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# An Integrated Platform Approach for Global Risks

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World Economic Forum - Centre for Global Public Goods

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# About the World Economic Forum



*The World Economic Forum is the International Organization for Public-Private Cooperation.*

Our activities are shaped by a unique institutional culture founded on the stakeholder theory, which asserts that an organization is accountable to all parts of society. We believe that progress happens by bringing together people from all walks of life who have the drive and the influence to make positive change.

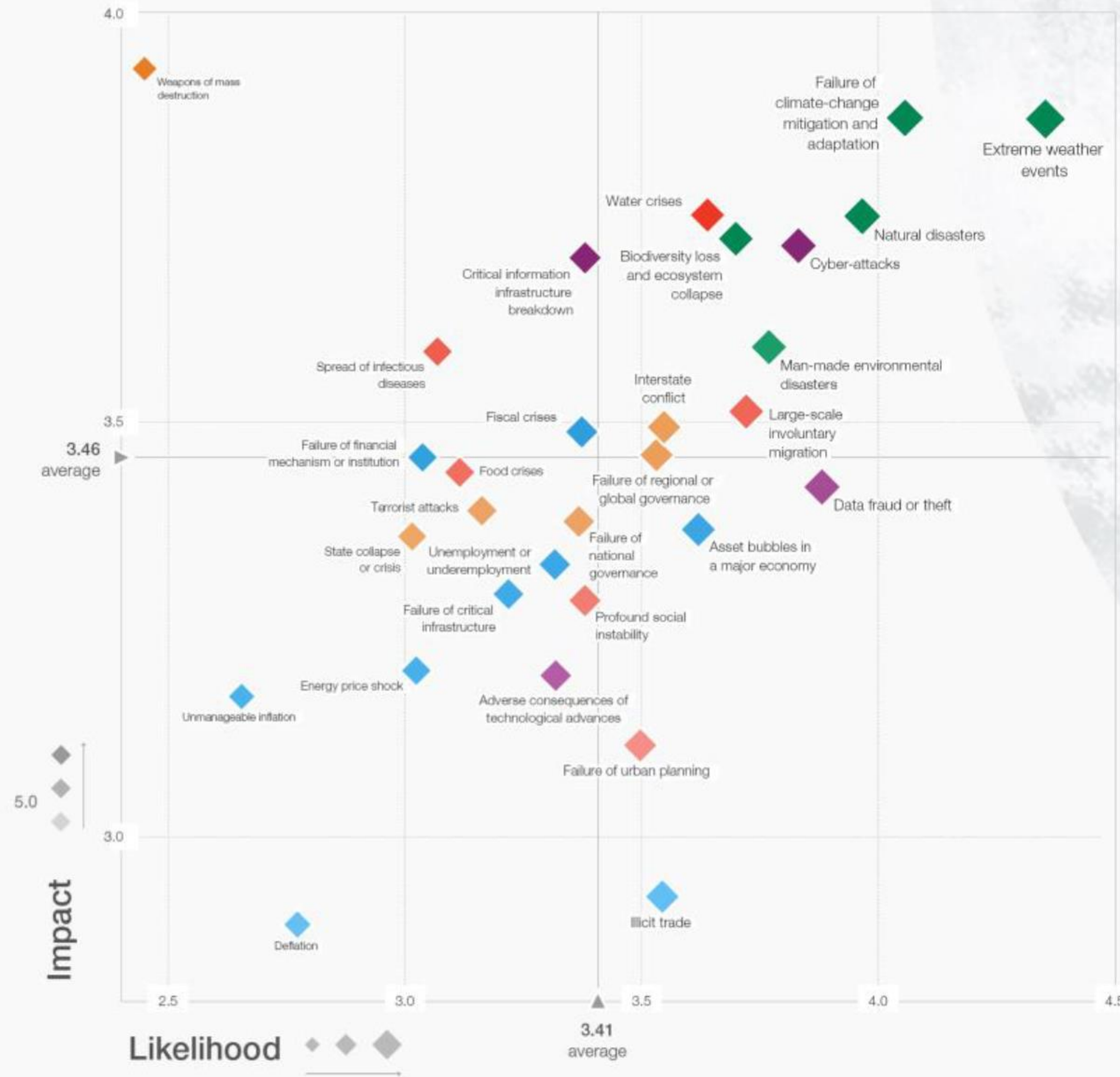


# Risk Likelihood and Impact Over a 10-Year Horizon

Global Risks Landscape

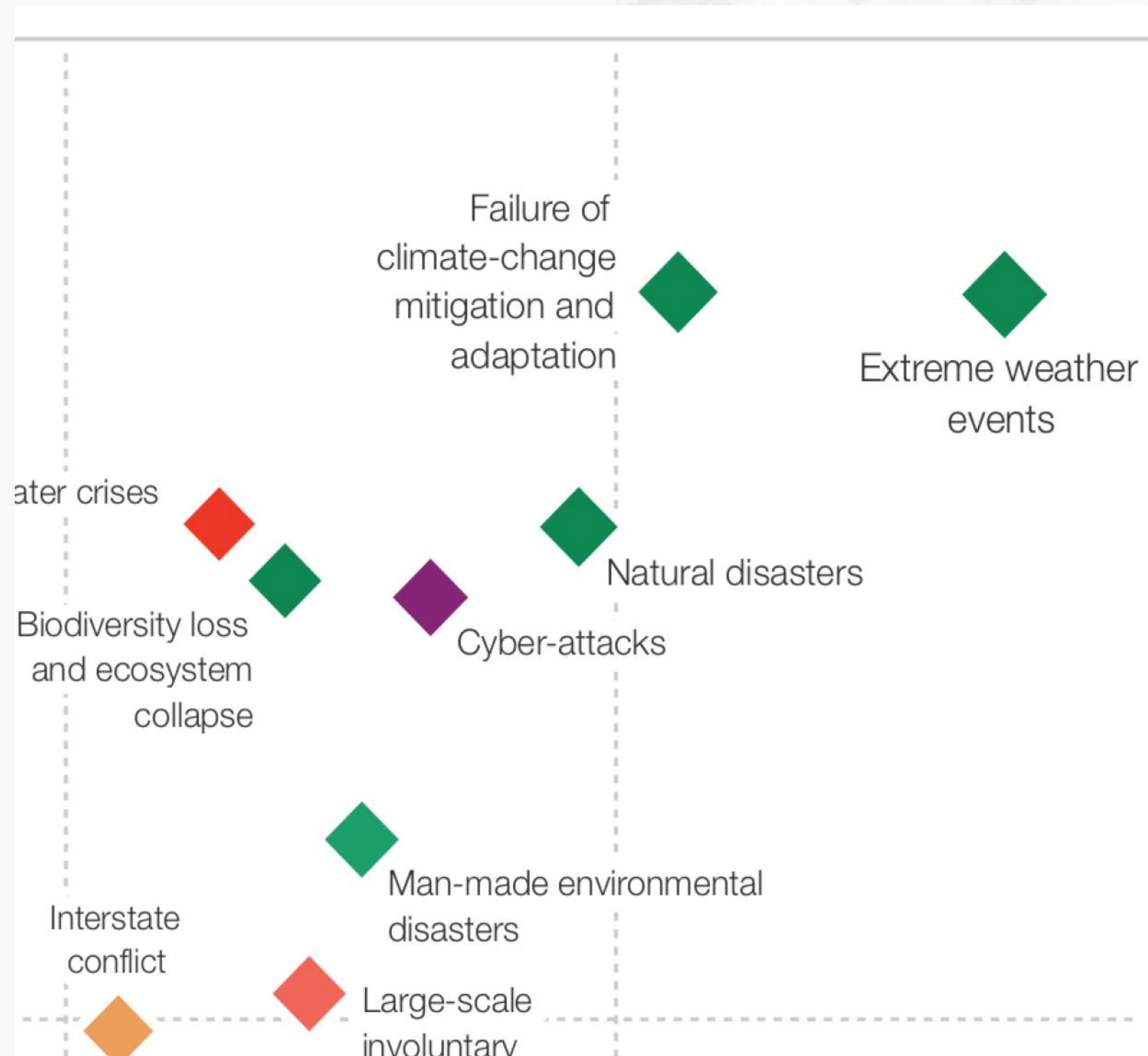
Categories

- ◆ Economic
- ◆ Environmental
- ◆ Geopolitical
- ◆ Societal
- ◆ Technological



**2019 Global Risks Report:**  
**Cluster of environment and related societal/ sustainability risks are seen as the most likely and most impactful**

# Risk Likelihood and Impact over a 10-Year Horizon



# Environmental risks are “wicked”: they stick around and are growing

Top 5 Global Risks in Terms of Likelihood

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1st	Asset price collapse	Asset price collapse	Storms and cyclones	Severe income disparity	Severe income disparity	Income disparity	Interstate conflict with regional consequences	Large-scale involuntary migration	Extreme weather events	Extreme weather events	Extreme weather events
2nd	Slowing Chinese economy (<6%)	Slowing Chinese economy (<6%)	Flooding	Chronic fiscal imbalances	Chronic fiscal imbalances	Extreme weather events	Extreme weather events	Extreme weather events	Large-scale involuntary migration	Natural disasters	Failure of climate-change mitigation and adaptation
3rd	Chronic disease	Chronic disease	Corruption	Rising greenhouse gas emissions	Rising greenhouse gas emissions	Unemployment and underemployment	Failure of national governance	Failure of climate-change mitigation and adaptation	Major natural disasters	Cyber-attacks	Natural disasters
