

# From Drops to Diversity: Accounting for Biodiversity Benefits in Corporate Water Stewardship

Side Event at Stockholm World Water Week 2025  
August 26, 2025





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# SESSION CONVENERS



**Laura Weintraub**

Vice President  
Water Stewardship Lead



**Gregg Brill**

Associate Director, Accounting  
for Nature Program



**Naabia Ofosu-Amaah**

Senior Corporate Engagement  
Advisor, Water & Resilience





# AGENDA

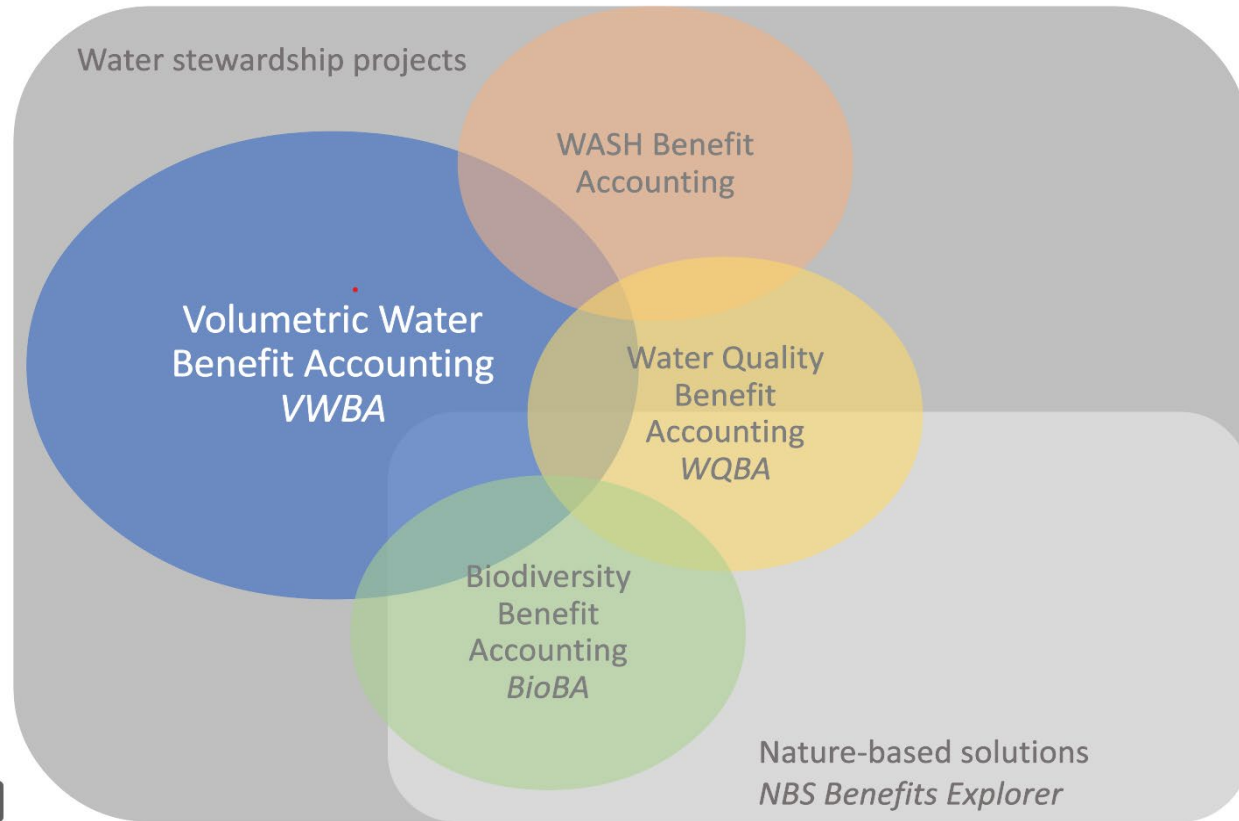
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- Overview of BioBA
- Audience Engagement
- Panel Discussion
- Audience Q&A
- Closing



# Why Biodiversity Benefit Accounting (BioBA)?

- As corporations embrace water stewardship, there are opportunities to **recognize multi-benefits** and synergize water and biodiversity efforts
- Water and biodiversity are closely linked, but little guidance currently exists for **how corporations should account for biodiversity-related benefits** of their water stewardship projects.
- BioBA responds to the growing need for **credible and transparent quantification** of the biodiversity benefits
- BioBA **aligns** with broader global biodiversity accounting initiatives (NPI, Align Project) and complements previously developed quantification guidance (VWBA, WQBA, NBS Benefits Explorer)





