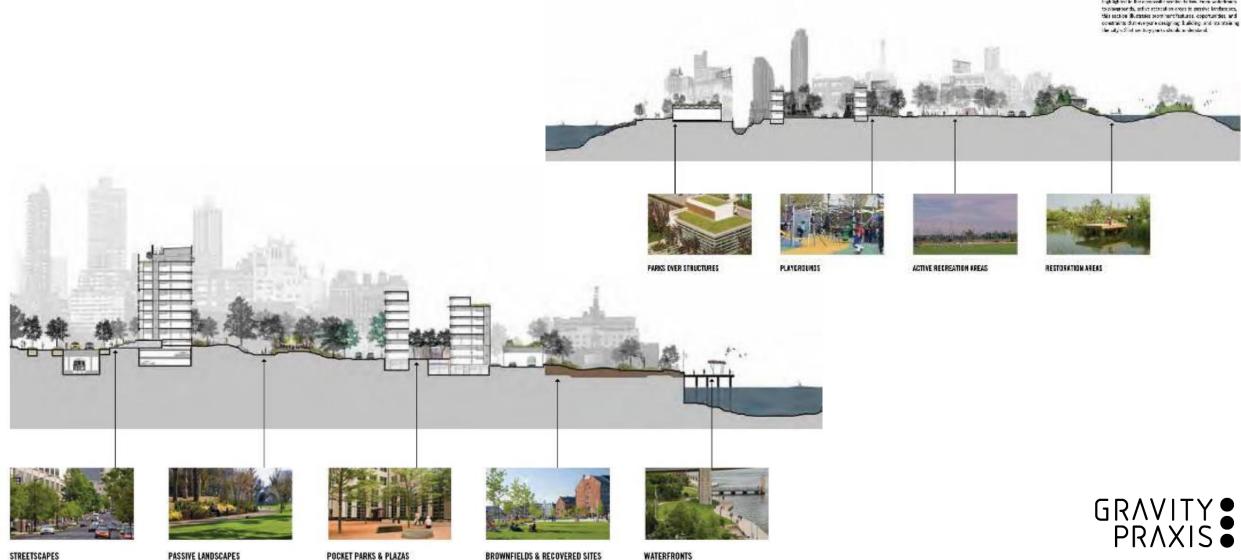




BUILD YOUR OWN GUIDELINE

COMPOSITE SECTION SITE TYPES FOR NYC PARKS

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References & Links



Sustainable Site Initiative:

www.sustainablesites.org

LAF: Landscape Performance Series

www.landscapeperformance.org

Landscape Architecture Technical Information Series

https://my.asla.org/My-

ASLA/Store/StoreLayouts/Shop-LATIS.aspx

University of Arkansas Community Design Center

http://uacdc.uark.edu/

AutoCasehttps://autocase.com/

I-Tree https://www.itreetools.org/#benefits

ASLA Resilient Design

https://www.asla.org/resilientdesign.aspx

ASLA Smart Policy for a Changing Climate

https://www.asla.org/climatepolicies.aspx

SF PUC Urban Watershed

https://www.sfwater.org/index.aspx?page=6
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NY High Performance Landscape Guideline

https://www.nycgovparks.org/greening/sustainable-parks/landscape-guidelines

SWA Group

www.swagroup.com

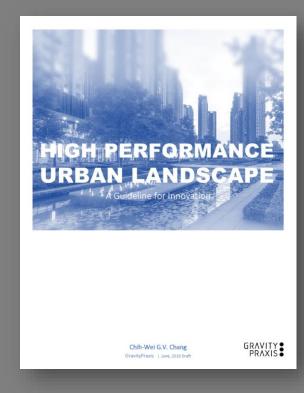
GravityPraxis

www.gravitypraxis.com



THANK YOU FOR YOUR ATTENTION!





Draft available for comments!
GravityPraxis.com/performance
GravityChang@gmail.com

Chih-Wei G.V. Chang

