



WATERFRONT
ALLIANCE



Global Release of the Coastal Resilience Scorecard

BLUE SPARK SESSION

**TOMORROW.
BLUE ECONOMY**

WORLD CONGRESS

NOVEMBER 5TH, 2025

Contents

QUICK BACKGROUND

- The Partnership
- 10 Essentials
- WEDG Background
- Merger of Competencies

WHAT'S NEXT FOR SCORECARD USERS

- Evaluating Time and Space in their Cities
- Honing in on the Key Coastal Disaster Hazards (3 Types) with Scenario Tools
- Phase 2 begins for us - Pilots and Digitization of the Scorecard
- QR code for release

QUICK BACKGROUND

HOW WE GOT HERE

ARISE US and Waterfront Alliance announced a partnership



To envision a multi-phase implementation strategy that builds capacity for non-party stakeholders, primarily cities



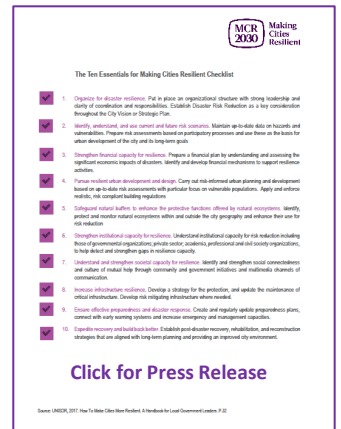
To co-lead design and execution of a **coastal resilience scorecard (CRS)** powered by the resilience, ecology and community access ethos of [Waterfront Edge Design Guidelines \(WEDG\) Version 3](#)



To align the scorecard's structure and usability with the [Sendai Framework for Disaster Risk Reduction operational framework at the local level - Ten Essentials for Making Cities Resilient \(MCR 2030\)](#)



[Click for Press Release \(6 13 24\)](#)



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Framing to the 10 Essentials emphasizes the **resilience business case** in **Prevention** while dedicating resources to **Response** and **Recovery**

Essential 1 Organize for Resilience	Essential 2 Identify, Understand and Use current and Future Risk Scenarios	Essential 3 Strengthen Financial Capacity for Resilience	Essential 4 Pursue Resilient Urban Development	Essential 5 Safeguard Natural Buffers
Essential 6 Strengthen Institutional Capacity for Resilience	Essential 7 Increase Social and Cultural Resilience	Essential 8 Increase Infrastructural Resilience	Essential 9 Ensure Effective Disaster Response	Essential 10 Expedite Recovery and Build Back Better

 **Prevention Planning & Implementation**

 **Response Planning & Implementation**

 **Recovery Planning & Implementation**



Community-driven design of public access area

Reduced flood risk

Innovative stormwater drainage design

Water taxi use

Restoration of upland biodiversity

Restoration of in-water habitat

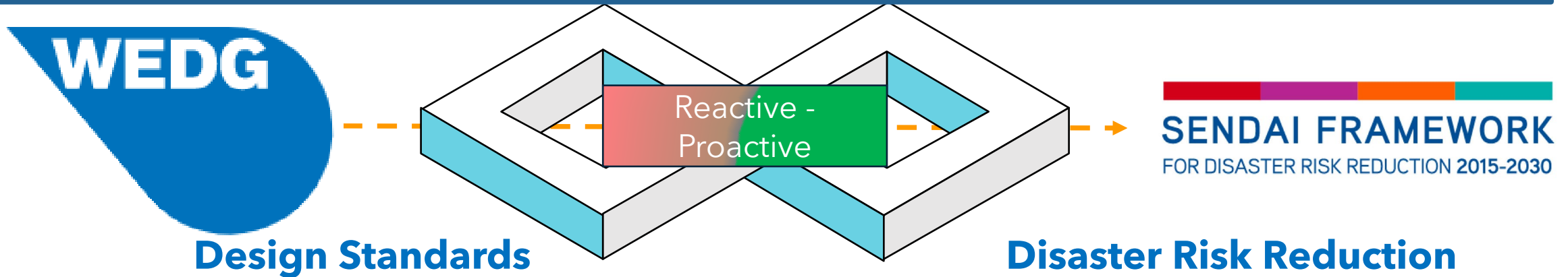
Floating boardwalk

**Jose Marti Park
(WEDG-verified)
Miami, FL**

Shoreline stabilization

What is the Scorecard - how is WEDG involved?

- **The Scorecard** is a tool meant for coastal resilience professional end-users to boost capacity in the **identification & assessment stages** of the **coastal disaster risk management** lifecycle.
- **WEDG credits** are used to 'power' the connection between **reactive** and **proactive** design and implementation elements for city built and natural environments that mitigate and allow for acceptance of **coastal disaster risks**.



