

A photograph of a building's facade covered in a dense, multi-story living wall of green plants, with several windows visible. The image is used as a background for the event information.

# Nature-Positive and Net Zero Nature Based Solutions for Real Estate

**CHRISTOPHER ALLEN | NICOLE MILLER | LAUREN WINKLER | THIERRY LAQUITAINE**

ULI GREENPRINT | JACOBS | BIOMIMICRY 3.8 | GREEN CITIES COMPANY | AEW

**NOVEMBER 16, 2022**

# Today's Speakers



**Christopher Allen, Jacobs**

Director of Foreseeable™  
Net Zero + Nature Positive

*Moderator*



**Nicole Miller, Biomimicry  
3.8**

Managing Director

*Speaker*



**Lauren Winkler, Green  
Cities Company**

Senior Director, ESG

*Speaker*



**Thierry Laquitaine, AEW**

Director and Head of SRI

*Speaker*



# Today's Agenda and Housekeeping

1. Overview of Nature Positive and Net Zero
2. Deep Dive on Biomimicry's Nature Positive process
3. Nature Positive at the Asset Level: Green Cities Company
4. Nature Positive at the Portfolio Level: AEW
5. Discussion and Q&A

## Housekeeping:

- This presentation will be recorded and distributed
- Please submit questions through the Q&A feature, and upvote the questions you want to see asked!

# Nature Positive Overview | WHY

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Economic value or half of global GDP is dependent on nature



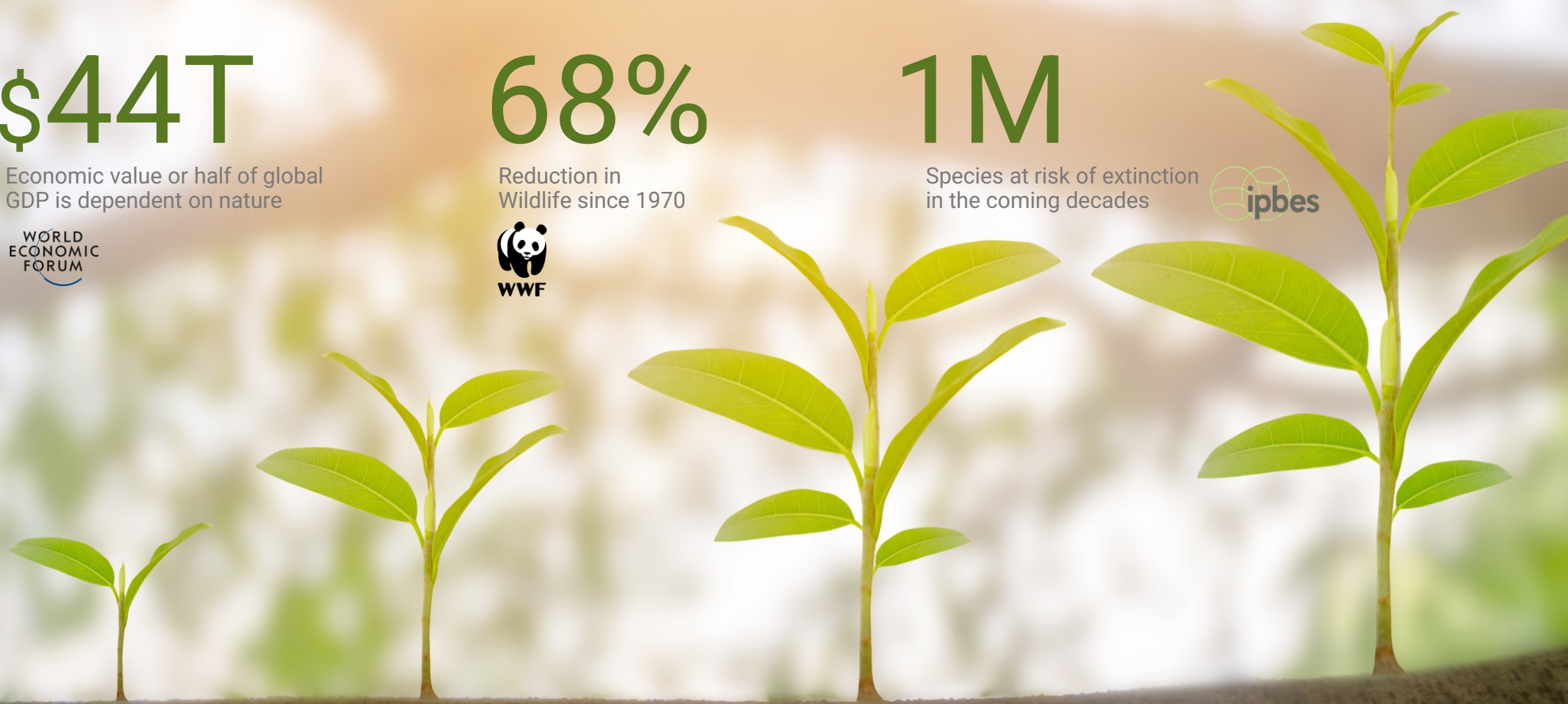
68%

Reduction in Wildlife since 1970



1M

Species at risk of extinction in the coming decades



“We need to look at climate, biodiversity, and land degradation as a threefold crisis. We can’t look at them separately because the solutions are also connected.” — Elizabeth Maruma Mrema, Exec. Secretary U.N. ,Co-Chair TNFD