# Biodiversity Benefit Accounting (BIOBA)

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- Guidance for corporate water stewardship practitioners to evaluate the **terrestrial and aquatic biodiversity multi-benefits** associated with water-related projects



<https://ceowatermandate.org/biodiversity>

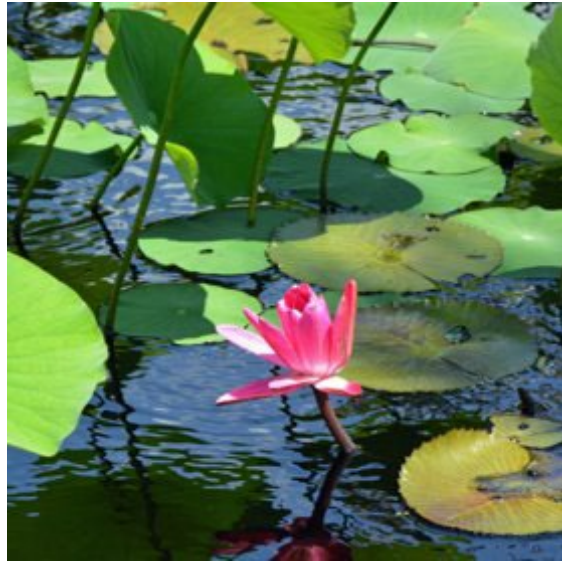
## Corporate Sponsors



Expert Advisory Group: NGOs, academia, public sector agencies, and research organizations







## PRIMARY OBJECTIVES OF BIOBA

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- Provide businesses and project partners investing in corporate water stewardship (CWS) with clear guidance on how to:
  - **Incorporate biodiversity objectives** into CWS strategies and projects
  - **Select appropriate methods and metrics** with which to evaluate the biodiversity benefits of CWS projects
  - **Communicate the biodiversity benefits** of CWS project implementation in scientifically defensible language for internal and/or public communications



# BioBA Impact Pathway for Water Stewardship Activities

Shared  
Water and  
Biodiversity  
Challenge



**INPUTS**

**ACTIVITIES**

**OUTPUTS**

**OUTCOMES**

**IMPACTS**

**Define biodiversity objectives**

Define pre-project baseline conditions

**Investment in water stewardship**

**Water stewardship activity with biodiversity-related interventions**

Tangible changes in the conditions presumed favorable for biodiversity directly related to project implementation

