

# Progress on the Call to Action to the Private Sector for PREPARE

---

March 30, 2023  
9 - 10:15 a.m. ET



TODAY'S  
**Agenda**

---



What is the PREPARE Call to Action?



Marsh McLennan & PREPARE



Google & PREPARE



WTW & PREPARE



Starbucks & PREPARE



Panel & Q&A

# What is the PREPARE Call to Action?

---

Lindsey Doyle





Facilitate increased investment from the private sector to advance adaptation and resilience in climate-vulnerable partner countries.

**PREPARE  
OBJECTIVE**

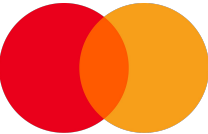
**CALL TO  
ACTION**

## **Invites the private sector to:**

- Invest in the resilience of their supply chains and workforce,
- Innovate on new products or efficiency gains needed to adapt to a warming world, or
- Deploy products and services that enable people to prepare for and manage climate impacts.

# Companies Involved to Date

---



mastercard



**PEPSICO**



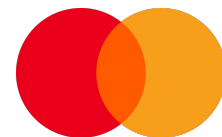
# Summary of Company Commitments



- **Expand coverage for early warning alerts for river-based flooding to 18 new countries, including 15 countries in Africa.**
- Co-create locally tailored services and improve the accuracy of flood alerts.



- Launch a **new insurance and adaptation mobilization campaign** to engage the industry to scale its role in supporting climate risk reduction and adaptation.
- Help **standardize and potentially quantify insurers' impact on climate risk reduction.**



mastercard

- Forge a new partnership with BFA Global to **accelerate innovative fintech-enabled solutions.**
- Bring **30 million people onto its Community Pass platform over the next five years** to provide smallholder farmers with market access, climate-related decision support, and credit-building opportunities.

# Summary of Company Commitments



- Work with partners in Kenya and Egypt on the **first global expansion of the AI for Good Research Lab**.
- Together with the African Development Bank, African Climate Foundation, and African Risk Capacity, establish a **new Africa AI Innovation Council which will convene a high-level, multi-sector group of leaders to improve climate resilience in Africa**.



- Work with UNDRR and the Insurance Development Forum, apply WTW expertise and resources to support **development of the Global Resilience Index Initiative (GRII)**, for companies, governments, and other stakeholders to project out how investments in adaptation today will benefit them financially in the future.



- **Expand the Gro For Good program** that supports the development of a sustainable global food system that is resilient to climate change.
- Build, maintain, and deploy climate information services and early warning systems.

# Summary of Company Commitments



- **Integrate climate risk assessments into key business decisions.**
- Enable access to **climate risk assessment tools for supply chain** partners.
- Explore how Meta's core products can further inspire and drive climate action and provide support to people affected by climate-related events.



- **Mobilize more than \$500 million to invest in adaptation strategies.**



- Continue implementation of the PepsiCo Positive strategic approach by **driving irrigation water use efficiency in areas under high water stress.**
- funding the **Positive Agriculture Outcomes (PAO) Fund to support regenerative agricultural practices.**



- **Develop digital tools to help with adaptation, resilience, and preparedness in local communities.**
- Offer agile, real-time application and visualization of data via analysis, prediction, and simulation for adaptation.



# Meet Today's Speakers

---



**Matthew Foote**  
Senior Director |  
WTW



**Moriah Royz**  
Senior Product  
Manager | Google



**Francis Bouchard**  
Managing Director |  
Marsh McLennan



**Megan Debates**  
Government Affairs and  
Policy Advisor | Starbucks

# Marsh McLennan

---

Francis Bouchard



# Marsh McLennan is catalyzing industry support for climate adaptation projects, frameworks and approaches

## Sharm el-Sheik Adaptation Agenda | Cross-Cutting Finance Objectives



Private investors to mobilize \$300B by 2030



Public finance allocate 50% of climate funds to resilience



Insurers to support projects, develop framework and institutionalize longer-term approach

*Marsh McLennan leveraging its client base, industry relations and other partnerships to promote call to action while assessing internal capabilities to advance commercial adaptation offerings*

**Promoting new projects:**  
extreme heat microinsurance, NBS watershed flood mitigation, wildfire mitigation

**Supporting new frameworks:**  
IDF exploring 1.5 equivalent for adaptation, others exploring sectoral metrics and targets

**Institutionalizing solutions:**  
consolidating platforms, EU-insurance dialogue, pushing enabling legislation

**Community Disaster Resilience Zone Act** mandates that FEMA identify and prioritize communities with high social vulnerability and climate risk exposure. Implementation work includes partnering to infuse insurance talent into technical assistance offering as well as identifying and addressing wildfire risk at high-priority marginalized communities. Industry pursuing next phase of legislation to incentivize private sector investment.