4th	Global governance gaps	Fiscal crises	Biodiversity loss	Cyber-attacks	Water supply crises	Climate change	State collapse or crisis	Interstate conflict with regional consequences	Large-scale terrorist attacks	Data fraud or theft	Data fraud or theft
5th	Retrenchment from globalization	Global governance gaps	Climate change	Water supply crises	Mismanagement of population	Cyber-attacks	High structural unemployment or underemployment	Major natural catastrophes	Massive incident of data fraud/theft	Failure of climate-change mitigation and adaptation	Cyber-attacks

Top 5 Global Risks in Terms of Impact

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1st	Asset price collapse	Asset price collapse	Fiscal crises	Major systemic financial failure	Major systemic financial failure	Fiscal crises	Water crises	Failure of climate-change mitigation and adaptation	Weapons of mass destruction	Weapons of mass destruction	Weapons of mass destruction
2nd	Retrenchment from globalization (developed)	Retrenchment from globalization (developed)	Climate change	Water supply crises	Water supply crises	Climate change	Rapid and massive spread of infectious diseases	Weapons of mass destruction	Extreme weather events	Extreme weather events	Failure of climate-change mitigation and adaptation
3rd	Oil and gas price spike	Oil price spikes	Geopolitical conflict	Food shortage crises	Chronic fiscal imbalances	Water crises	Weapons of mass destruction	Water crises	Water crises	Natural disasters	Extreme weather events
4th	Chronic disease	Chronic disease	Asset price collapse	Chronic fiscal imbalances	Diffusion of weapons of mass destruction	Unemployment and underemployment	Interstate conflict with regional consequences	Large-scale involuntary migration	Major natural disasters	Failure of climate-change mitigation and adaptation	Water crises
5th	Fiscal crises	Fiscal crises	Extreme energy price volatility	Extreme volatility in energy and agriculture prices	Failure of climate-change mitigation and adaptation	Critical information infrastructure breakdown	Failure of climate-change mitigation and adaptation	Severe energy price shock	Failure of climate-change mitigation and adaptation	Water crises	Natural disasters