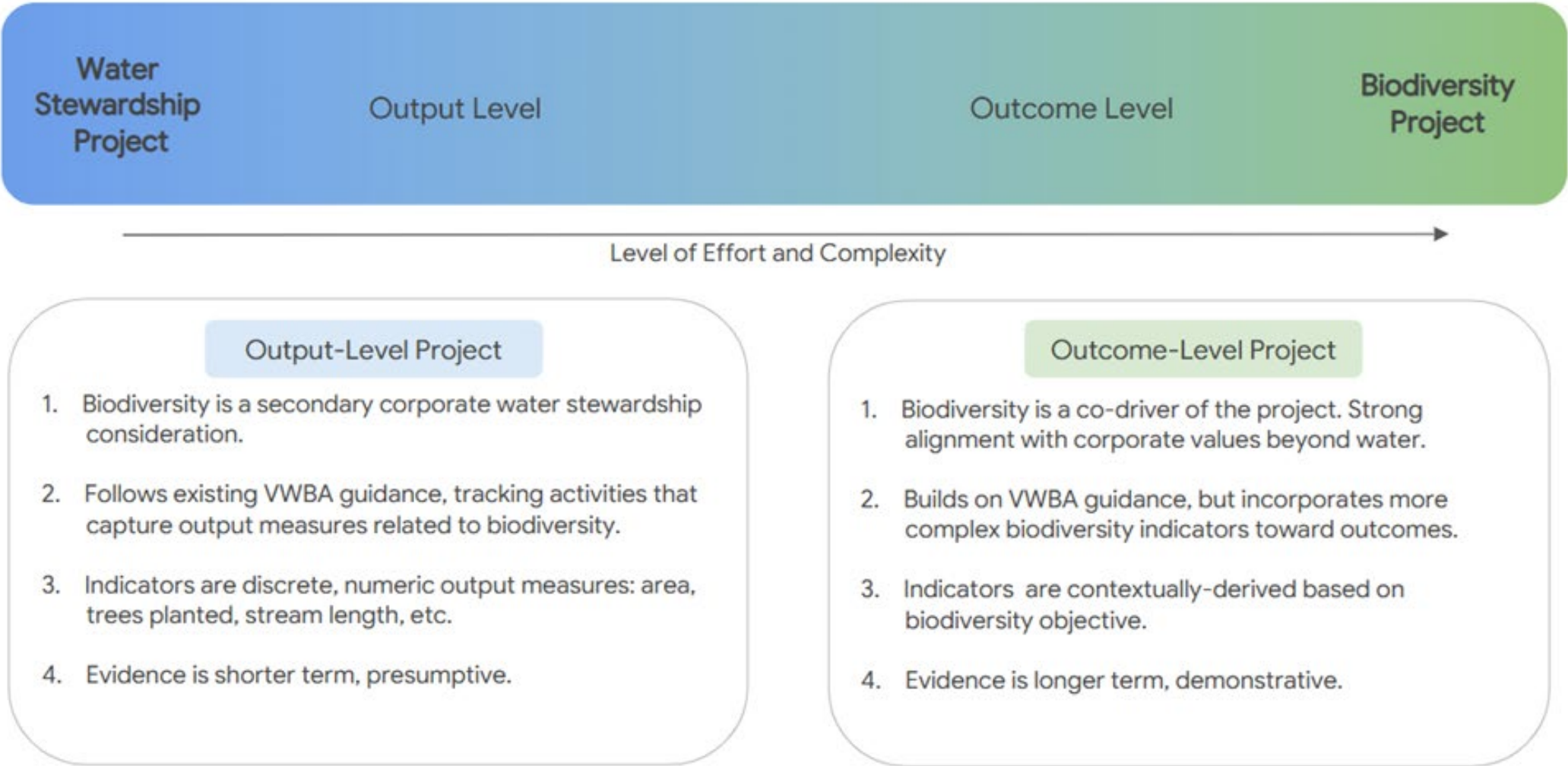
Explicitly characterized direct or indirect change in biodiversity indicators resulting from project implementation

Indirect benefits related to short or long-term environmental, social, and economic value creation

**Focus of BioBA Guidance**



# Entry Points for BioBA Application







## 7-STEP BioBA PROCESS

1

### IDENTIFY

Identify projects with potential biodiversity benefits

2

### DEFINE

Work with ecology experts and stakeholders to define biodiversity objectives

3

### PLAN

Develop a project plan aligned with the biodiversity objectives

4

### IMPLEMENT

Implement project activities and collect data

5

### QUANTIFY

Quantify outputs from activity implementation

6

### EVALUATE

Evaluate outcomes from activity implementation

7

### COMMUNICATE

Communicate biodiversity benefits





# Identify Project and Define Objectives

## Hypothetical Case Study – Wetland Restoration

- 8-acre wetland near Bay Area of CA
- Area was once part of the southern end of a ~1,000-acre seasonal wetland disrupted in 1916, currently under restoration
- Old culvert allows water to enter creek, regulates wetland extent
- Mix of riparian, woodland and wetland species, including invasive plants, debris, and trash

**Project Objectives:** Enhance and restore important habitats under threat

In **five years** achieve the following **outputs**:

- Increase permanently inundated wetland and depth of ponding to 3.5 ft. Remove 100% anthropogenic debris and invasive species. Plant 5 ac. of native wetland plants and 3,000 ft. of riparian shrubs. Install 4,000 ft of exclusionary fencing.

In **seven years** achieve the following **outcomes**:

- Increase extent of established, native plant species-dominated wetland ecosystem within the project site from 3 ac. to 7 ac.
- Improve wetland ecosystem condition: Increase plant height and density of native wetland vegetation, improve wetland plant species composition, increase function as effective habitat for Yellow-breasted Chats and Yellow Warblers.