- Category 0: Site Assessment & Planning
- Category 1: Climate and Hazard Resilience
- Category 2: Community Access & Connections
- Category 3: Edge Composition
- Category 4: Natural Resources & Sustainability
- Category 5: Innovation



WHAT'S NEXT

HOW WE GO FROM HERE

The **Scorecard** will teach cities how to evaluate both **spatial** and **temporal** scales of resilience **intervention** (i.e., financeable blue projects)

Temporal Scales of Intervention



Spatial Scales of Intervention

City Scale

Built Environment Scale

Building Scale

Natural Environment Scale



The Scorecard universalizes a view on the most salient **coastal disaster hazards** that apply globally

Geohazard



- Coastal Erosion
- Compressible & Expansive Soil
- Earthquake (Shockwave, Landslides)
- Landslide (non-seismic)
- Liquefaction
- Sand Encroachment
- Subsidence & Uplift

Hydrological



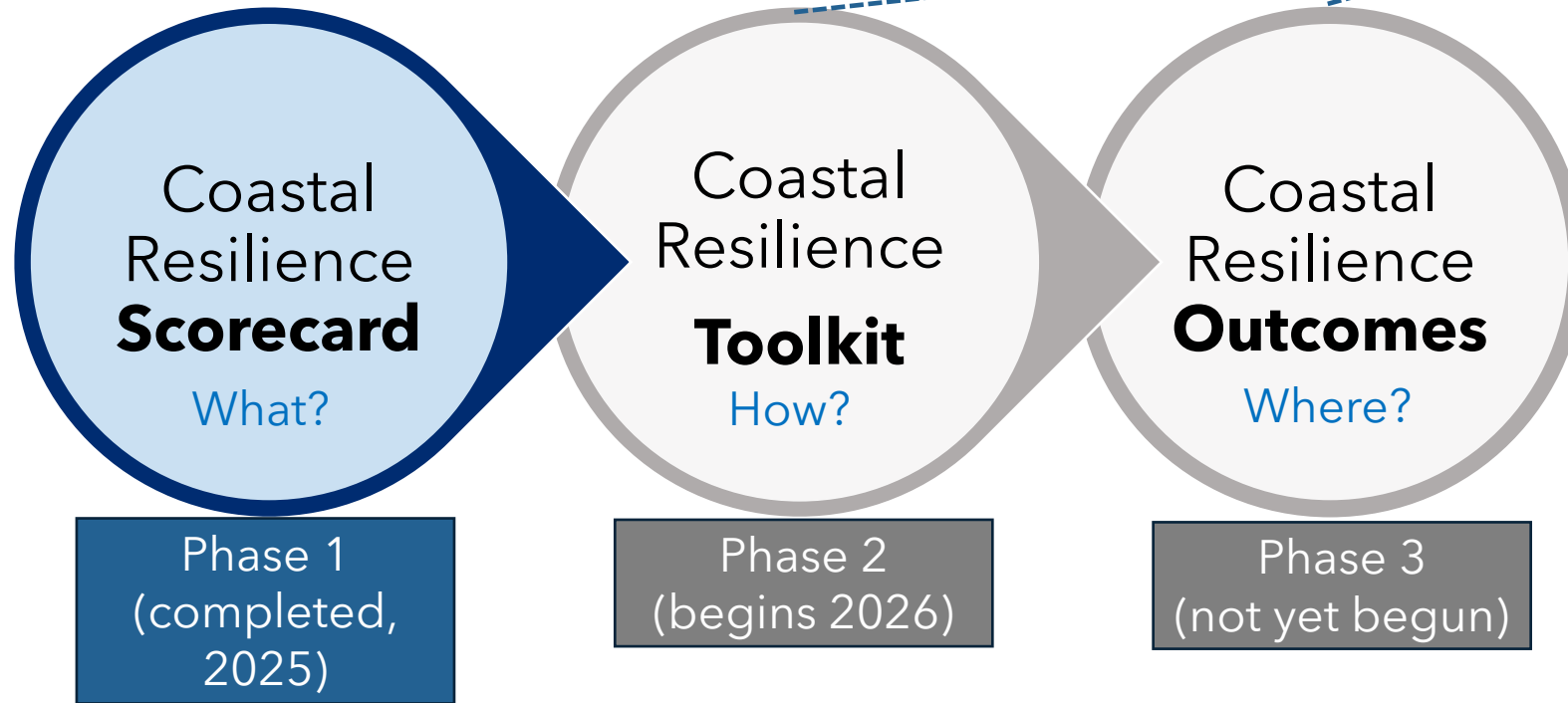
- Extreme Wave Event (e.g., Tsunami)
- Marine Ecosystem Degradation
- Marine Pollution (non-point source)
- Marine Pollution (point source)
- Sea-level Rise (SLR)
- Secondary Salinity (incl. saltwater intrusion)
- Urban Flooding
- Natural Flooding (incl. coastal flooding)

