

ITUEvents

ITU Workshop on Artificial Intelligence for Natural Disaster Management (FG-AI4NDM)

*Nature can be disruptive;
so can technology*

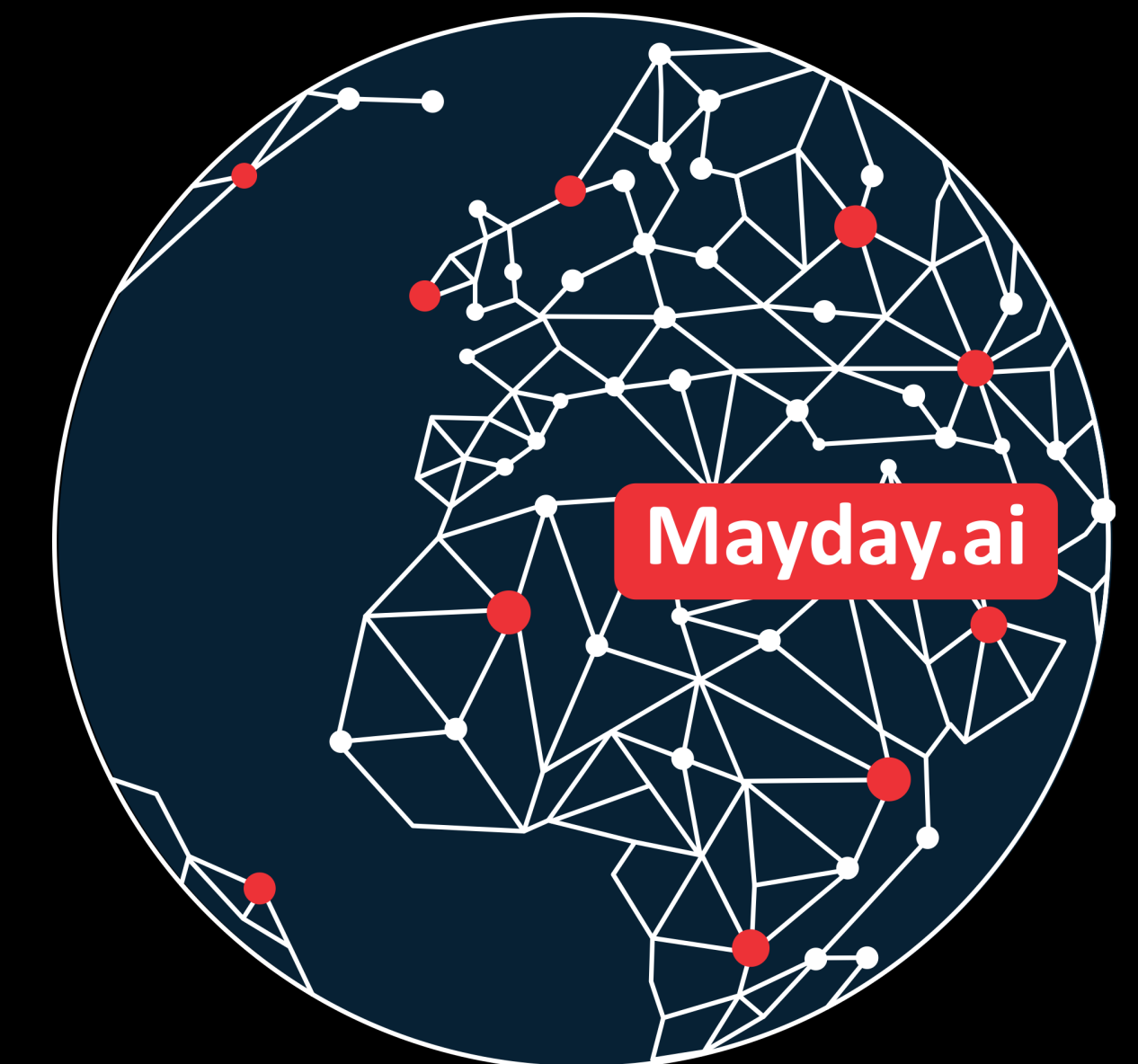
Athens, Greece
24 October 2022

<http://itu.int/go/AI4NDM-05>

Hosted by:



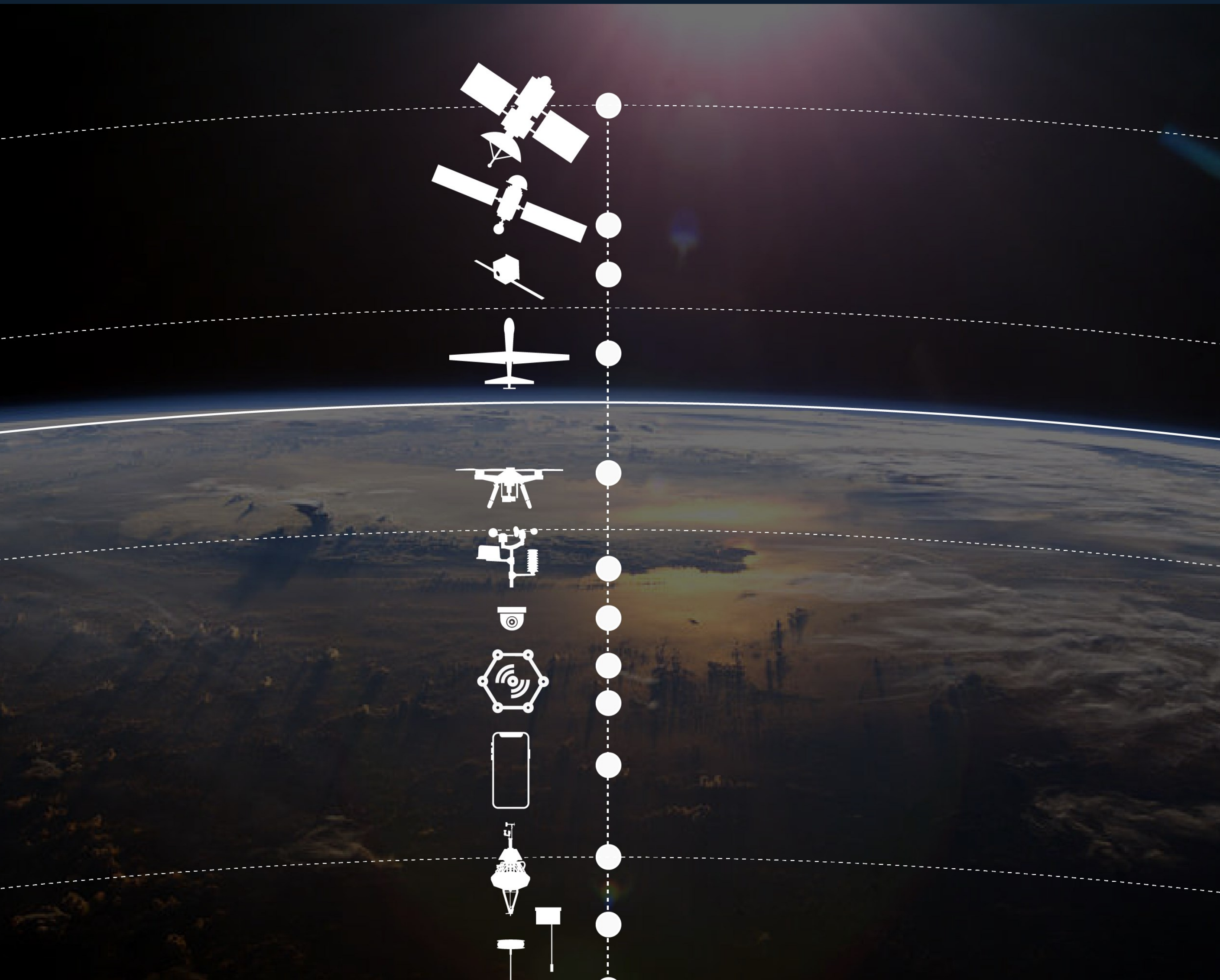
Organized by:



Speaker : Kian Mirshahi, CEO

Mayday.ai

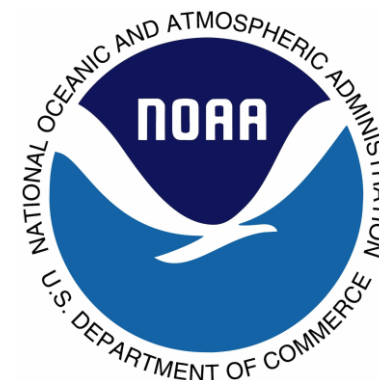
Global Risks, Disasters
& Environmental Intelligence