■ Economic ■ Environmental ■ Geopolitical ■ Societal ■ Technological

# Risk Interconnections Over a 10-Year Horizon



Sociopolitical factors rise in prominence when respondents are asked about the way risks are interconnected

# Current approaches are not delivering global sustainability: something extra is required, fast

## TRADITIONAL APPROACH



**INFLEXIBLE**



**INCREMENTAL**



**IRRELEVANT**



## FUTURE APPROACH



**INNOVATIVE**



**SCALABLE**

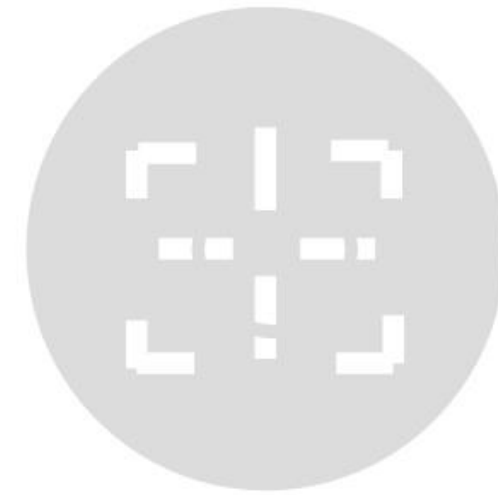


**IMPACT-LED**

# Projects vs Platforms

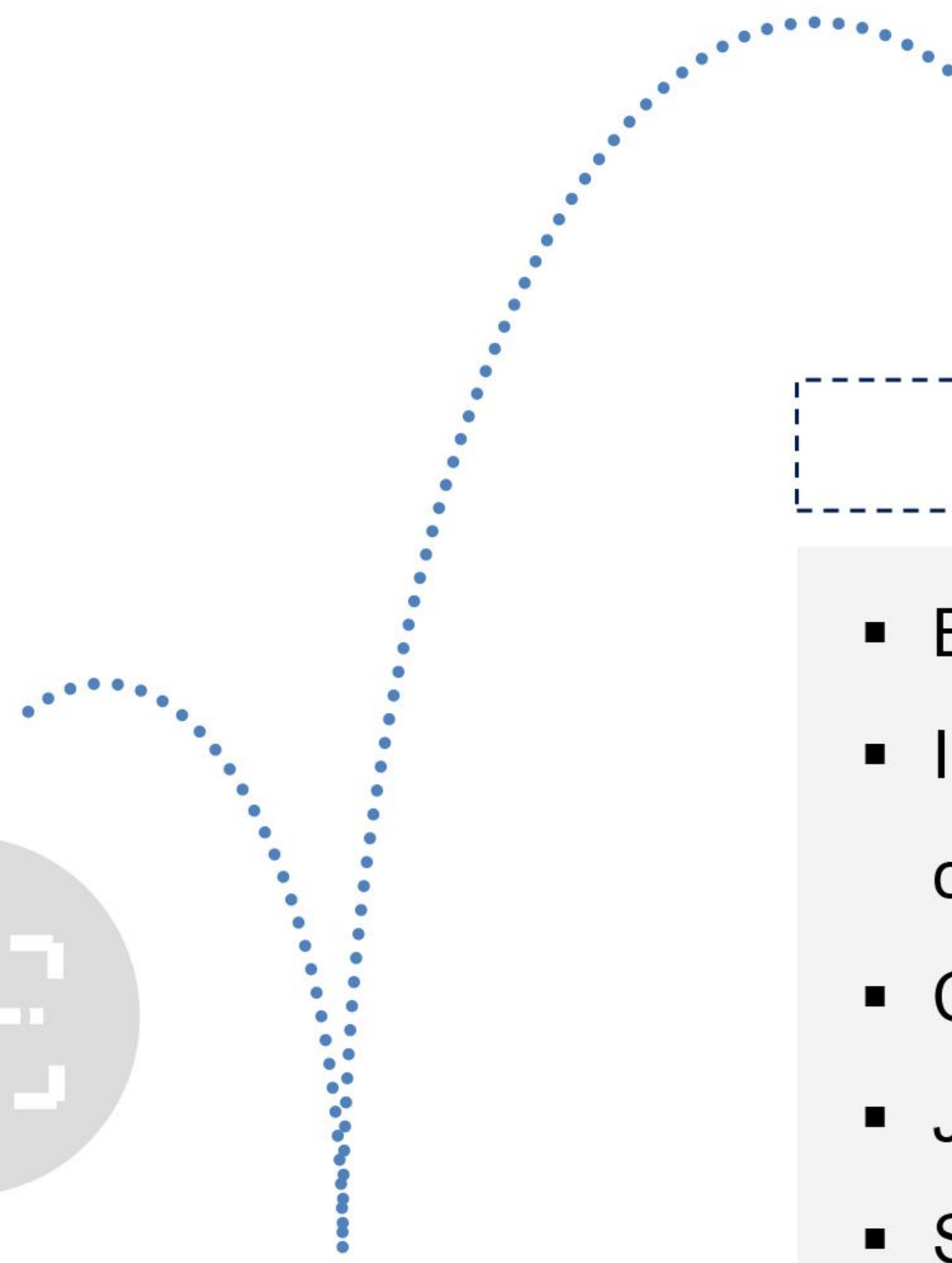
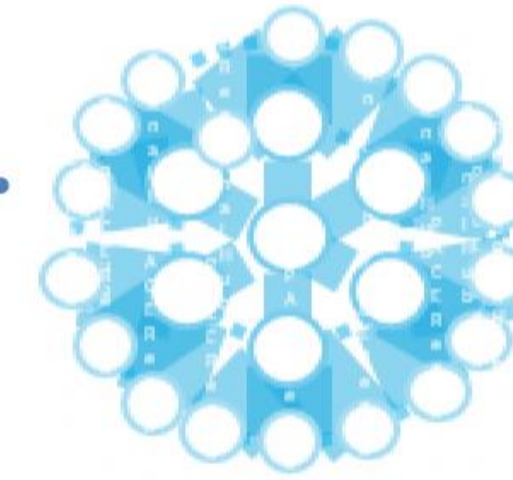
## PROJECT