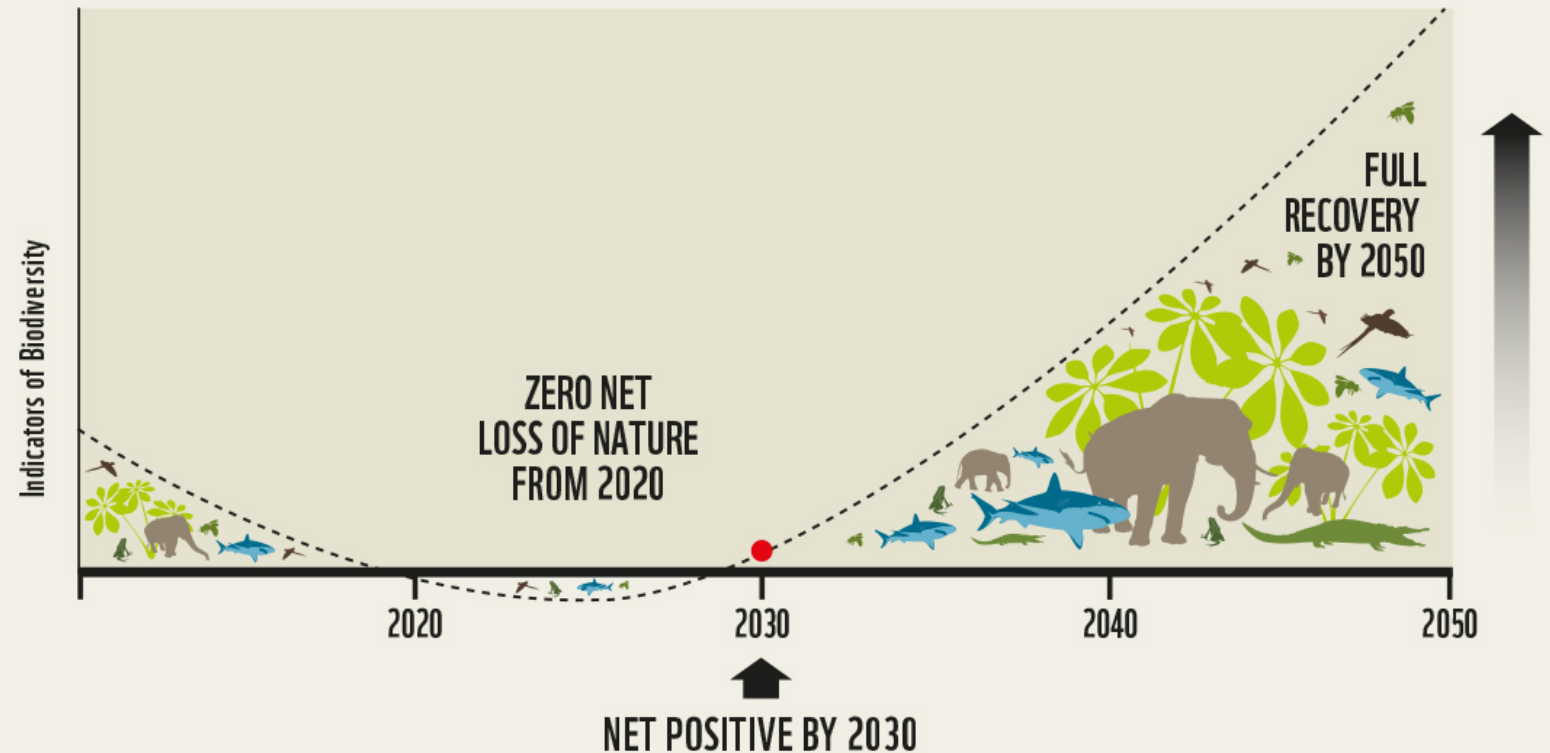
# Nature Positive Overview | WHAT

**Nature Positive means reversing the loss and restoring nature and biodiversity in the built environment/real estate.**

Real Estates Role in biodiversity loss:

- Change in land use
- Unsustainable sourcing of building materials
- Contributions to climate change

## Global Goal for Nature



# Nature Positive Overview | HOW

Multi-scale, systems-level approach



## Portfolio-Level

- Identify co-benefits and design holistically
- Select metrics for measuring biodiversity risk
- Use green building certifications
- Build partnerships