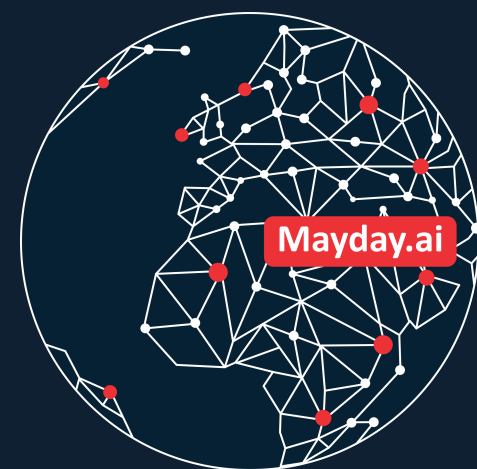


Mayday.ai

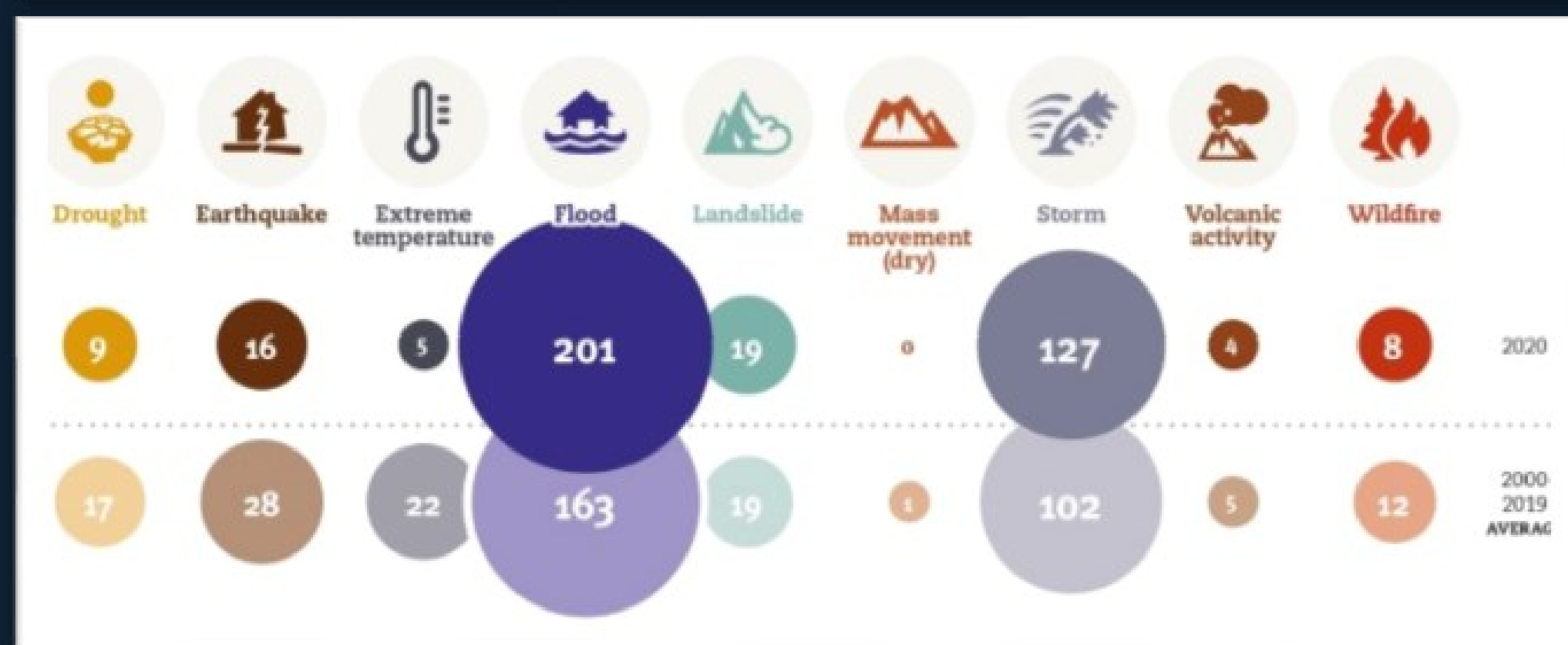
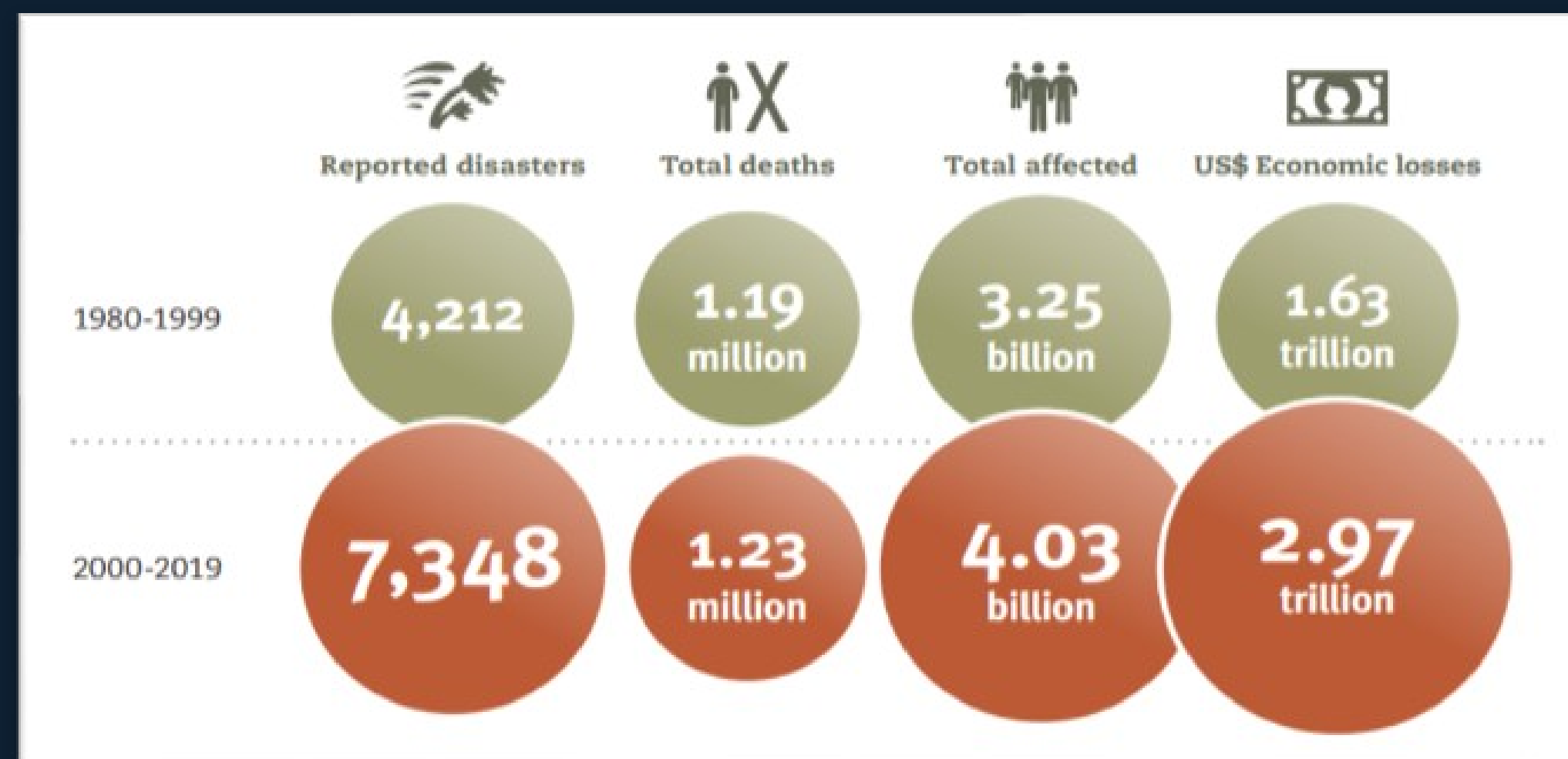
Global Risks, Disasters
& Environmental Intelligence

Our Innovations Are Recognized & Supported By:





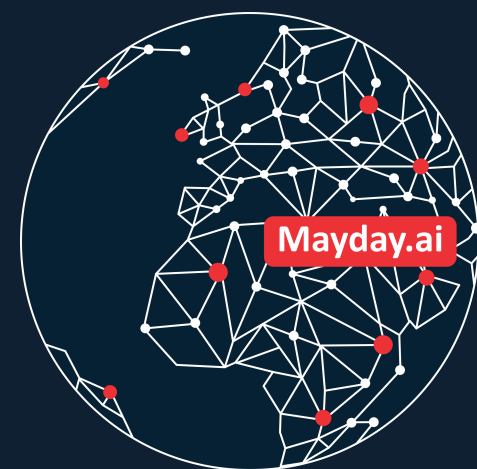
Challenges in Global Risks & Disaster Management



Climate Change Shock: Extreme, Random, & Unmanageable Events



Fragmented Ecosystems | Costly & Disparate Technologies | Reactive Culture | Intelligence Gaps