- Specific, predetermined
- Proprietary
- Narrowing, limiting
- “Made by us”



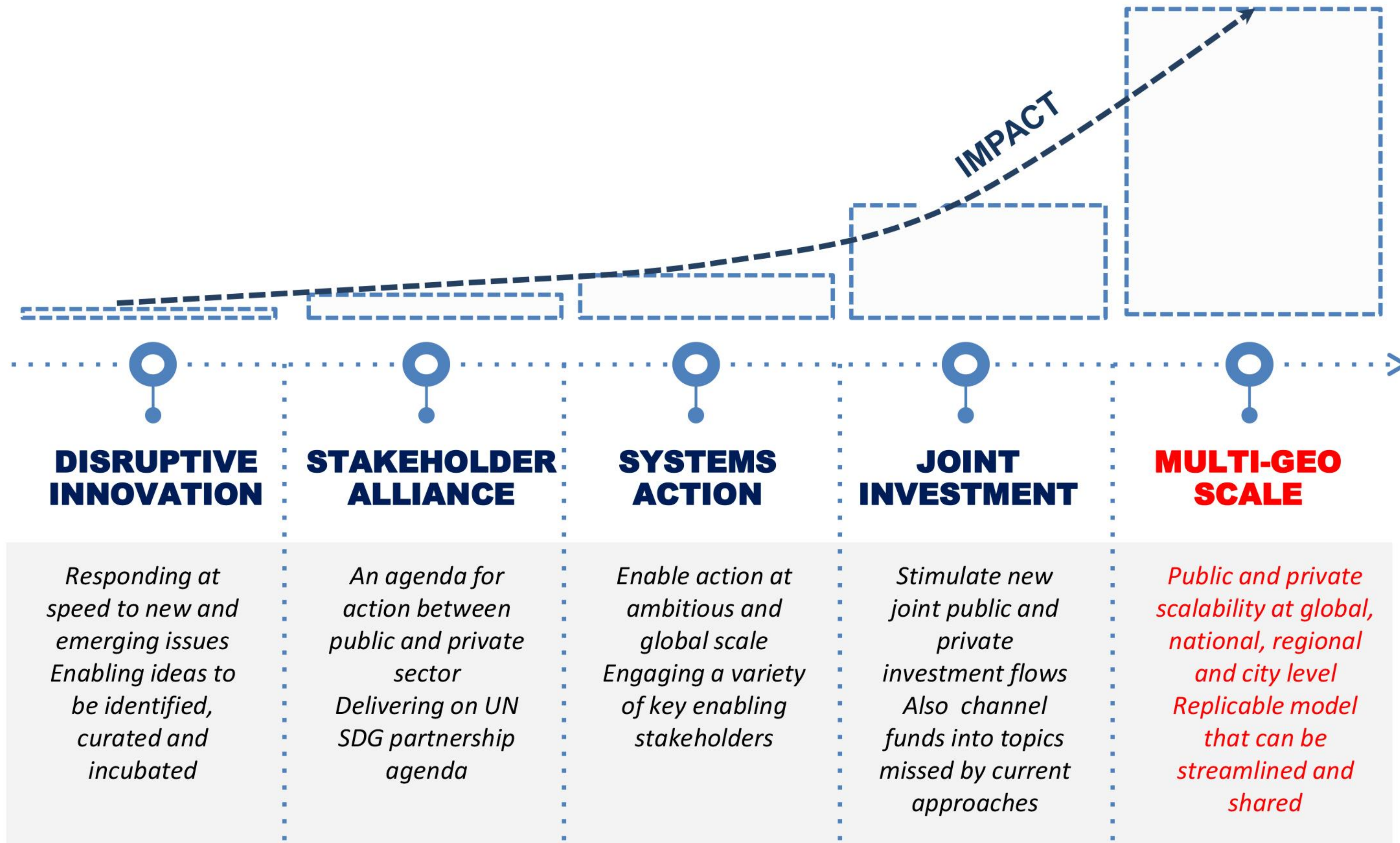
## PLATFORM

- Broad, flexible
- Inclusive, collaborative
- Catalyzer, amplifier
- Jointly owned
- SCALE