## Building-Level

- Start Early
- Minimize building footprint and site impacts
- Protect or restore site connectivity
- Create native and pollinator-friendly landscapes
- Use green infrastructure
- Practice water conservation
- Include bird-safe design
- Integrate biophilic design
- Adjust property maintenance



## Material Selection

- Set standards for material procurement
- Supporting the circular economy



## Off-Site

- Biodiversity in renewable energy procurement
- Biodiversity offsets and credits

# Nature Positive Overview | Business Case

Boost

Property Value

Enhance

climate response


Support

Net Zero Goals

Builds

Health & Wellness





**NATURE POSITIVE AND  
NET ZERO: THE ECOLOGY  
OF REAL ESTATE**

 **Urban Land  
Institute**



[knowledge.uli.org/  
naturepositive](https://knowledge.uli.org/naturepositive)





## BIOMIMICRY 3.8

is the global leader in nature-inspired innovation services and biomimicry training for professionals.



Microsoft

Jacobs

seventh  
generation™



natura

Google

bnim



Interface®

Logoplaste

P&G



KOHLER®

Since 1998,  
we've worked  
with 150+ clients

Whether it's creating a green replacement for polyurethane or a factory that functions like a forest, we have collaborated with innovation teams and individuals at companies in over 25 industries to help them achieve competitive advantages through biomimicry.

We look to



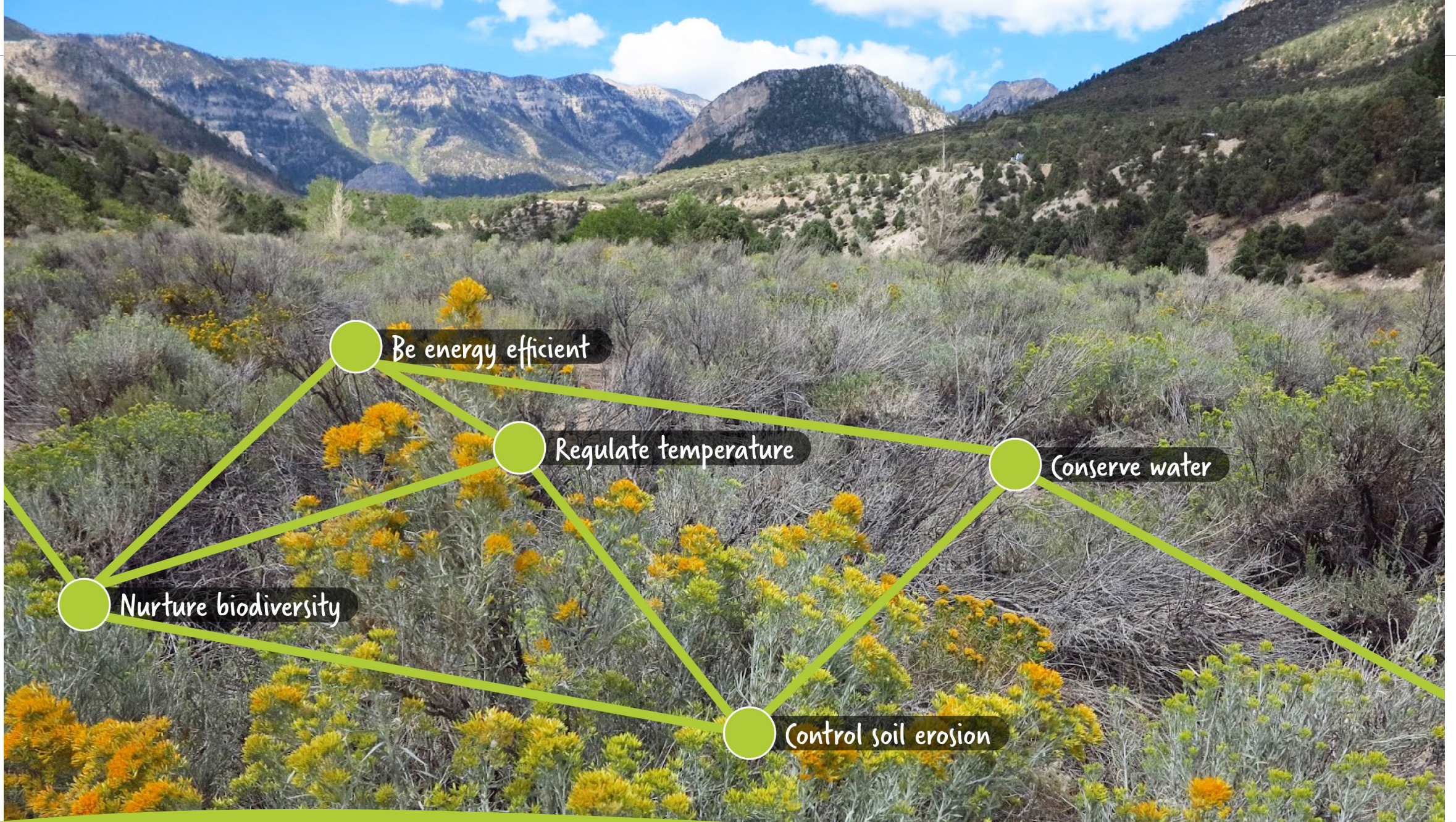
## Nature as model, measure, and mentor

Biomimicry is a new way of viewing and valuing nature, based not on what we can extract from the natural world, but on what we can learn from it.