1

### IDENTIFY

Identify projects with potential reportable biodiversity co-benefits

2

### DEFINE

Work with local ecology experts to define biodiversity objectives







# Develop Project Plan and Implement Activities

- Remove debris and trash
- Install fence to exclude livestock degrading wetland
- Modify existing culvert to increase depth and extent of ponding and saturation, expanding the wetland and areas providing high freshwater marsh functions and values.
- Expand wetted perimeter into areas dominated by nonnative invasive plants (stinkwort) that do not survive in saturated conditions
- Invasive plants removal

Weir gate installed as part of culvert upgrade – wetland area retains water after a storm [Dec. 2023]



*All smiles from volunteers after removing stinkwort*



*Volunteers working to remove stinkwort*



3

## DESIGN

Develop a project plan aligned with the biodiversity objectives

4

## IMPLEMENT

Implement project activities and collect data

*Site visit with biologists and hydrologists*



*Load 1 of 2 of old fence & wire taken to the dump*





# Estimate outputs from activity implementation

- Outputs are **tangible, direct changes associated with project implementation** that improve the conditions (quality or quantity) presumed to be favorable for biodiversity.
- Four potential output categories are relevant to CWS activities: length, area, count, and weight

Output	Example	Potential method for measurement
Count	Number of invasive plants/species removed; number of native trees planted; number of barriers removed	Direct count from humans in field; estimated count from photo quadrats.
Length	Wetted area created - 5 acres (20,234 m <sup>2</sup> ) of permanently wetted wetland.	Direct measurement using a measuring tape or measuring wheel; Indirect measurement using secondary or geospatial data
	Depth of inundation - 3 ft (0.9 m) of additional water depth created in the deepest sections of the wetland area.	
Area	Area treated or managed; area planted, seeded, or revegetated; area protected or conserved; area inundated	Direct measurement using a measuring tape or measuring wheel to calculate area using geometric formulas; Direct measurement by traversing project perimeter utilizing a GPS-enabled device to record project boundaries and estimate the project area
Weight	Weight of trash removed - 200 lbs (90.7 kg) of trash was removed	Direct weight using a calibrated scale, or weigh in separate loads and sum the total of each load
	Weight of invasive species removed	





# Evaluate biodiversity-related outcomes as appropriate

Outcome	Summary	Example of metric	Example methodology
Ecosystem extent	Spatial area or geographic boundaries wherein which an ecosystem exists.	Increase in the spatial extent (acreage) of established upland meadow pollinator habitat over time	Define ecosystem classification, select metric like land area, utilize GIS tools, ground-truth data (Guidance to provide more detail)
Ecosystem condition	State or health of an ecosystem, including its structure, function, and composition.	Increase in the canopy volume and structural complexity within forest habitat over time	Fragmentation indices
Species	The flora and fauna within a given ecosystem and their overall health and viability.	Increase in priority species abundance over timer	Species Threat Abatement and Restoration (STAR) metric



# Communicate biodiversity benefits

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- Communicating biodiversity benefits requires additional nuance and caution
- Key differences between claims and reporting
- How to communicate activities implemented and associated outputs and outcomes
- How to communicate outputs or outcomes over time