# Google

Moriah Royz



## Flood Forecasting



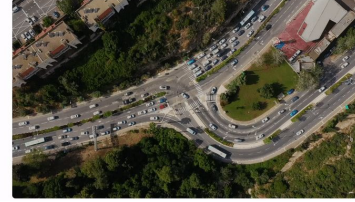
Forecasting & mitigating floods

## Wildfires



Detecting & forecasting wildfires

## Green Light



Reducing vehicle-based emissions & harms

## Skai



Post-disaster damage assessment

## Earthquakes



Identifying earthquake precursors

## Open Building Dataset



Mapping the African continent

## Locusts



Forecasting locust breeding grounds

## Global Development



## Agriculture & Food Security



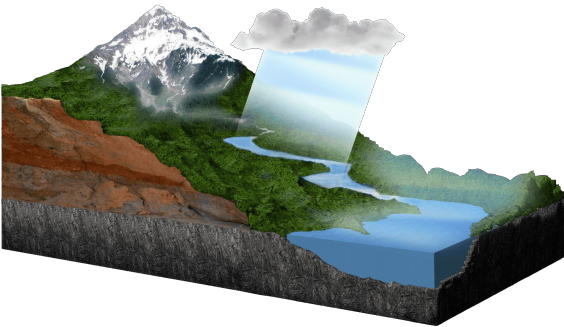
## Climate & Sustainability



## Disaster Management



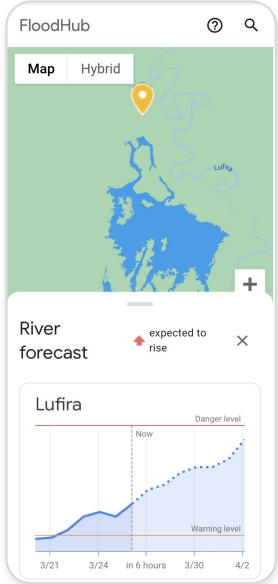
# The Google Flood Forecasting



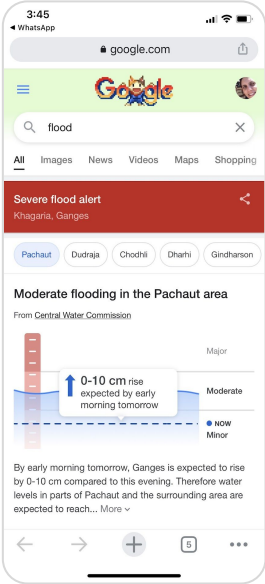
Hydrologic Model



Inundation Model



Warning Distribution



# Google Global Models

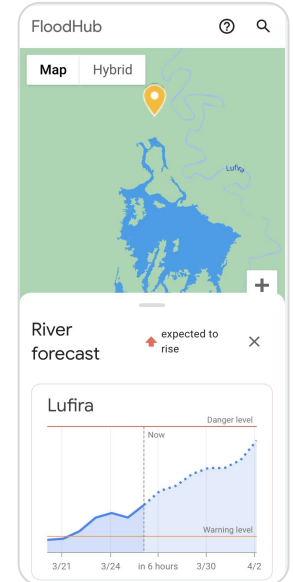
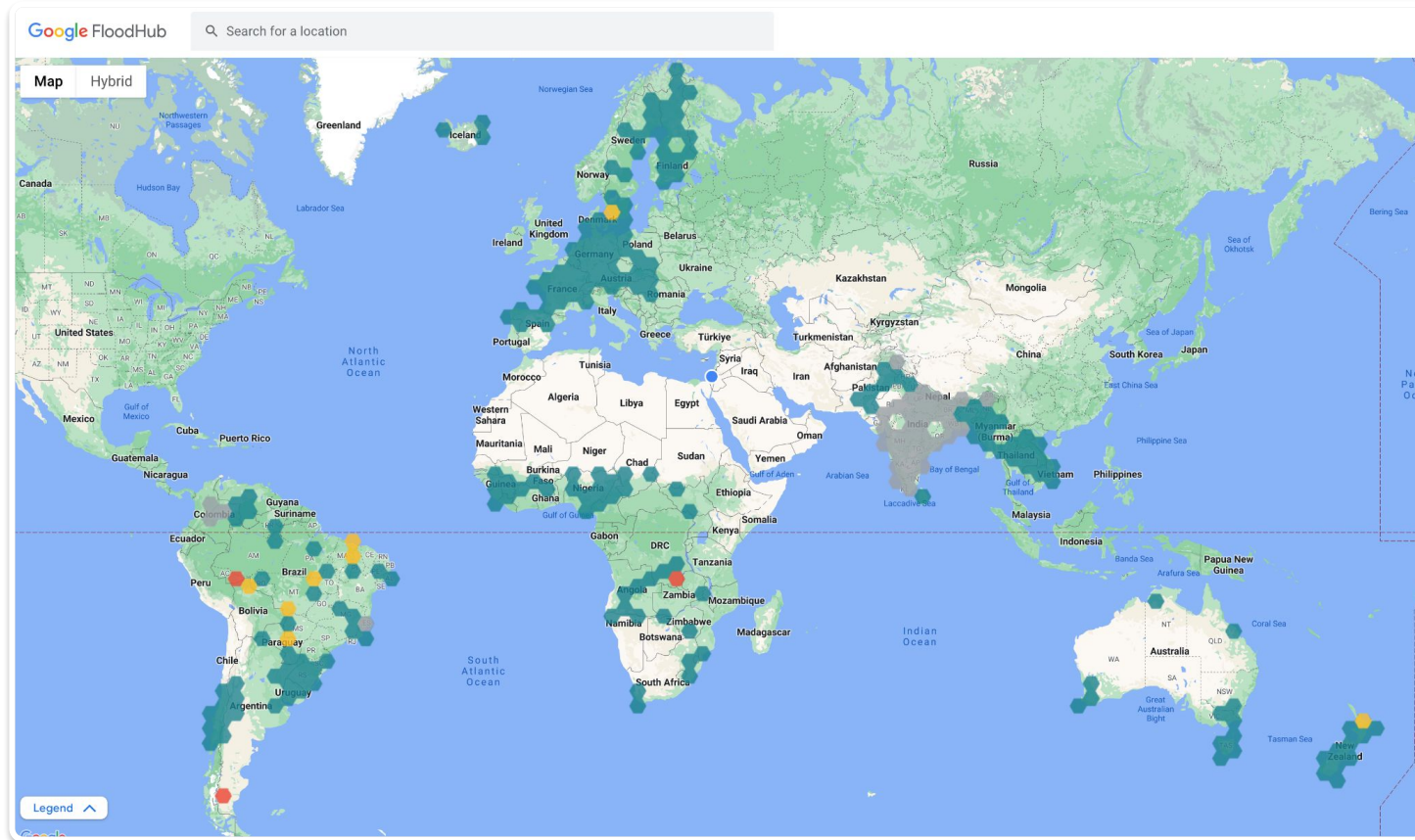
---

Utilizing global weather and precipitation datasets while implementing the Google AI hydrology and inundation models we were able to provide 7 days flood forecasting in 50 countries, total of 1,200 stations.

Next month we will be in 80 countries, total of 1,800 stations. Check [g.co/floodhub](https://g.co/floodhub) for updates