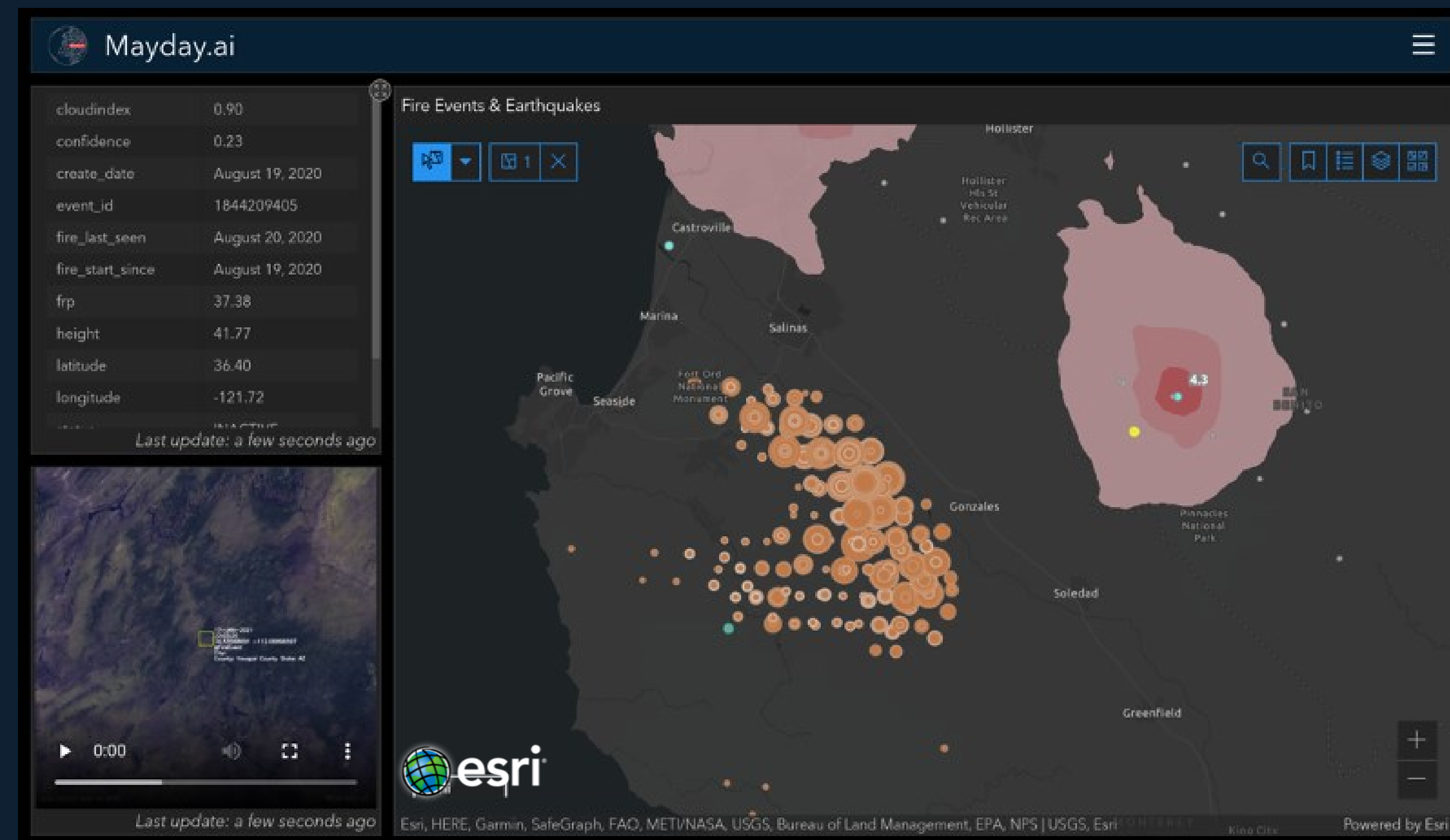


Our Solutions

Early Warning & Full Event Intelligence Platforms



Multi Lingual Universal Community Hubs
(Full Disaster Life Cycles for 21 Types)



Web & Mobile Solutions with on Demand Layers of Service

Centralized | Community Centric Hubs | Cost Effective | Intuitive | Unprecedented Visibility



Core Technology: Data Agnostic AI Fusion Engine for Event Intelligence

300.

GEO + LEO SATELLITES

Concurrent Scan & Detect Technology

Partial Cloud Event Detection

Enhanced Lightning Mapper

Global GEO Update: 5-10 Minutes

Global LEO Update: 12 Visits Per Day

SAR + LiDAR

35000.

AI ENABLED CAMERAS

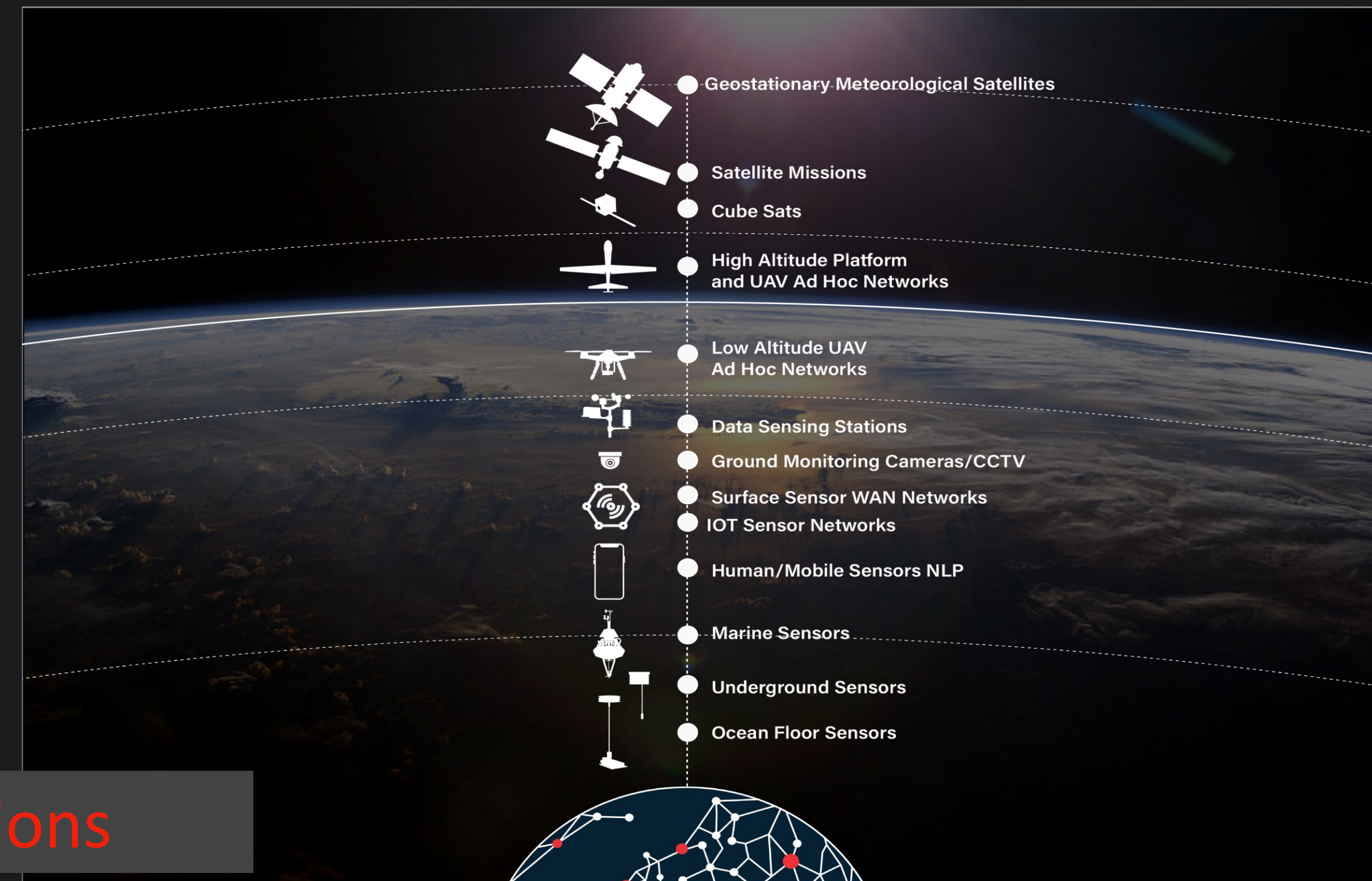
Traffic

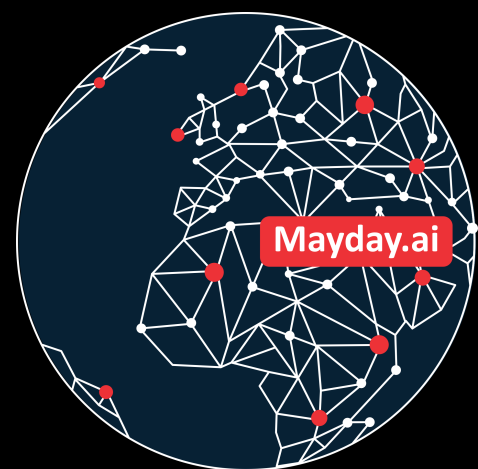
Infrared

Natural Multilingual Sentiment Analysis

Text + Audio

Pioneering & Unique Innovations





Our Value Differentiation

Cost Effective.

intuitive design
low-maintenance

Scalable.

data source agnostic through
established partnerships

Accessible.