# Platforms create impact at scale: through platforms, partners can maximize “systems” scale impact in a time-to-goal manner



Five Key Characteristics

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## Some Public-Private Platform Examples

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# TROPICAL FOREST ALLIANCE





# Thematic Engagements Tropical Forest Alliance



## About Tropical Forest Alliance

The Tropical Forest Alliance 2020 (TFA 2020) is a **global public-private partnership** in which partners take voluntary actions, individually and in combination, to reduce the tropical deforestation associated with the **sourcing of commodities such as palm oil, soy, beef, and paper and pulp**

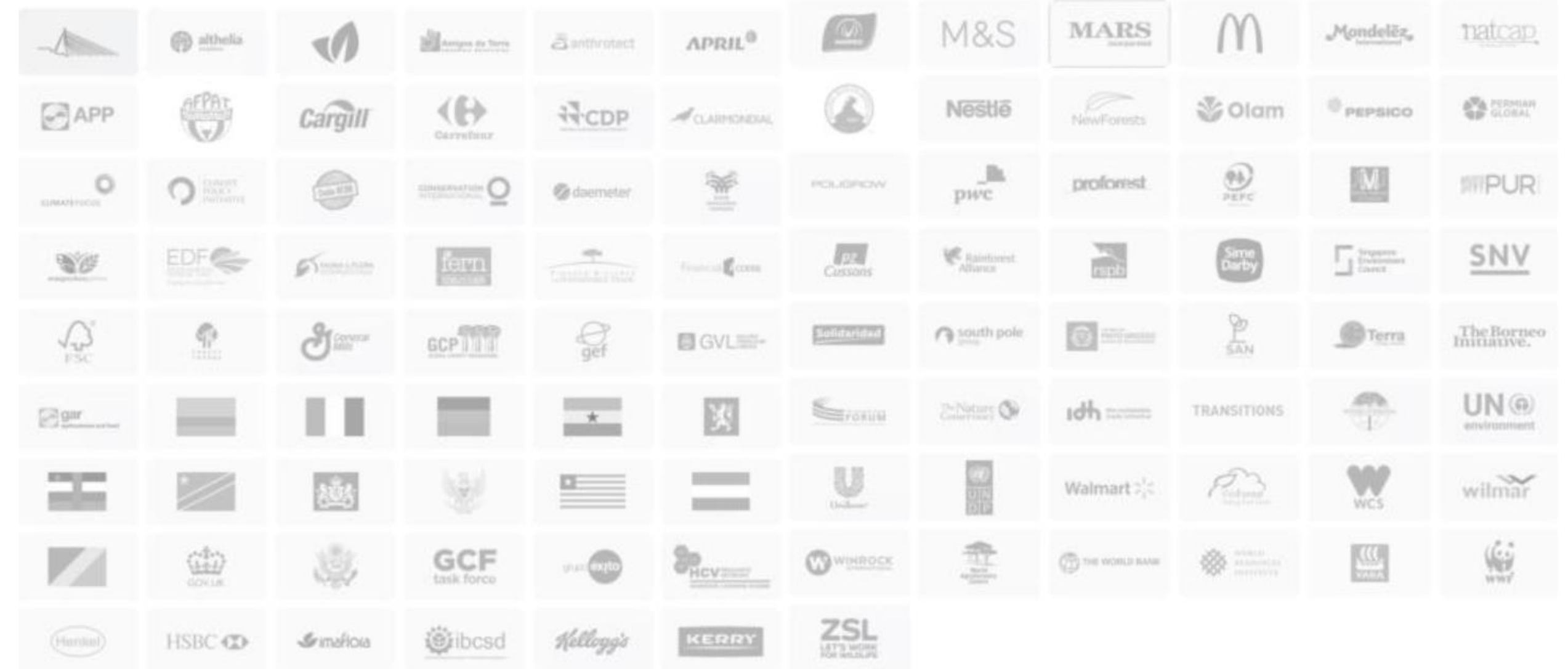
## The 152 TFA Partners include:

66  
Civil Society

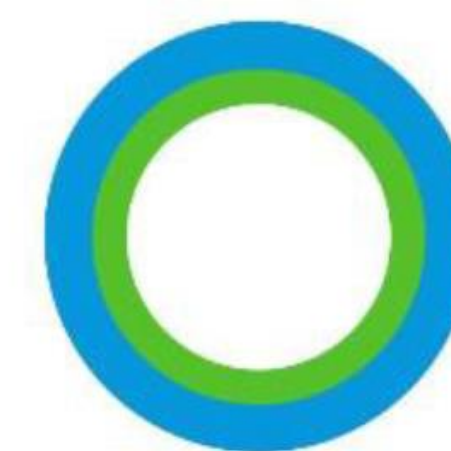
63  
Companies

17  
Government

6  
Multilateral Organization



# FRIENDS OF OCEAN ACTION



# Friends of Ocean Action

53 Champions, 12 “swim lanes”, each group advancing fast-track solutions by 2020

Launched in April 2018,

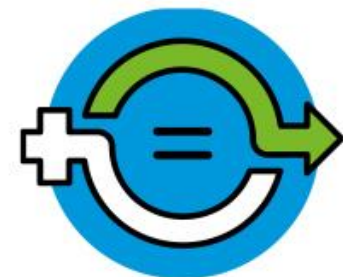
>\$22.3mn investment catalysed; >20 countries engaged