# The Google FloodHub: [g.co/floodhub](https://g.co/floodhub)







We constantly look for ways to  
advance climate resilience—and to  
empower others to do the same

# Willis Towers Watson

---

Matthew Foote





# Global Resilience Index Initiative

March 2023



# Global Resilience Index Initiative

## Open Physical Risk Data And Analytics

Key GRII features and confront persistent challenges in climate and wider resilience

- **A COMMON LANGUAGE OF RISK** across public, private, finance and civil society
- **CONSISTENT RISK METRICS** – systemic risks, supply chains, trade, natural capital
- **SHARED ANALYTICS**, allowing risk to be integrated into decision making
- **GLOBALLY CONSISTENT** and integrated across hazards, assets, and timescales
- **INTEGRATED EXPERTISE** – based on last decade of cross sector collaboration
- **OPEN TO ALL**, public good. Inspired by UN GAR17 and Global Earthquake Model

Rio de Janeiro  
Flood hazard: **High**  
Seismic hazard: **Low**

**PUBLIC – PRIVATE COLLABORATION TO  
BUILD A COMMON LANGUAGE AND  
UNDERSTANDING OF RISK**



# Status Update

## Continuous improvement to datasets:

- Continue to add to and enhance the contents of the GRII using the best openly available global datasets.