**WHAT IS  
POSITIVE  
PERFORMANCE?**



Be energy efficient

Regulate temperature

Conserve water

Nurture biodiversity

Control soil erosion

ECOSYSTEMS ARE GENEROUS



Be energy efficient

Regulate temperature

Conserve water

Nurture biodiversity

Control soil erosion

FACILITIES AND COMMUNITIES CAN BE TOO

# BENCHMARK ECOSYSTEM METRICS



1



## IDENTIFY

local context and conditions of place and/or site

2



## QUANTIFY

baseline performance and targets based on local reference ecosystems

# DESIGN GENEROUSLY NATURE'S GUIDANCE



3



## CREATE

design guidelines and strategies to emulate ecosystem performance metrics

4



## IMPLEMENT

strategies to move toward positive performance



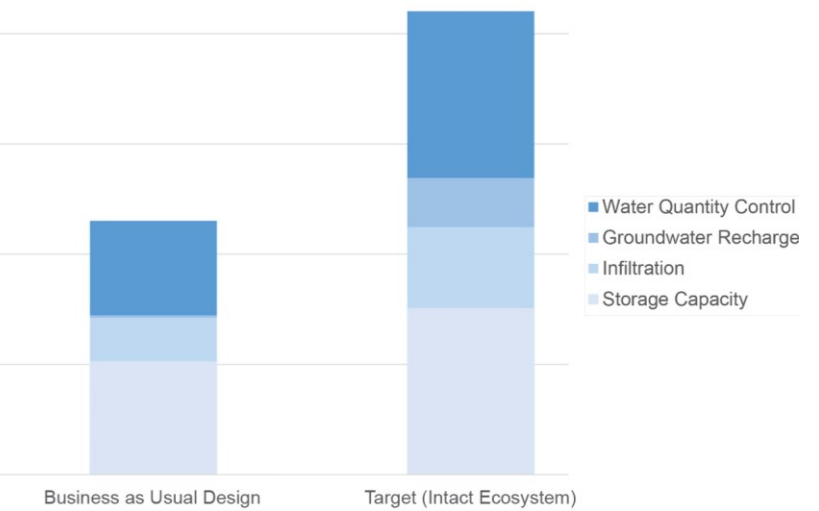
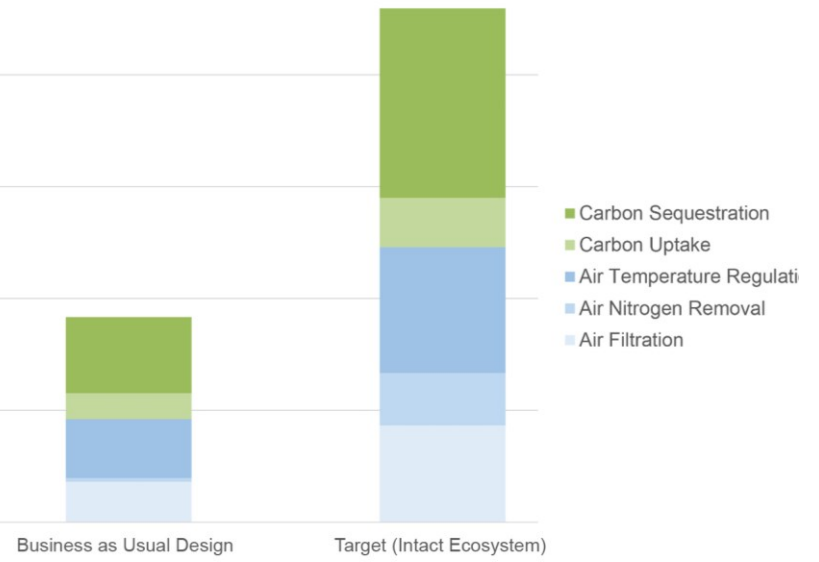
POSITIVE PERFORMANCE