**Blue Food**



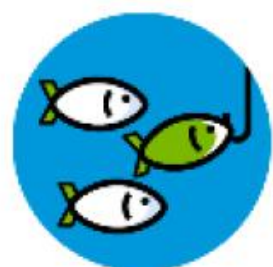
**Marine Protected Areas**



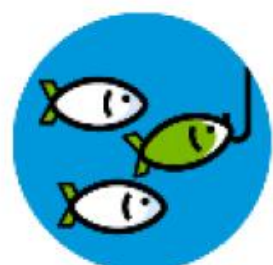
**Gender Parity**



**Financing Ocean Innovation**



**Illegal, Unreported, Unregulated (IUU) fishing – retailers**



**IUU fishing – Port State Measures Agreement (PSMA)**



**Zero Emission Vessels by 2030 (ZEV2030)**



**Global Plastics Action Partnership (GPAP)**



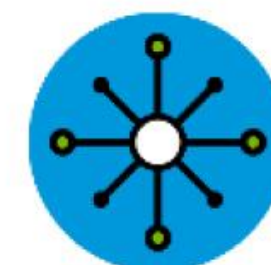
**Liberating Ocean Data**



**Deep Sea Mining**



**Eliminating Harmful Fisheries Subsidies**



**Science Based Targets**

# GLOBAL PLASTICS ACTION PARTNERSHIP

## PLATFORMS CAN CATALYZE FURTHER PLATFORMS



### LONG TERM AMBITION

Avert plastic pollution from source to sea by 2025, by fast-tracking circular economy solutions and catalysing concerted solutions



### CONTEXT

- We are on a path to having more plastics than fish in the ocean by 2050
- In low and middle-income countries, waste is often disposed in unregulated dumps or openly burned, creating health, safety, and environmental risks
- The past year has seen a wave of growing interest and commitment to tackling plastic pollution from global to national, business and small-scale initiatives
- To maximize impact and advance systemic change, scaled action and collaboration between the diverse stakeholders and efforts are needed

### OBJECTIVES

- Build and grow a public-private partnership to help translate political and corporate commitment to address plastic pollution into tangible strategies and investible actions plans
- Translate into national platforms that develop fact-based national action plans
- Conduct pilots in three countries and scale up to other countries
- Capture and exchange insights for rapid replication and scale

### PROJECT DESCRIPTION

The Global Plastics Action Partnership (GPAP) was forged as a structured global public-private partnership for action on plastic that enables public, private and civil society sectors and their initiatives to come together. As such, GPAP provides a platform for discussion and collaboration amongst the range of emerging efforts to jointly support governments facing plastic pollution challenges – particularly in developing or emerging economies.

To enable this, GPAP will also advance structured action through focused proof-of-concept partnerships in ASEAN, Africa and SIDS. Representing three different “archetypes”, these focused partnerships will demonstrate the varying approaches to tackling plastics pollution in profoundly different geographies and economic contexts.

### ROADMAP

2018	2019
Establish global platform	Conduct pilot in Indonesia, Ghana
	Confirm other pilot countries



# PLATFORM FOR ACCELERATING CIRCULAR ECONOMY



**PACE**  
PLATFORM FOR ACCELERATING  
THE CIRCULAR ECONOMY



**LEADERSHIP** - 75+ public and private organizations have joined PACE over the last 3 years with active leadership – more than the Forum could have ever done alone



Co-Chairs



**Naoki Ishii**  
CEO & Chair  
GEF



**Frans van Houten**  
CEO & Chair  
Philips

Knowledge Partners



WORLD  
RESOURCES  
INSTITUTE



Leadership Group

### COMPANIES

- **Frans van Houten, CEO & Chairman, Philips**
- Kees van Dijkhuizen, CEO, ABN AMRO
- Peter Lacy, Global Managing Director, Growth, Strategy and Sustainability, Accenture
- Eric Schmidt, Executive Chairman, Alphabet
- Lisa Jackson, VP Environment, Policy, Social Initiatives, Apple
- Greg Hodkinson, Chairman, Arup
- Malek Sukkar, CEO, Averda
- Chuck Robbins, CEO, Cisco
- Feike Sijbesma, CEO & Chairman, DSM
- Xu Kaihua, Chairman & President, GEM
- Leontino Balbo Junior, CEO, Grupo Balbo
- Dion Weisler, President & CEO, HP Inc.
- Jesper Brodin, CEO, IKEA
- Ralph Hamers, CEO, ING
- Carlo Messina, CEO, Intesa Sanpaolo
- Stefan Doboczky, CEO, Lenzing AG
- Arthur Huang, Founder & CEO, MiniWiz
- Lars Fruergaard Jørgensen, CEO, Novo Nordisk
- Jean-Louis Chaussade, CEO, Suez
- Christian Wessles, CEO, Sunray Ventures
- Tom Szaky, Founder & CEO, Terracycle
- James Quincey, President & CEO, The Coca Cola Company
- Gonzalo Munos, Co-Founder & CEO, Triciclos
- Paul Polman, CEO, Unilever
- Antoine Frerot, Chairman & CEO, Veolia
- Svein Tore Holsether, President & CEO, Yara International