Meteorological



- **Extreme Coastal Event** (Convective, Low-Pressure, Wind)
- **Extreme Temperature Event** (Marine Cold Spell, Marine Heatwave, Ocean Rise via Warming)

Phase 1 is complete, Phase 2 is just beginning

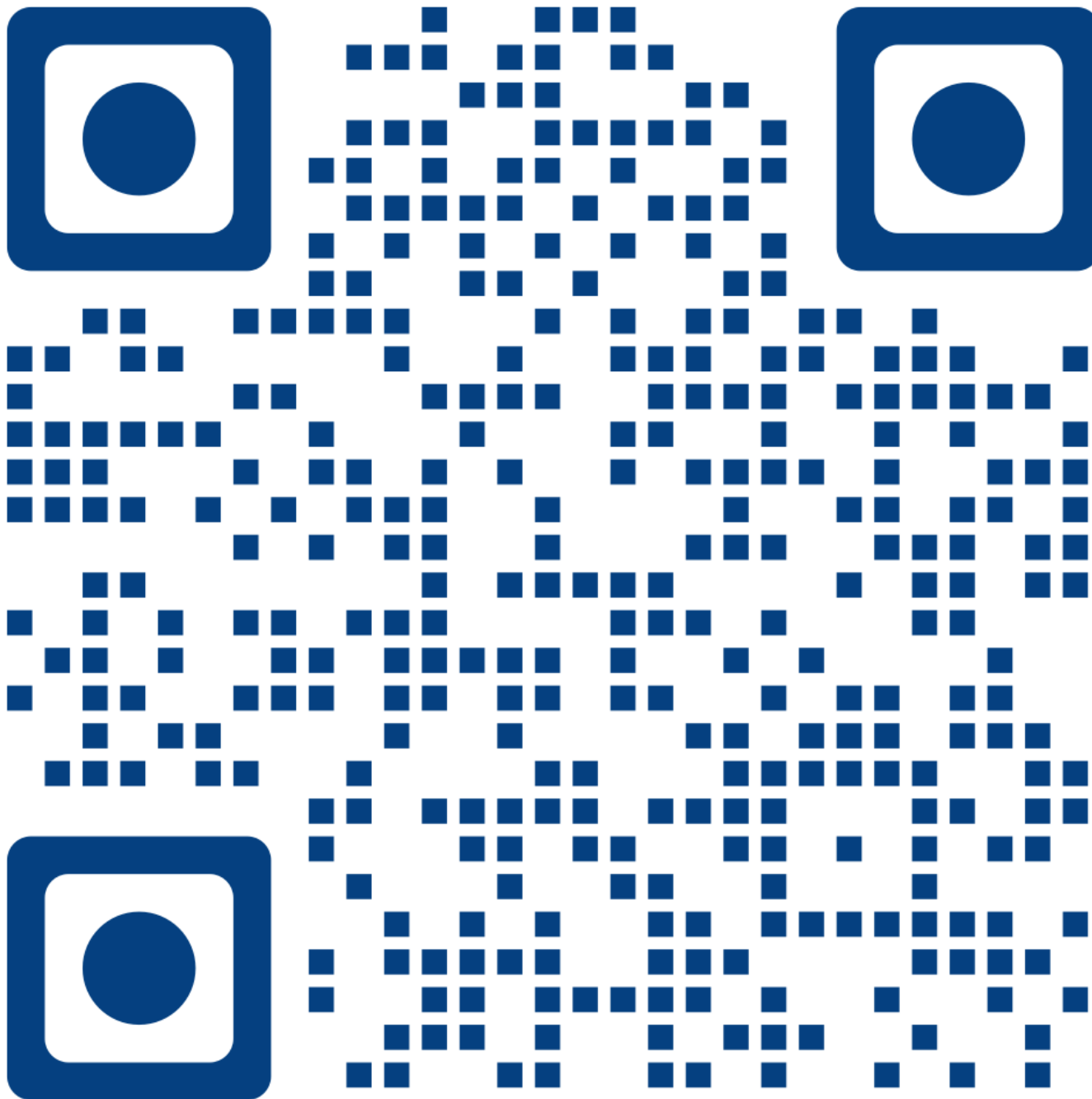


Phases 2 and 3 will explore:

- Market readiness of **Blue Tech** (innovation, startups, revenue creation, equity & debt investments)
- Market readiness of **Blue Finance** (sovereign, sub-sovereign issuers, private credit, innovative financial products & services)

What are the key objectives?

Phase 1 produced Version 1.0 of the Scorecard after peer global peer review and alpha pilot exploration.



Please use this QR code for the **official press release** and **download link** for the Scorecard, Scoring Tool, and User Guide