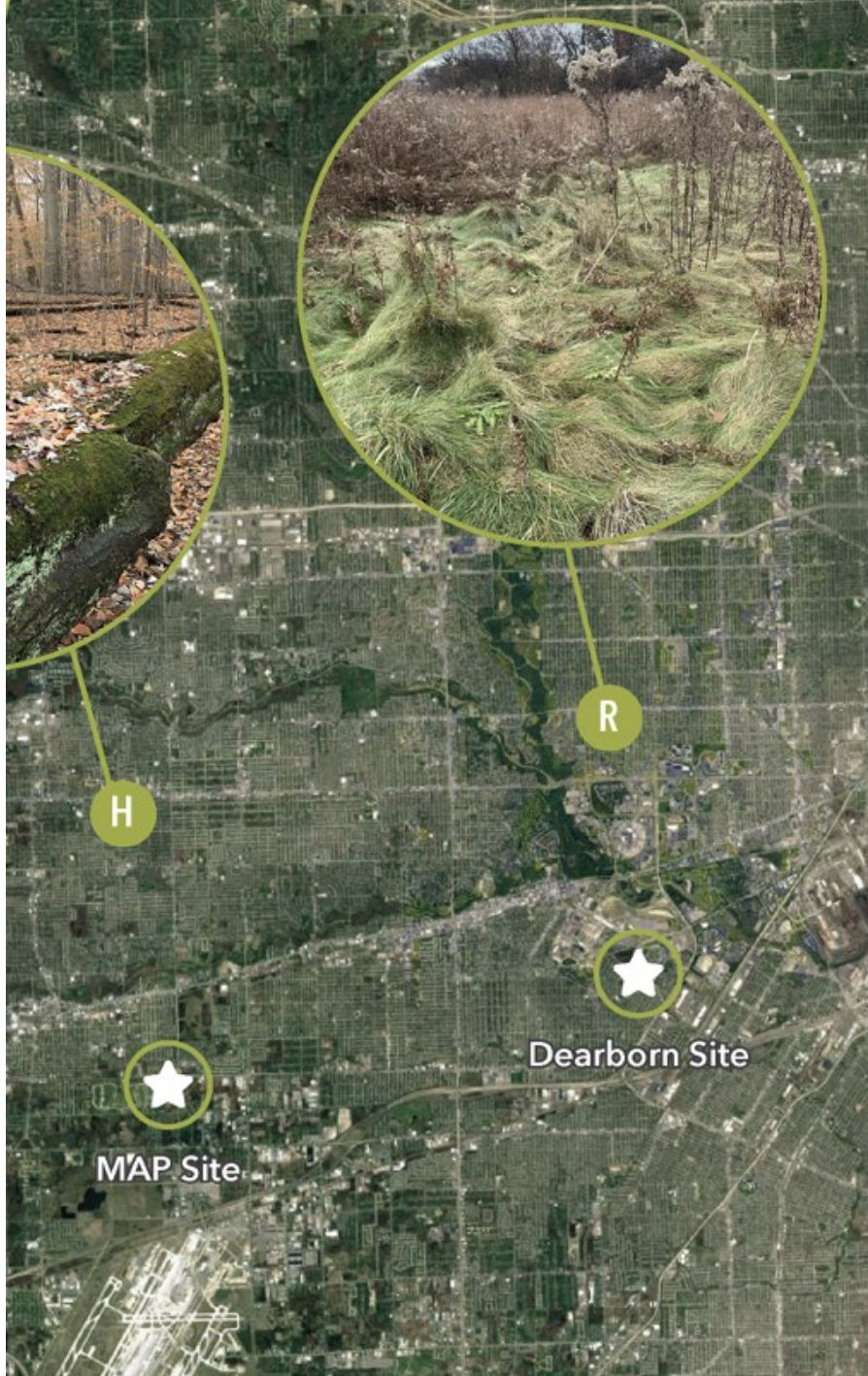
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**MICROSOFT**