## Climate risk analysis and validation:

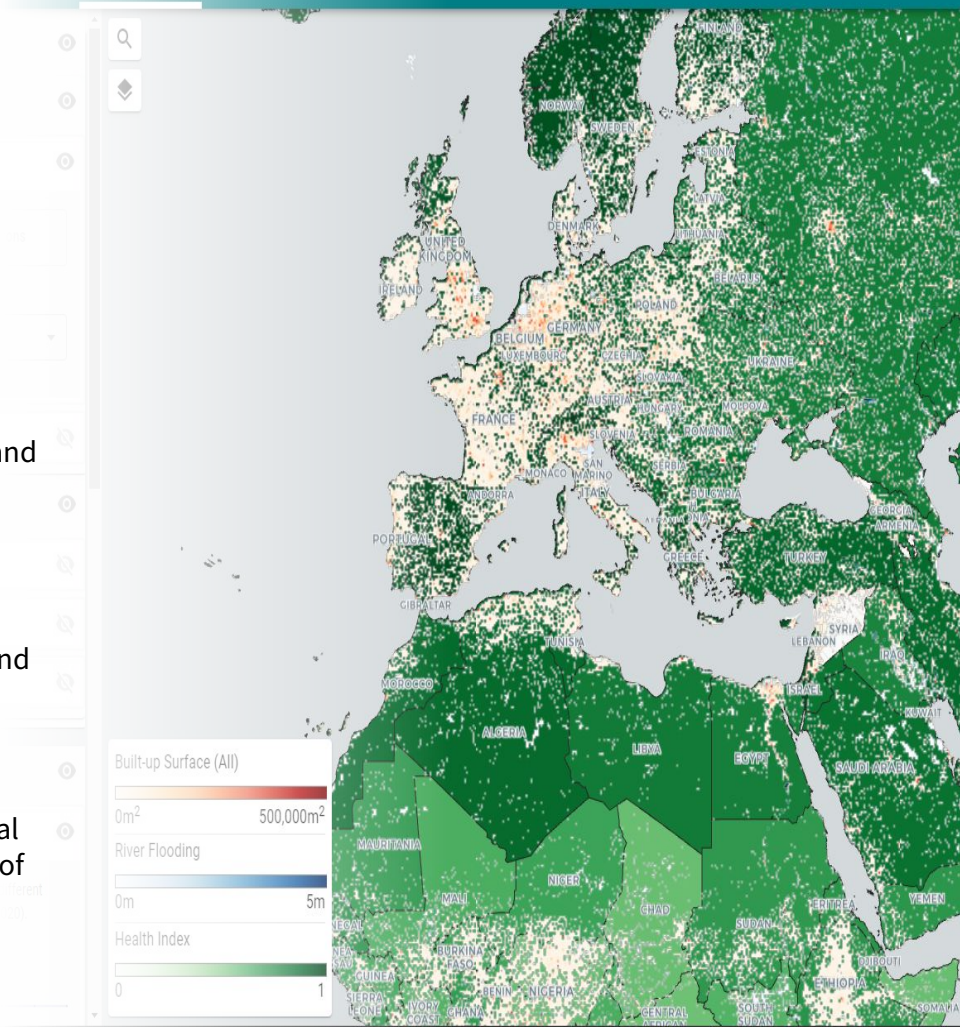
- Continue to improve the GRII's calculations of climate risk and rigorously validate these risk estimates against observed loss and damage.

## Use cases:

- Customise use cases including cases of physical climate risk disclosure, pricing climate risk in infrastructure investments, and adaptation investment prioritization.

## Tool functionality:

- Building on the platform that was launched at COP27 additional analytical functionality will be added to provide a wider range of decision-relevant metrics, maps and future projections.



# USAID Advisory Council on Voluntary Foreign Aid, represented by Starbucks

---

Megan DeBates



# STARBUCKS FARMER SUPPORT CENTERS



# Key Initiatives

- Decreasing carbon emissions in Starbucks supply chain by equipping farmers with precision agronomy tools
- Promoting and distributing climate-resistant tree varietals
- Protecting and restoring at-risk forests in key coffee landscapes
- Conserving water by directly investing in new ecological wet mills (eco-mills)
- Developing water replenishment projects in coffee communities





# Meet Today's Panelists

---



**Matthew Foote**  
Senior Director |  
WTW



**Moriah Royz**  
Senior Product  
Manager |  
Google



**Francis  
Bouchard**  
Managing  
Director | Marsh  
McLennan



**Megan Debates**  
Government  
Affairs and  
Policy Advisor |  
Starbucks



**Nate Matthews**  
CEO | GRP



**Pallavi  
Sherikar**  
Adaptation  
Advisor | State  
Department



# Thank You

---



resilience  
links