7

## COMMUNICATE

Communicate  
biodiversity  
benefits



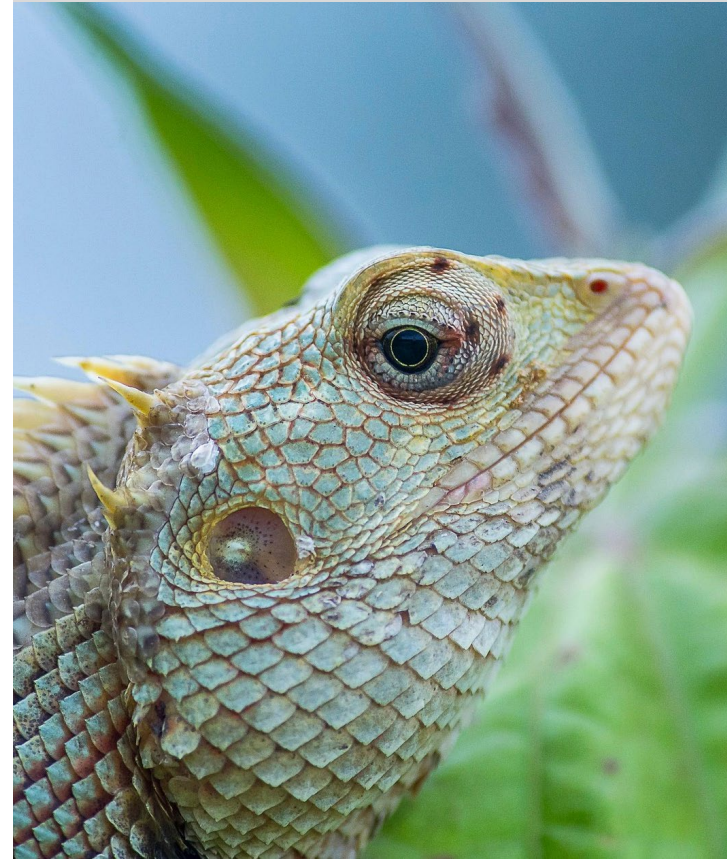




## VALUE ADD OF BIOBA

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- Guidance is applicable for both water stewardship and biodiversity projects – anticipate water stewardship as primary use case
- Provides 7-step methodology aligned with existing global guidance (e.g., NPI, Align)
- Unlike VWBA and WQBA, BioBA pushes to outcome level where applicable
- Illustrates application of methods through case studies
- Links to key resources for credible monitoring and reporting of biodiversity benefits







# Audience Participation

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# QUACK COUNT 1

*Where are you in your biodiversity journey?*



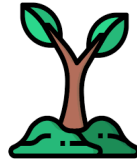
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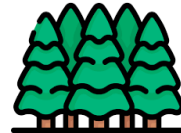
- **Seed:** Haven't started but willing to learn more – that's why I'm in this room



- **Seedling:** Just starting out and finding my feet



- **Sapling:** We have some momentum but looking to go even further



- **Forest:** We're pretty advanced in our biodiversity work and look forward to scaling

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## QUACK COUNT 2

- *What is your favourite biodiversity "beauty"?*



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Blobfish



Scrotum frog



Marabou stork



Elephant seal



# Panel Discussion



**Ben Wilinsky**  
Director of Partnerships  
and Innovation



**Lauren Maul**  
Director of Corporate  
Sustainability



**Paulina Concha Larrauri**  
Senior Program Manager,  
Water Positive



**Andre Fourie**  
Global VP: Sustainability







**QUESTIONS?**





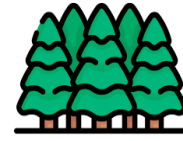
# QUACK COUNT 3

*Where are you planning on addressing biodiversity?*

*Where can you apply BioBA?*



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**Forests**



**Mangroves**



**Wetlands**



**Grasslands**



**Urban**



**Agricultural areas**



**Rivers, lakes or ponds**



**Other**



## LOOKING AHEAD



- Draft 1 revisions underway
- Pilot case study implementation
- Anticipated publication end of 2025



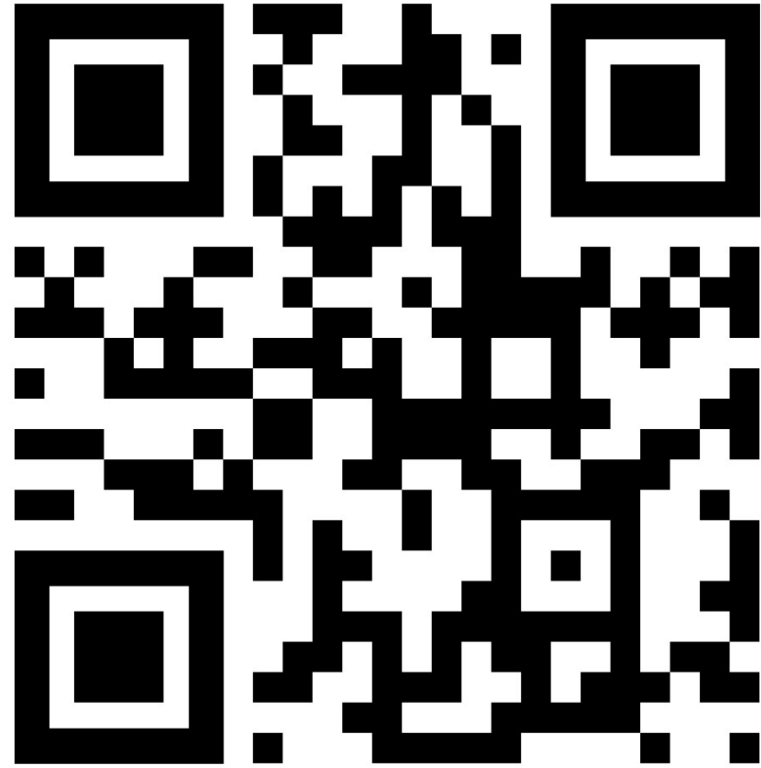


# Contact Us for More Information!



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