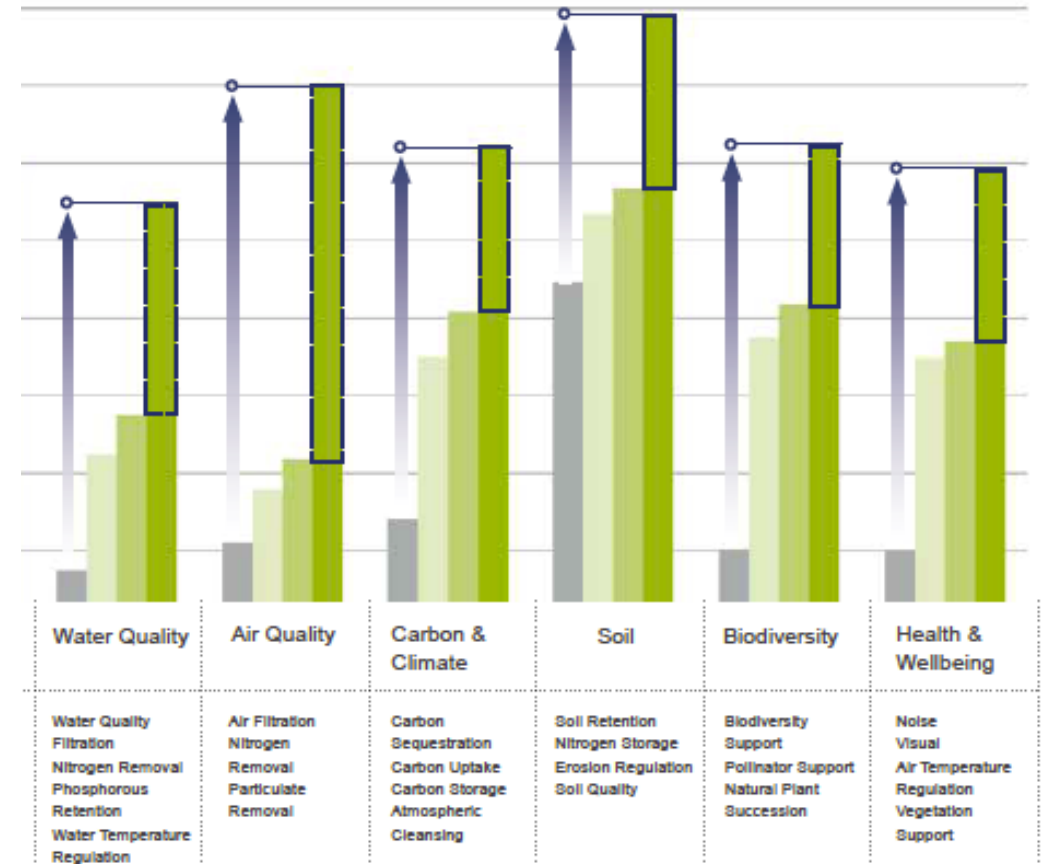
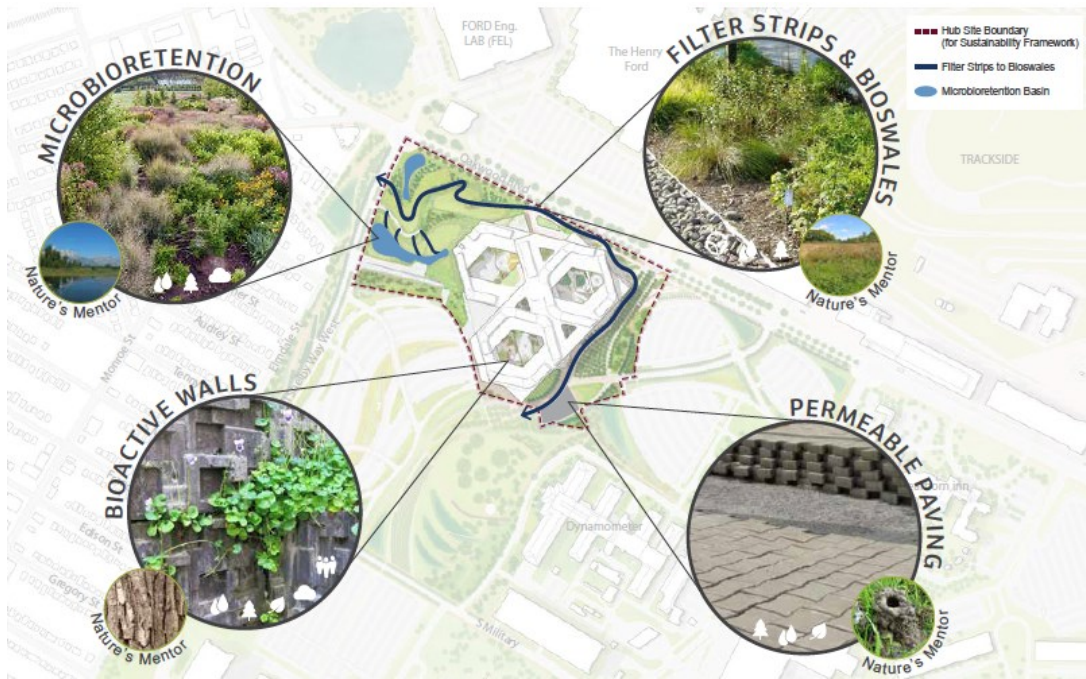




POSITIVE PERFORMANCE

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**FORD MOTOR CO.**





In 2019, Biomimicry 3.8 launched Project Positive to demonstrate companies can drive innovation, support climate goals, engage employees and local communities, using a programmatic, science based, data driven approach inspired by nature to become Regenerative.