### GOVERNMENTS

- Fang Li, China Council for International Cooperation on Environment & Development
- Jyrki Katainen, VP, Jobs, Growth, Investment and Competitiveness, European Commission
- Luhut Pandjaitan, Coordinating Minister of Maritime Affairs, Indonesia
- Stientje van Veldhoven, Minister for the Environment, Netherlands
- Thani Ahmed Al Zeyoudi, Minister of Climate Change and Environment for the United Arab Emirates
- Yoshiaki HARADA, Minister of the Environment, Japan
- Jakob Ellemann-Jensen, Minister for Environment and Food Denmark
- Ibrahim Jibril, Minister of Environment, Nigeria
- Vincent Biruta, Minister of Natural Resources, Rwanda
- Derek Andre Hanekom, South African Minister of Tourism
- Miro Cerar, Ministry of Foreign Affairs Slovenia

### REGIONAL / DEVELOPMENT INVESTMENT BANKS

- Werner Hoyer, President, European Investment Bank
- Luis Moreno, President, Inter-American Development Bank
- Kristalina Georgieva, CEO, World Bank

### ORGANIZATIONS

- **Naoko Ishii, CEO, Global Environment Facility**
- Zhao Kai, Secretary General, China Association on Circular Economy
- Harald Friedl, CEO, Circle Economy
- Ellen McArthur, Founder, Ellen MacArthur Foundation
- Scott Vaughn, President, International Institute for Sustainable Development
- Guy Ryder, Director-General, International Labour Organisation
- Janez Potočnik, Co-Chair, International Resource Panel
- Izabella Teixeira, Co-Chair, International Resource Panel
- Janis Jones, CEO, Ocean Conservancy
- Peter Bakker, President, World Business Council for Sustainable Development
- Andrew Steer, President, World Resources Institute
- Marco Lambertini, CEO, World Wildlife Fund

# Demonstrable impact at scale



## PROJECTS

- 3 core public-private partnerships launched
- 10 affiliate partnerships supported

**>\$25m** Solutions investment catalyzed

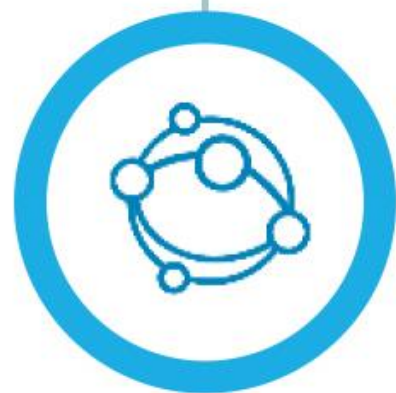


## LEADERSHIP

- Built balanced membership base of:

**>75** global leaders

**11** new platform funding partners



## LEARNINGS

- Learning strategy developed

**11** thought leadership products

**150** network experts



## ELECTRONICS

- Built PRO in Nigeria with **\$15M** in public and private co-financing
- Published New Circular Vision report establishing an **eWaste baseline**
- Published Circular Capital Equipment Coalition learnings on **business case modelling** and **employee engagement**



## PLASTICS

- Catalyzed the Global Plastic Action Partnership (GPAP) with **9 partners, \$12m funding** and **3 pilot countries** committed for 2019



## FOOD & BIO-ECONOMY

- Built a Cities and Circular Economy for Food consortium with **>60 partners** and a **\$2,7tr opportunity** identified



## MODELS & MARKETS

- Published whitepaper with **37 experts** establishing a **baseline on 4IR potential for circular** consumer electronics and plastics packaging

# CIRCULAR ELECTRONICS IN CHINA



## LONG TERM AMBITION

Help the Chinese government reach its target of recycling 50% of e-waste by 2025 and sourcing 20% of materials for products from recycled sources



## PROJECT DESCRIPTION

The project aims to support effective systems for the integration of recycled materials into electronic products and equipment along with other circular economy strategies. Through collaboration between multinational businesses, government and the domestic material recovery sector, work will seek to co-design pilot projects which test new regulatory approaches, technologies and partnerships.

## CONTEXT

- Major electronic companies have set targets to use secondary materials in new products and other strategies to accelerate the circular economy
- China is leading electronics manufacturing & has high targets for circular economy in electronics
- Only \$160m of value is recovered of a potential \$1.3 billion worth of materials
- Limited understanding of secondary material market scale, potential and operations in China
- Informal secondary material processing in China is dominant

## OBJECTIVES

- Create a platform for public private collaboration between electronics companies and the Chinese government
- Move towards piloting new strategies for circular economy in electronics
- Undergo research to increase the base of knowledge on circular electronics in China

## ROADMAP

2018	2019
Undertake baseline research	Finalize public-private cooperation
Build stakeholder group	Start pilot implementation