Democratized across the ecosystem via ESRI
with a common operating picture



WEATHER
REAL-TIME DATA



SATELLITE
MONITORING



CAMERAS
AI ENABLED CAMERAS



**UNMANNED AIRCRAFT
SYSTEMS (UAS)**
DEPLOYABLE COMMS



SOCIAL MEDIA
REAL-TIME SENTIMENT



CUSTOM LAYERS
BY INDUSTRY AND SECTOR



Demo



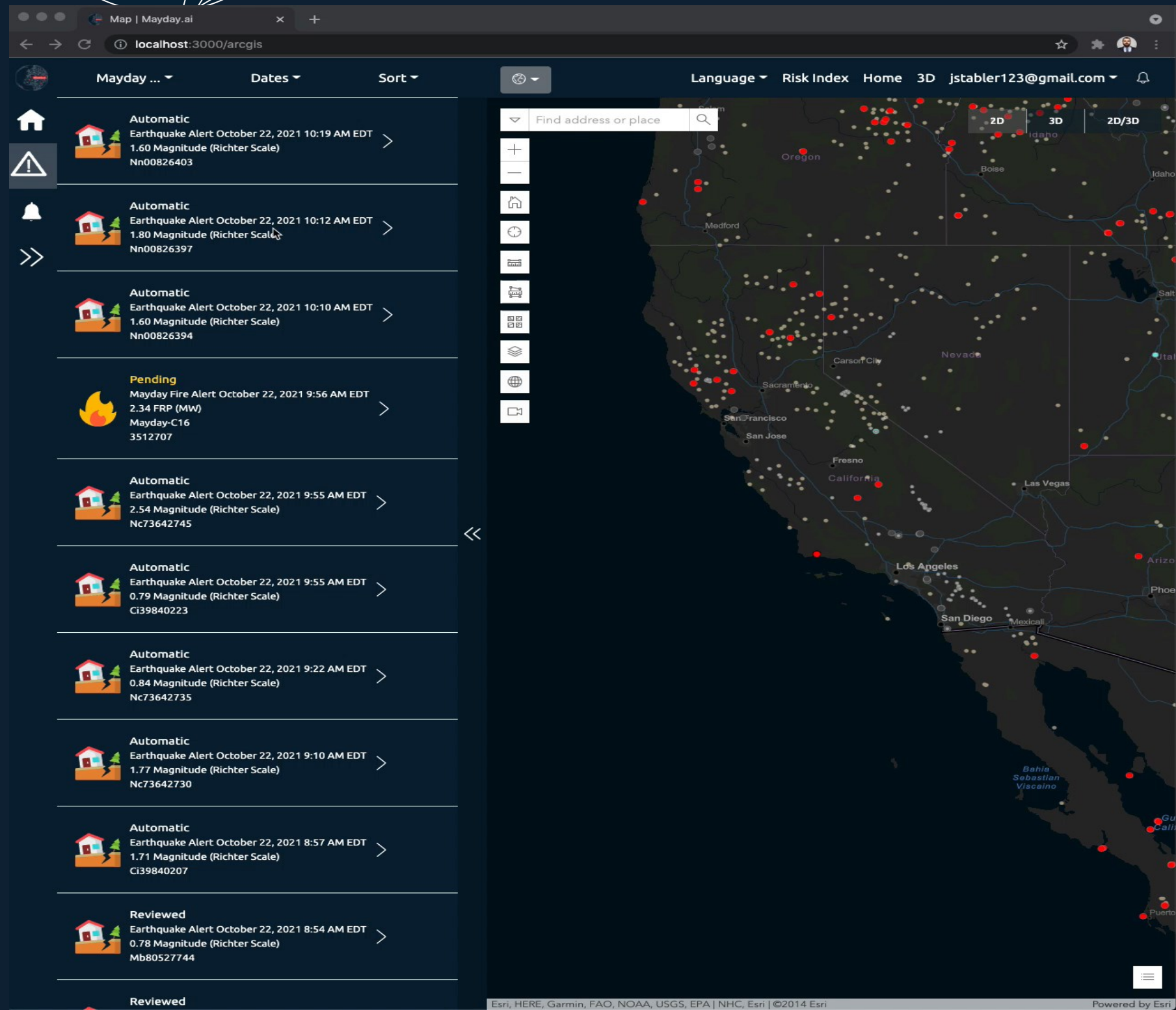
Featured:

The Chilean Air Force (La Fuerza Aérea de Chile) will be using Maydays multi disaster hub from January 2023, in order to have full visibility on all the event in the country real time, notify and gather intra agency intelligence, and share the information with the affected population throughout events. In addition, the manned and unmanned aircrafts can stream their video feed with rapid FMV technology with seamless integration to this centralized hub. This is a multi lingual and universal capability which is easily configured and will be integrated with the community pulse features, in addition to the demographic reporting and monitoring layer showcased in the video. In addition, historical event data points are available for reference.