Project Positive is a collaborative of change agents dedicated to:



Accelerating success through collaboration and storytelling of the journey



Raising the bar on what acting sustainably means



Demonstrating action toward regenerative through the application of Positive Performance



Google

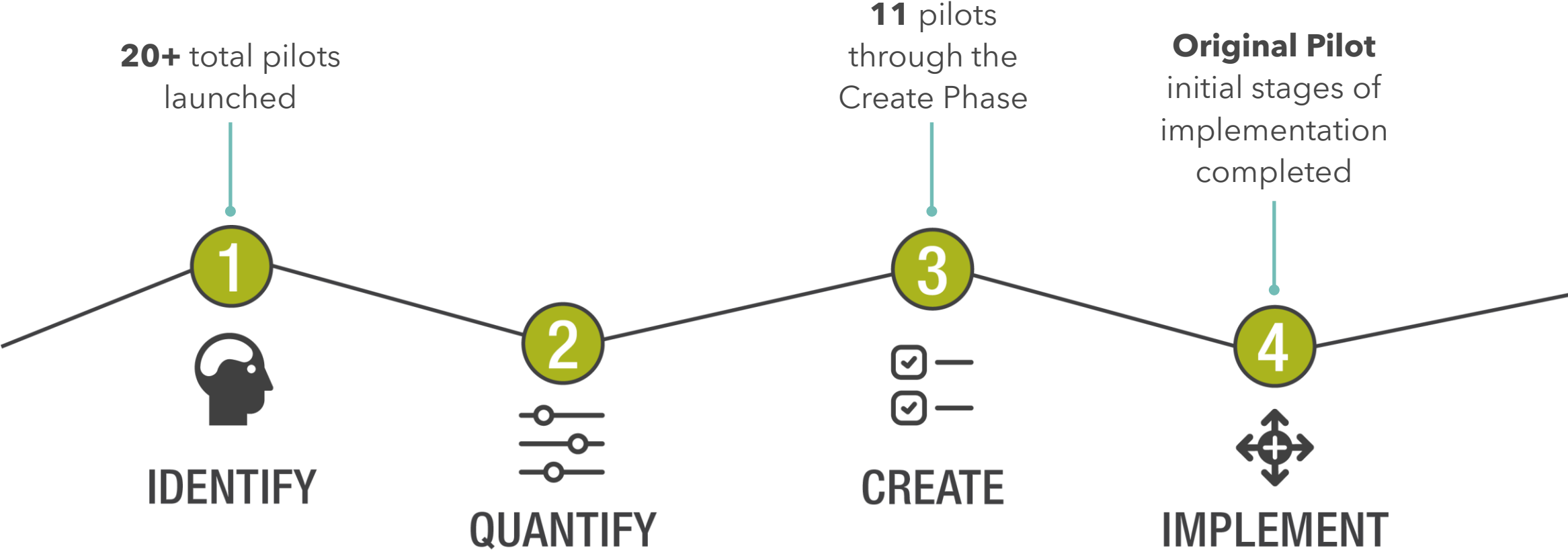
Interface®

KOHLER

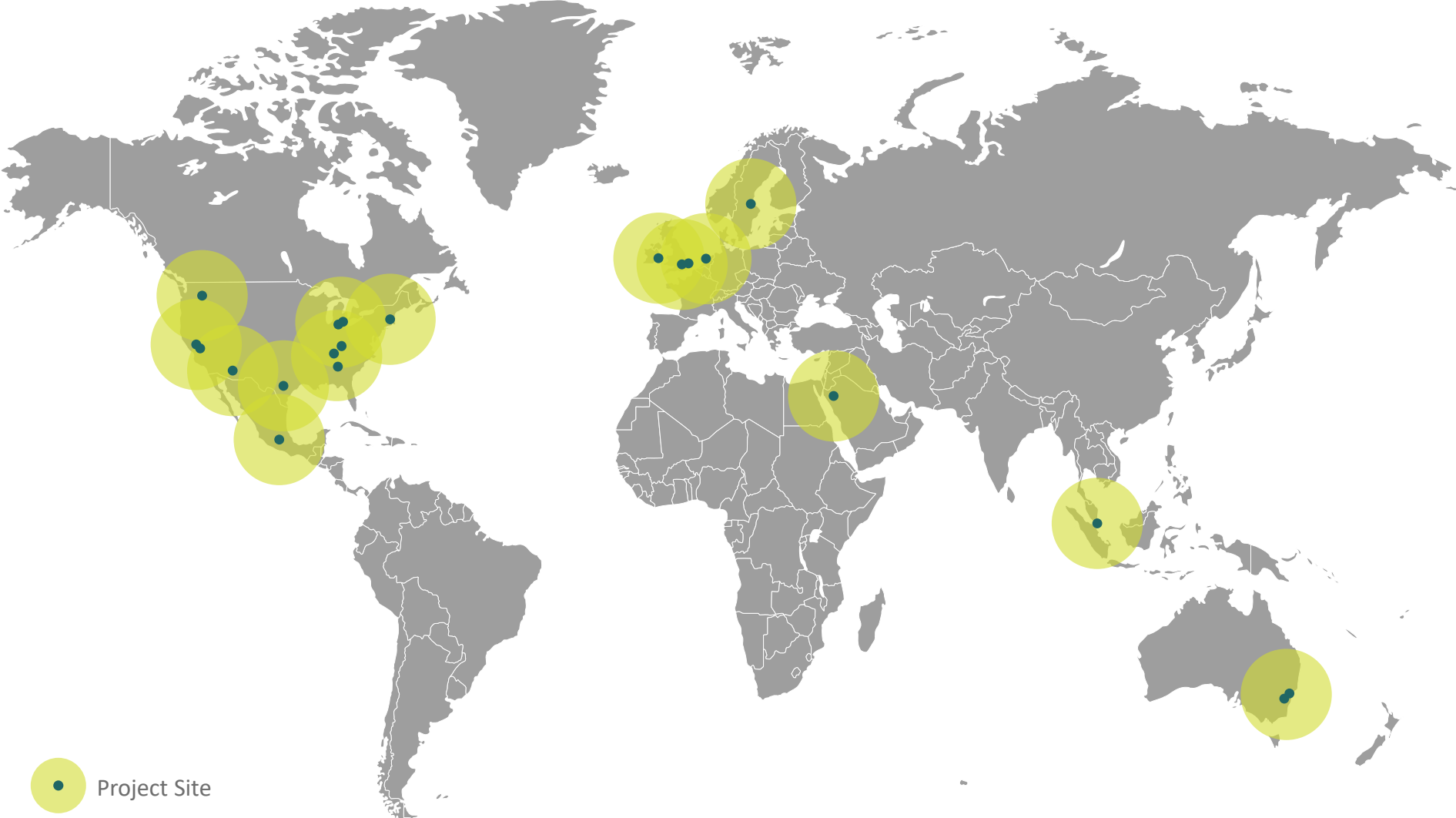
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Microsoft