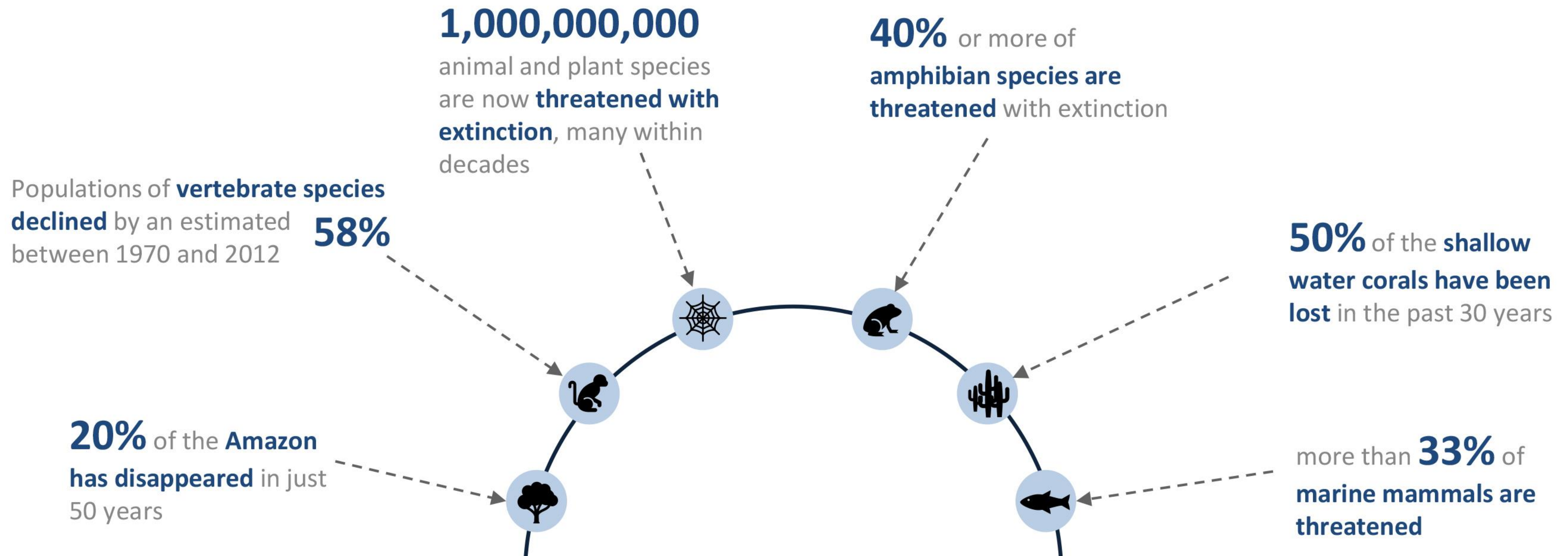
PHILIPS



CHINA ASSOCIATION OF CIRCULAR ECONOMY

# Nature **Emergency**

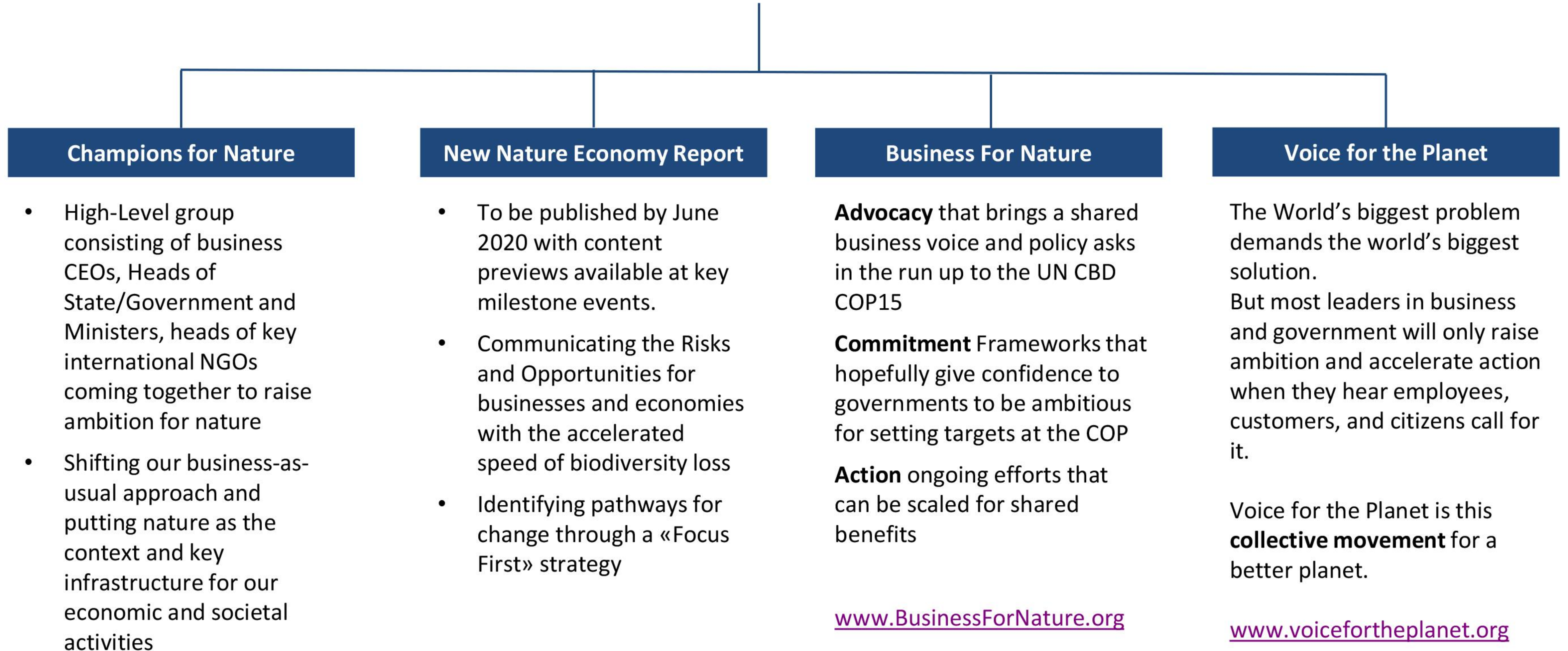
## Biodiversity degradation is occurring at an unprecedented rate



**Nature's dangerous decline is 'unprecedented', and the rate of species extinction is 'accelerating'**

# Nature Action Agenda

## A platform for public-private cooperation that aims to halt biodiversity loss by 2030





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Thank you

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