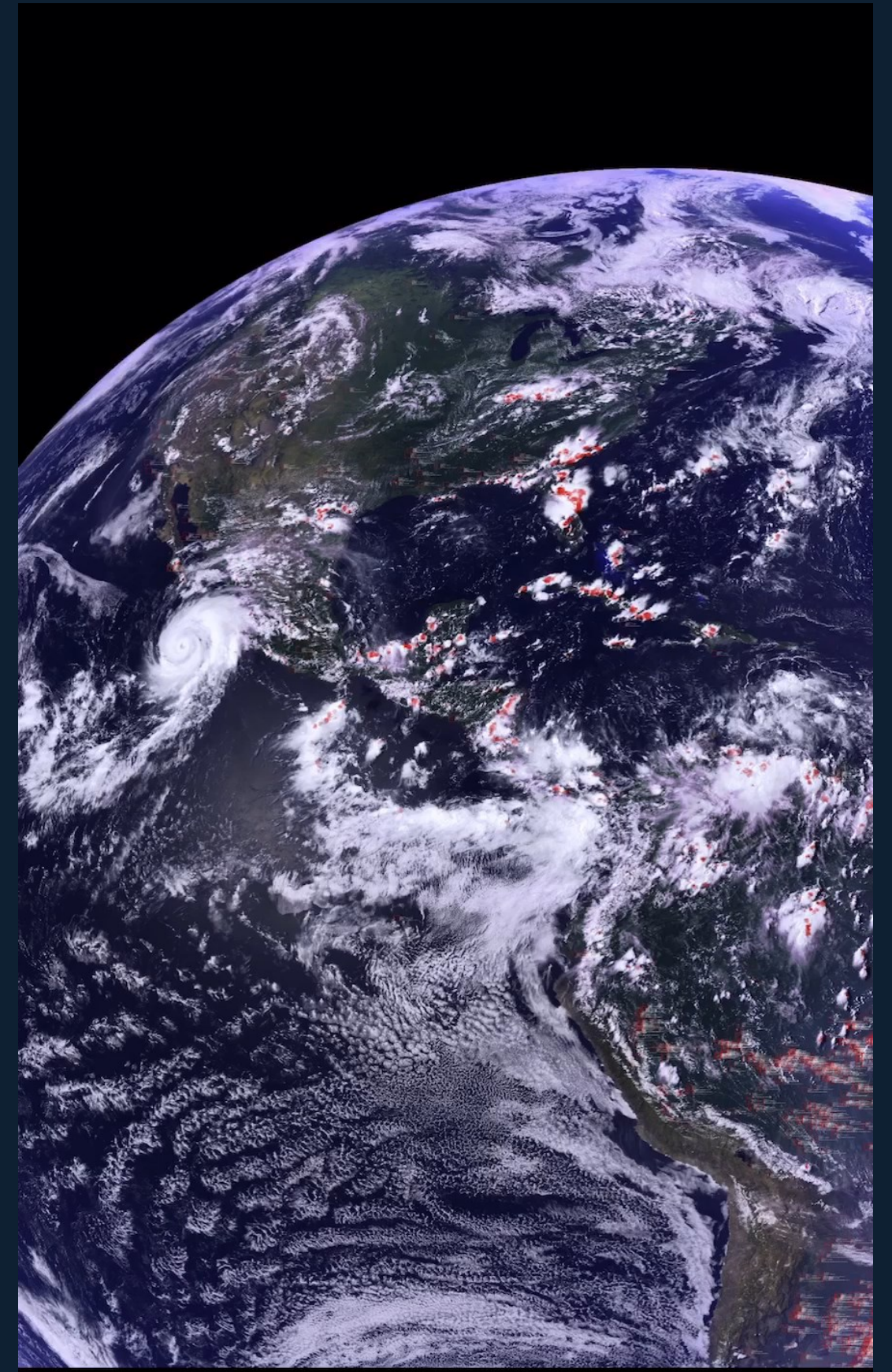
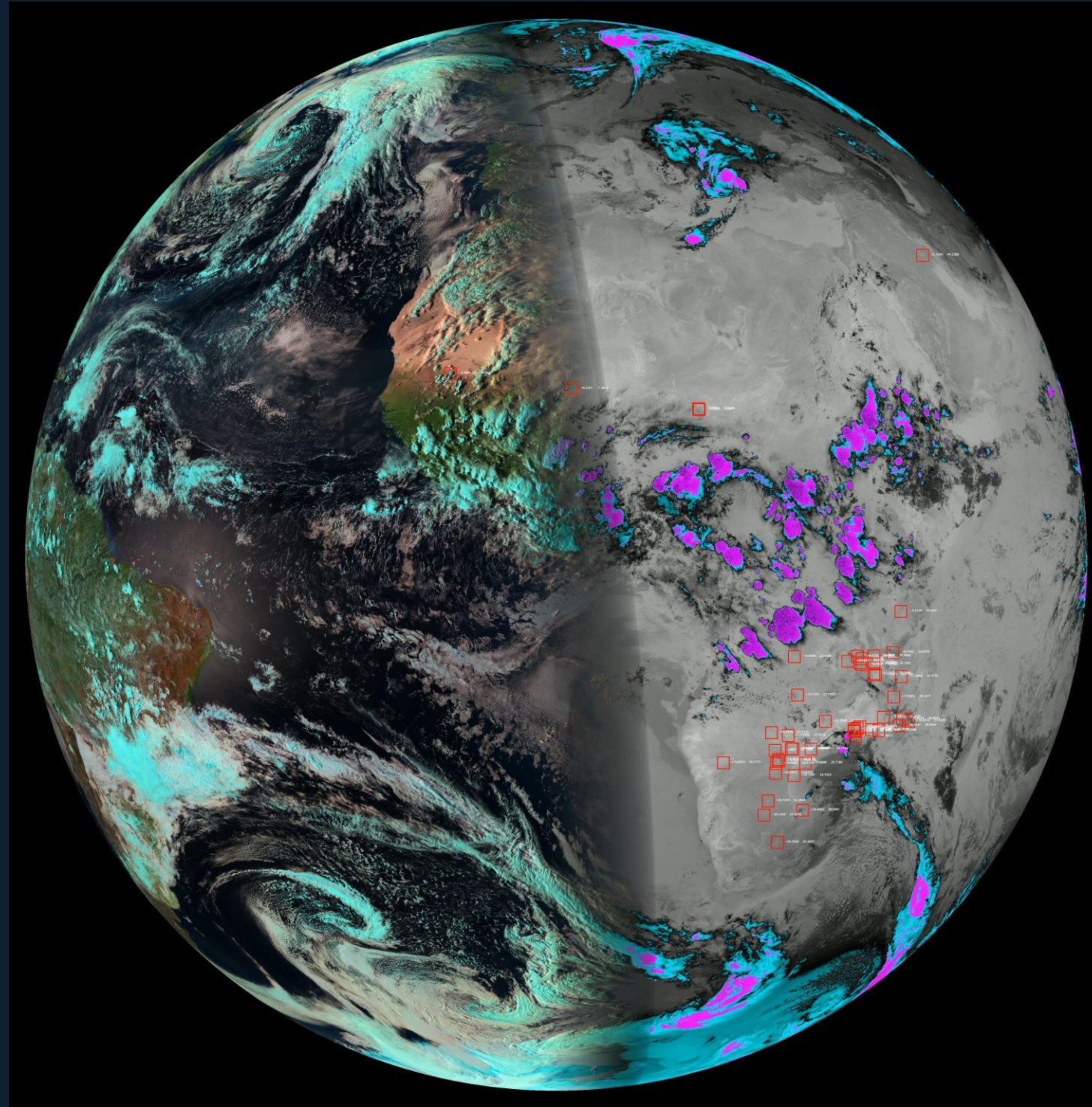


Demo



Featured:

Our partner overwatch Aero has been using Maydays rapid services (every 5 minutes) in the US for its drone support services with the USFS. In this video, the Alisal Fire was detected 15 minutes before the first 911 call. This web based demo depicts a multi-sensor fusion, with FMV technology Premium services. A similar capability is being used by our partners in Australia, Brazil, Chile for 21 disaster types.



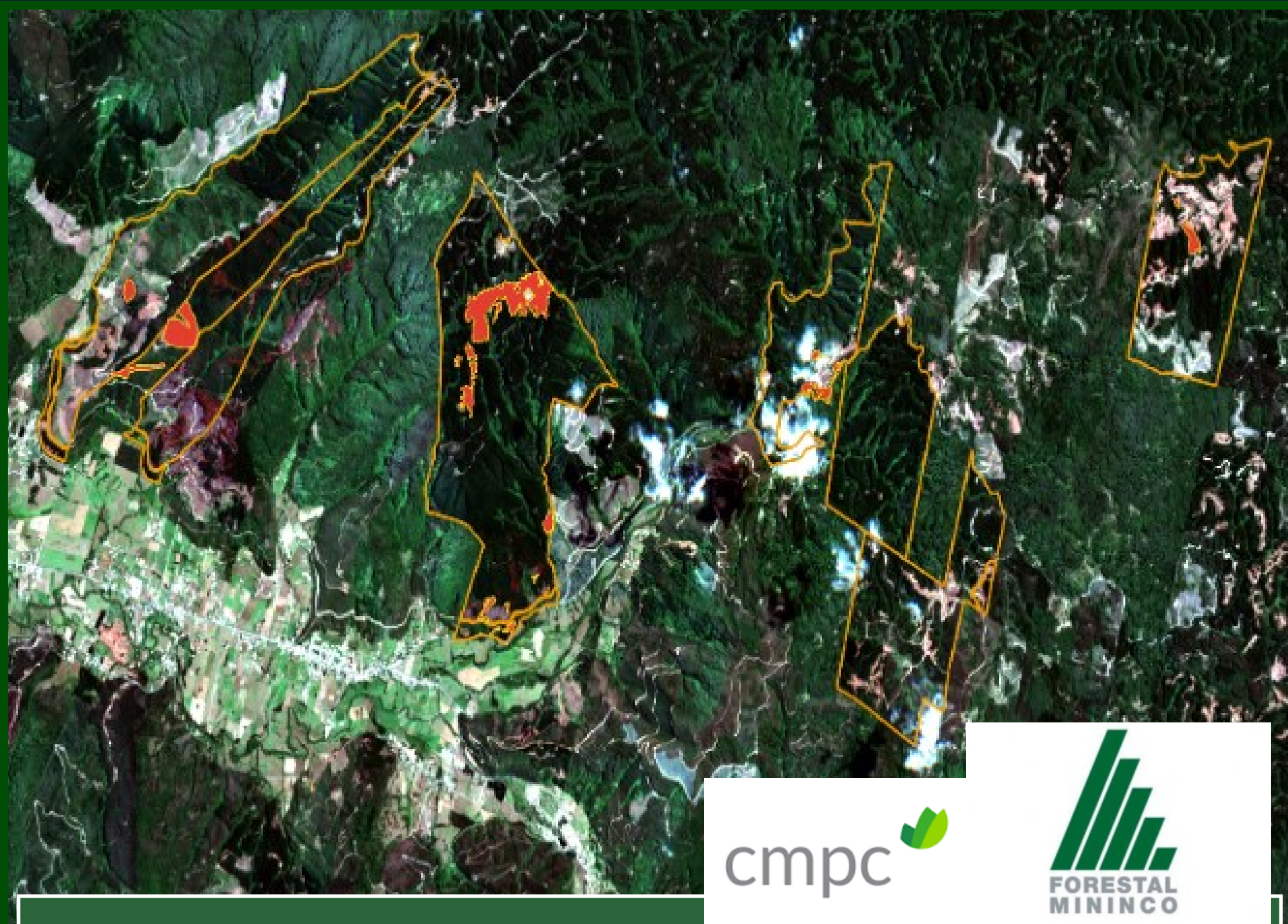
Featured:

Maydays AI fusion engine is fed with over 300 satellite sensors in the geostationary and lower earth orbits. The video above shows two geostationary satellites detecting events in Americas every 5-10 minutes leveraging various artificial intelligence based innovations which allow Mayday to detect events at a sub-pixel level, with surgical accuracy and through partial clouds via Maydays clear sky technology. As it can be observed many fires are seen in the early stages globally (first 15 minutes). Mayday's fire layer consistently sees fire events globally within their first 15 minutes of inception.



