Shaping urban development toward a sustainable future
AI for Earth

620 projects
90 countries

Increase access to cloud and AI technologies through grants
Provide education on cloud and AI and increase collaboration through our community
Fuel innovation through research and strategic partnerships
Scaling ecological insights

CONTRIBUTORS

Conservation Organizations
Data Scientists
App Developers
Academia, Research
Environmental Scientists
Startups & Companies

INFRASTRUCTURE

MODELS

DATASETS

APIs + APPS

CONSUMERS

Education
Citizen Scientists
Local Governments
Consumers
Policy & Advocacy
Business & Industry
Scaling applications

Classification
Forecasting
Planning
Attribution
Breeze Technologies

Applying AI to improve the accuracy of air quality measurements

10K air quality stations

1M+ datasets per sensor

13 air quality indicators
Implementing risk mitigation measures for sea level rise

Several coastal communities in San Mateo county in the San Francisco Bay area have inequity risks larger than 50%.

Bick, Ian Avery & Santiago Tate, Adrian & Serafin, Katherine & Miltenberger, Alex & Evans, Max & Ortalano, Leonard & Ouyang, Derek & Suckale, Jenny. (2020). Rising seas, rising inequity? Communities at risk in the San Francisco Bay Area and implications for adaptation policy.
World Resources Institute

Reducing urban heat by mapping surface reflectivity

US-wide open source model visualizing surface reflectivity of buildings and roads

Time series results for two urban areas: LA and Kansas City
THANK YOU