# Current Projects | Demonstrating What's Possible



# Global Reach | Data Point Across Different Land Types







# Optimizing Impact | Site Selection Opportunity



16/11/22

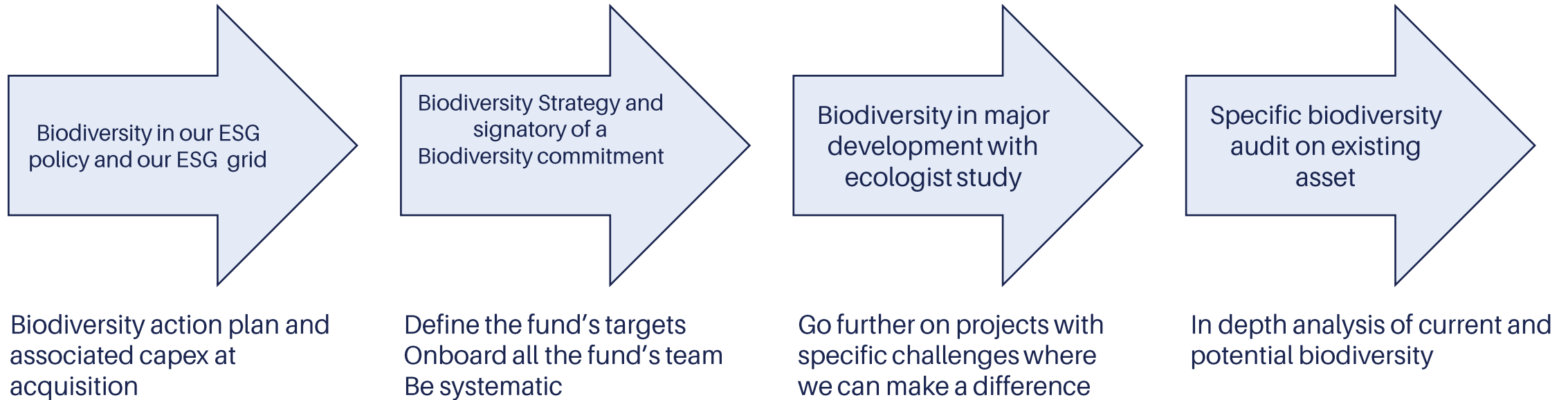
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# BIODIVERSITY

NA | EU | AP

## BIODIVERSITY

# TOOLS and GOVERNANCE



## BIODIVERSITY

# EXAMPLE OF ACTIONS

- Innov 2019 global innovative project on sustainability with biodiversity thematic
- Creation of green spaces on roofs
- Development of green spaces with equipment to welcome biodiversity
- Management of existing green spaces to create area of services for occupiers tea plant production, picnic area, petanque...
- Incorporation in our gardening company contract of ecological clauses to avoid the usage of phytosanitary products
- Creation of urban forest for logistic asset with 2500 trees on 500m<sup>2</sup>
- Sustainable management of rain water 100% on site, modification of parking surface for water infiltration
- Usage of biodiversity to reduce urban heat island in our climate risk adaptation plans
- Studies to create productive biodiversity sites with saffron

# Q&A

**Christopher Allen**  
**Nicole Miller**  
**Lauren Winkler**  
**Thierry Laquitaine**

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