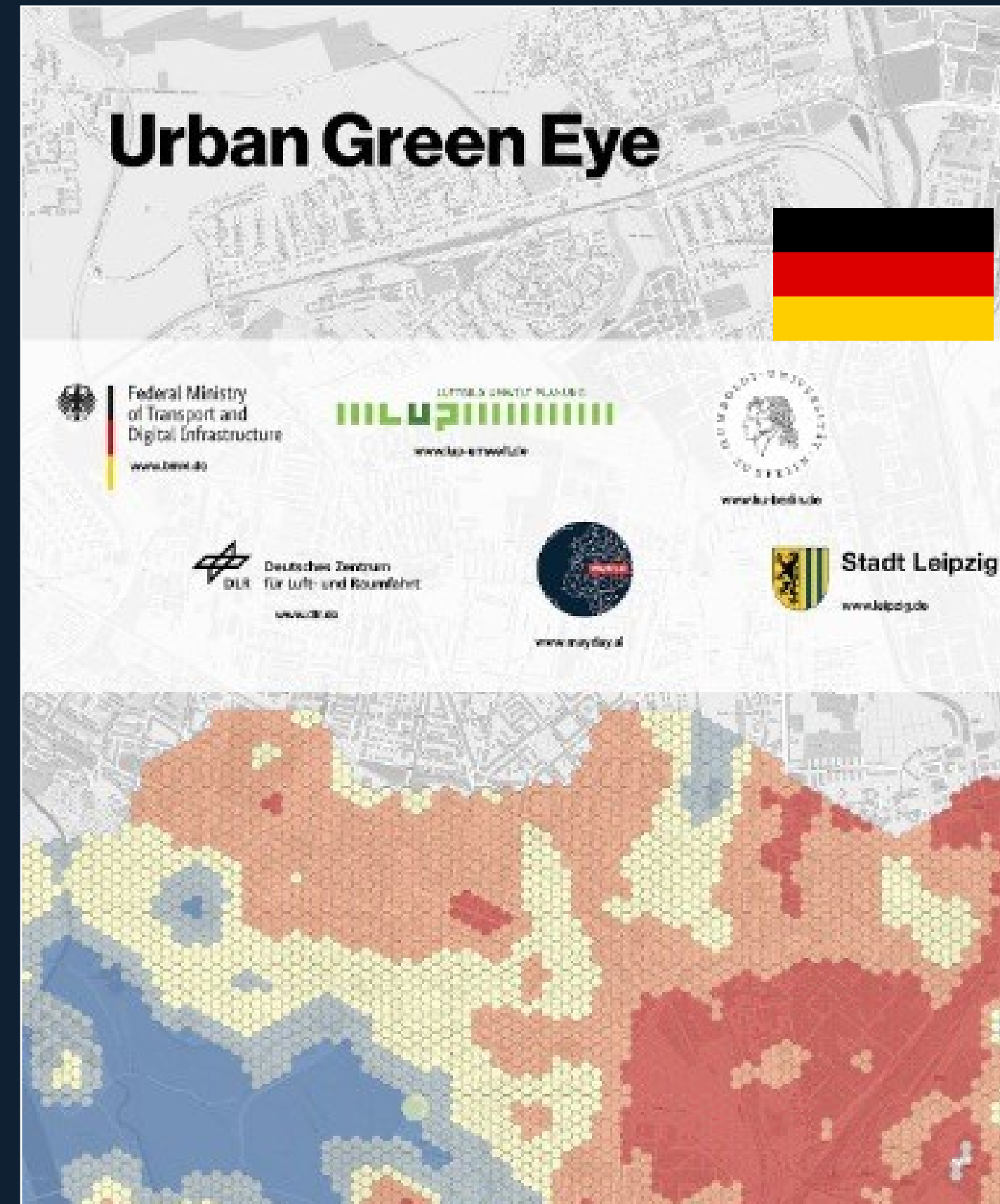
Additional Solutions

Environmental Services



Featured:

Forestal Mininco & CMPC rely on Mayday's logging monitoring, and wildfire services to monitor over 650 million hectares of forestry patrimony in Chile and Brazil. During this multi year agreement, we are proud to provide the fastest wildfire risk, detection, and monitoring services in the industry, as well as illegal logging monitoring on demand with many innovative sensor fusion capabilities, and industry first approaches.



Featured:

Mayday is a proud technology partner in the Urban Green Eye Projects which aims to map and provide a green infrastructure based solution to counter heatwaves, for 10 cities in Germany.

