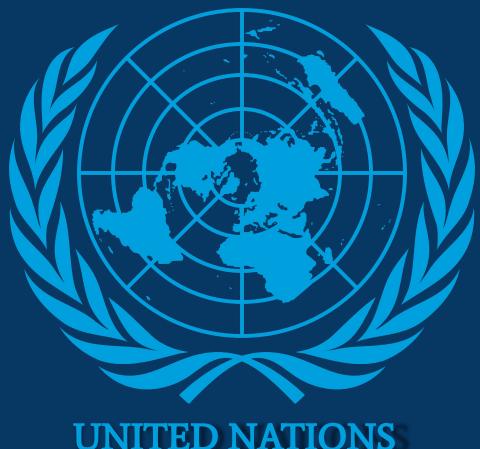
# **Ecosystem Classifier**

•••

- Stakeholder Presentation #2-11/04/2024

- 1. Our Organization
- 2. Goals & Success
- 3. Possible stakeholders
- 4. Key Problem & Solutions
  - 5. Progress

#### **Department for analyses and visualizations**



**UNITED NATIONS** 

#### Department for analyses and visualizations

#### Goals

- Guide governmental conservation efforts
- Raise awareness and understand the urgency of the biodiversity crisis due to climate change





# **Department for analyses and visualizations** User target NGOs, Research **Institutions & Governments** Environmental Scientists & Conservationists **Educators & Students**

### Key problem

Rising temperatures

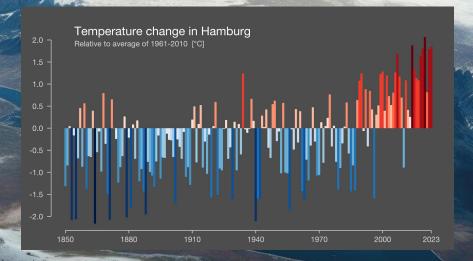
Increasing extinction rate

Loss of farmland

- Loss material resourcing
  - Soil erosion and loss of fertility

### Key problem

Rising temperatures





Great Green Wall Initiative (Africa)

#### Solution in numbers

## Great Green Wall Initiative

Start 2007

2030: 100.000.000 ha

2024: 20:000.000



Goal for 2030: 250 million tons CO2

# Progress

# Define the classifier

Ecosystem	Sı	
Artificial-Urban-Greenspace	10	
Artificial-Urban-Buildings	10	
Artificial-Agriculture-Plantation		
Artificial-Agriculture-Fields	1	
Artificial-Infrastructure-Roads	N	
Artificial-Infrastructure-Rails	N	
Natural-Forest-Boreal/Taiga	-1	
Natural-Forest-Temperate	0	
Natural-Forest-Tropical Moist Forest	20	
Natural-Forest-Tropical Wet Forest		
Natural-Grassland-Meadow		
Natural-Grassland-Steppe		
Natural-Grassland-Savanna		
Natural-Grassland-Swamp	15	
Natural-Desert-Hot	>	
Natural-Desert-Cold	<(	
Natural-Desert-Semi-arid	10	
Natural-Desert-Coastal	10	
Natural-Montane-Montane Forests	-5	
Natural-Montane-Alpine Tundra	<(	
Natural-Montane-Subalpine Zone	-5	

	Altitude (m)	Latitude (°)	Temperature Variation
	Attitude (m)	Latitude ( )	remperature variation
	<500	30-60	Low
	<500	30-60	Moderate
	<1000	0-60	Moderate
	<1000	0-60	Moderate
	NA	NA	NA
	NA	NA	NA
	0-1000	50-70	High
Brown	0-1000	30-50	Moderate
	0-500	0-10	Low
1	0-500	0-10	Low
	0-1000	30-60	Moderate
	0-1500	30-60	High
	0-1000	0-30	Moderate
wn	0-500	0-30	Low
	<500	0-30	High
	<1000	40-60	High
	0-1000	20-40	High
	<500	0-30	Moderate
Gray	>1000	30-60	High
	>2000	60-80	Extreme
	1500-2500	40-60	High