Land & Water Guardian

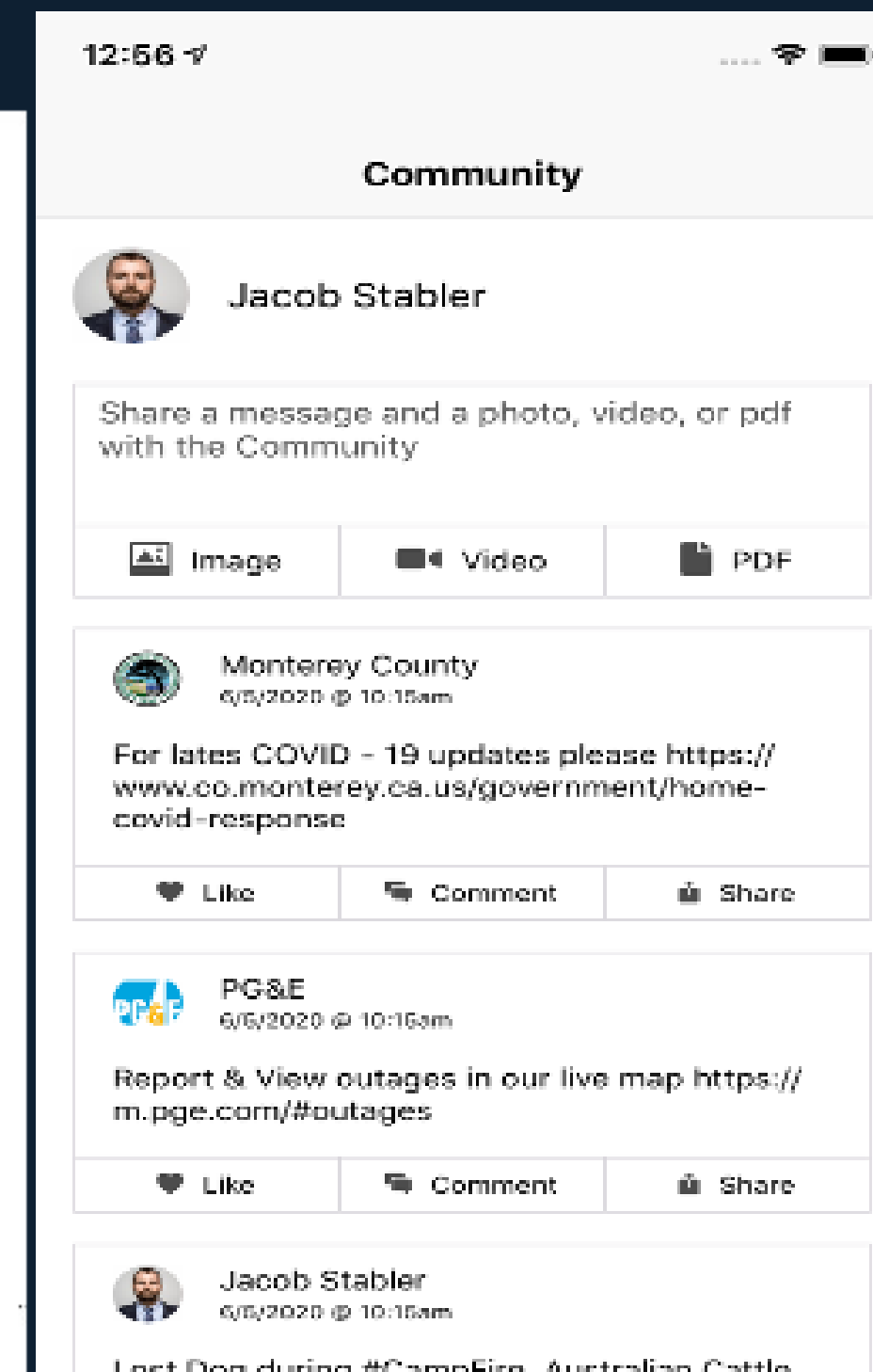
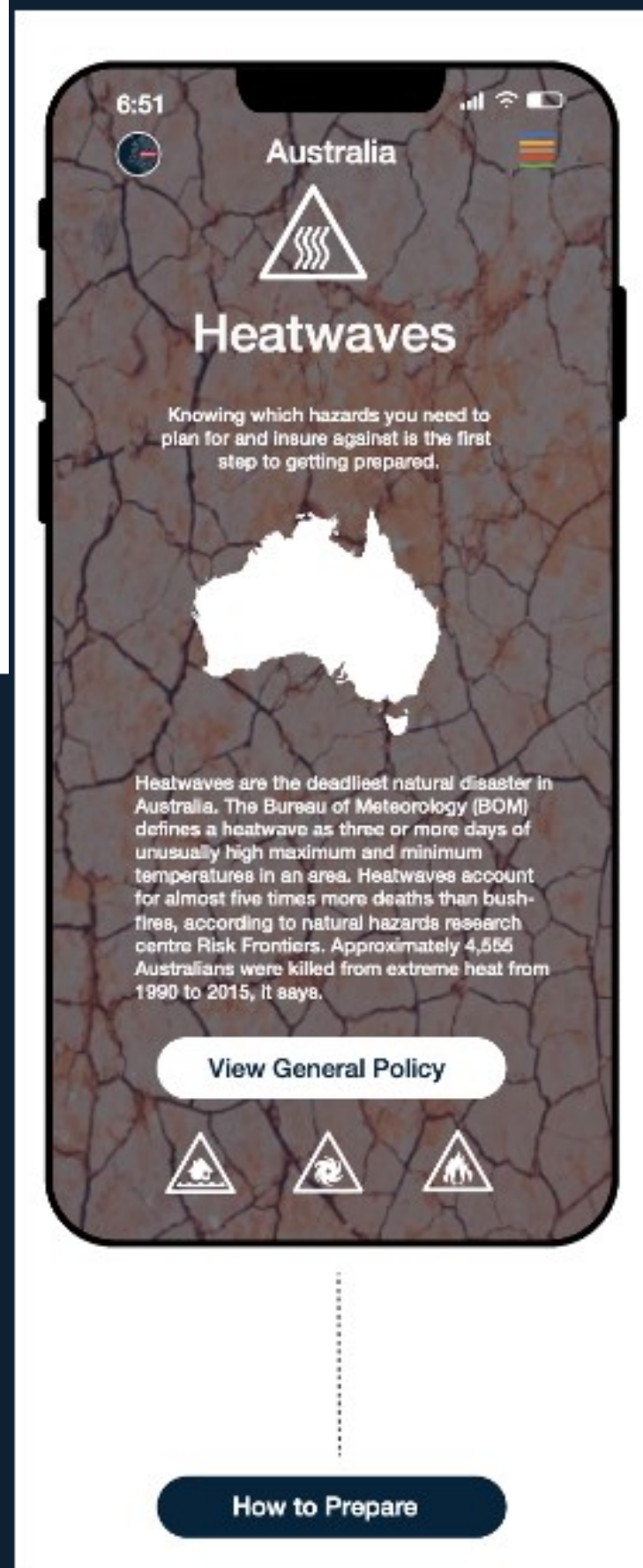
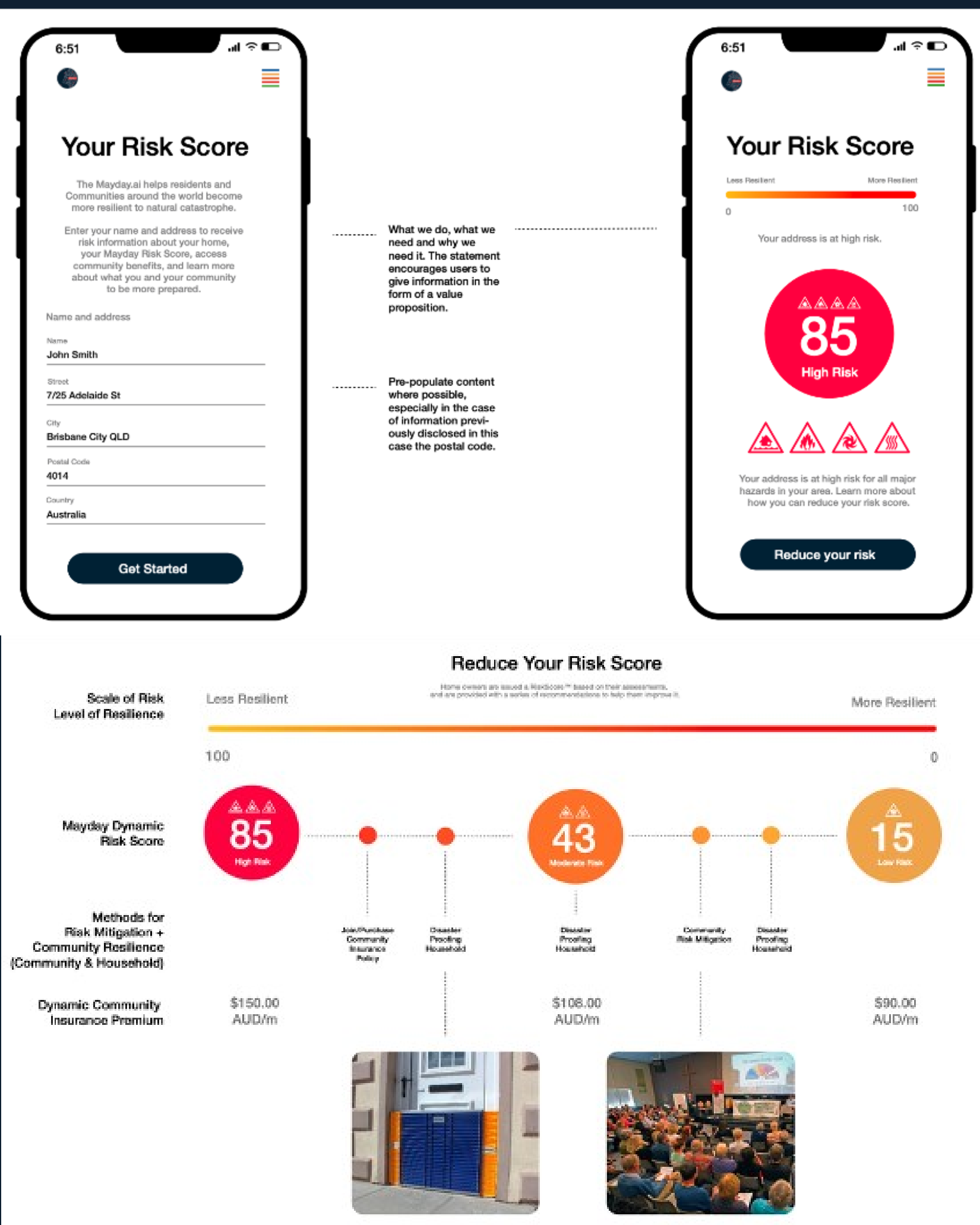
- Global Urban & Wild land Monitoring (Multi Sensor & AI Based Automation)
- Green Infrastructure Advisory for Climate Change Resiliency (Recent contributor to EARSC position paper on the Green Deal for the EU Commission)

Additional Land and Water Based Services to be released in Q3 - 2023



Additional Solutions

Community & Citizen Services



Citizen Aware & Community Pulse

- ⦿ Citizen Aware App
- ⦿ Historical Risk (Postal, Zip, Parcel)
- ⦿ Risk Reduction (Individual + Community)
- ⦿ Two Way Community Risk Feed (Community Pulse: Zip or Postal Code)
- ⦿ Dynamic Risk Notification (5 locations) + Check In Services
- ⦿ Insurance Claims Filing + Policy Holder Inbox
- ⦿ Claim Reimbursements

2023 Release

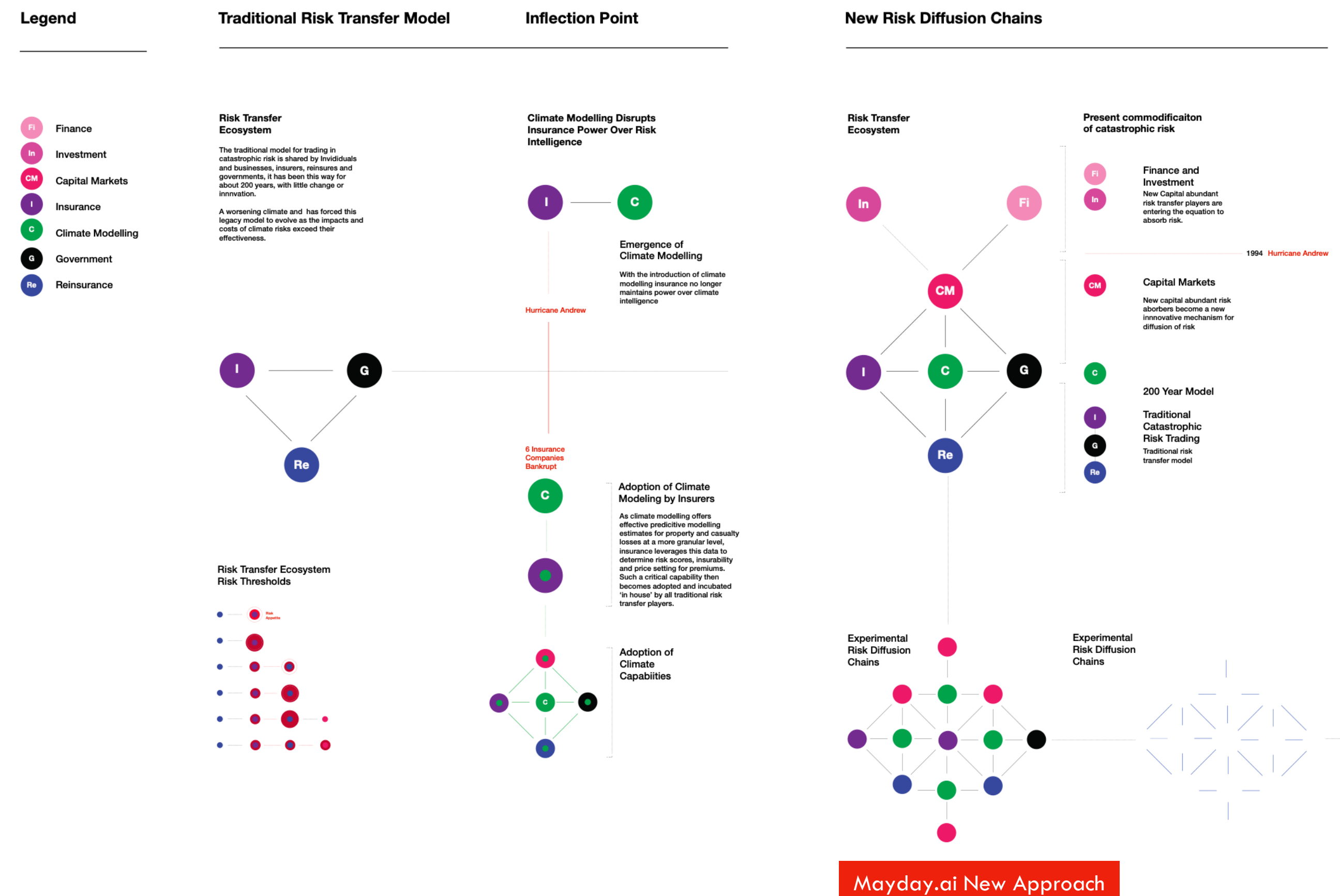
Select Countries & Pilot Communities



Additional Solutions

Disruptive Insurance Services

Catastrophic Risk Diffusion Evolution



Community Centric Insurance Services

- ⦿ Innovations in Risk Modeling
- ⦿ Introduction of Risk Diffusion Equilibriums
- ⦿ Community Based Insurance Models
- ⦿ Game Theory Hypothesis “rethink” around Multi player & Multi Winner Scenarios
- ⦿ Insurance Claims Filing + Processing + Policy Holder Inbox
- ⦿ Claim Reimbursements

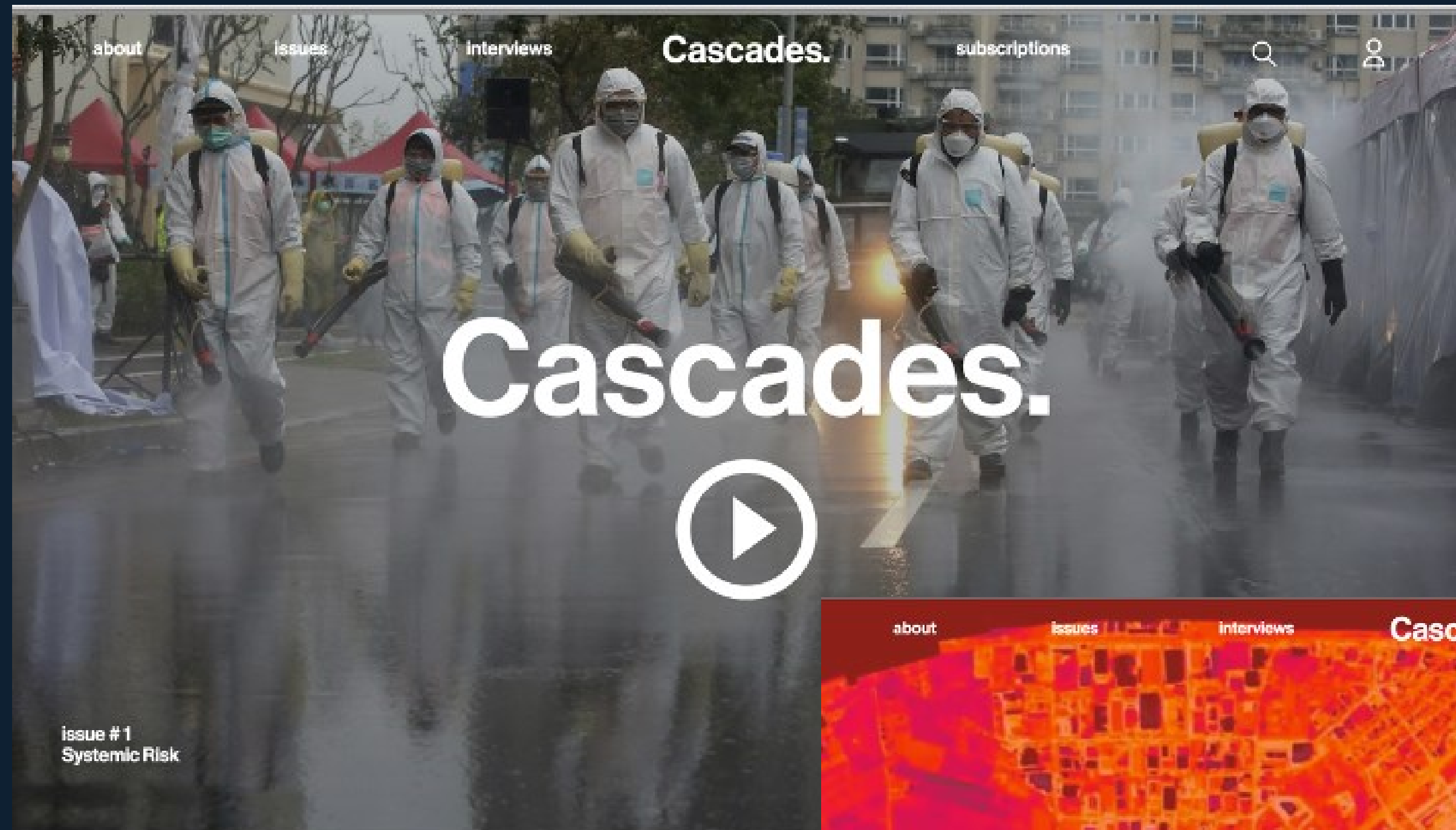
2023 Release

Select Countries & Pilot Communities



Additional Solutions

Digital Media



CASCADES MAGAZINE

- ◎ Global Risks & Disasters Thought Leadership
- ◎ Featured Best Practices & Country Profiles
- ◎ Monthly Podcasts with SMEs & Innovators
- ◎ SENDAI & UN SDGs Focus
- ◎ Digital Monthly Publication



2023 Release



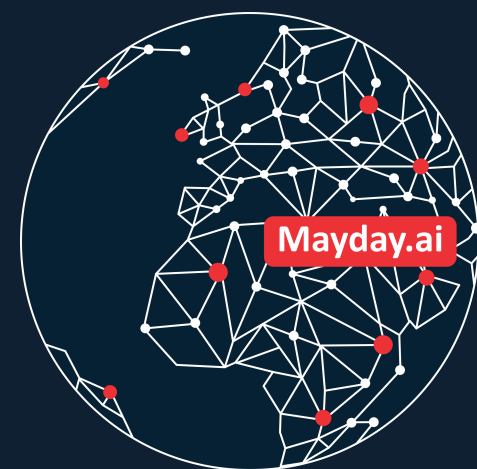
Our Services

24/7 Operations + Tactical Ground and Air Sensors



360 Multi Layer Visibility

- ⦿ Live Agent, Email, WhatsApp Support
- ⦿ EDGE AI Camera Installation and Integration
(Partner Based)
- ⦿ Manned & Unmanned Aircraft Integration
(Joint Product Developed with Jagwire FMV with
L3 Harris Geospatial)
- ⦿ Drone Support on Demand (Partner Based)
- ⦿ USA, GERMANY, CHILE, AUSTRALIA Centers
(Onsite + Remote Teams)



Highly Impactful Value Offering

Recognized Globally for Societal Value, and Unique Innovations

- ⦿ A prime example of AI for good
- ⦿ Addressing 10 UN SDG goals, Mayday listed amongst the most impactful tools by EARSC
- ⦿ Recognition by the UNDRR – platform directly supporting the implementation of the Sendai Framework (Invited to present in many events)
- ⦿ UNOOSA/UN-SPIDER featured Mayday among the most innovative tools on the market



GLOBAL PLATFORM FOR DISASTER RISK REDUCTION | INDONESIA 23-28 MAY 2022

ABOUT PRACTICAL INFORMATION PROGRAMME HELP NEWSROOM ACCESSIBILITY

Home > Conference Event > Real Time Global Disaster & Risk Intelligence Powered By Agnostic AI Fusion Engine

Real time global disaster & risk intelligence powered by agnostic AI fusion engine

SDGs and climate action

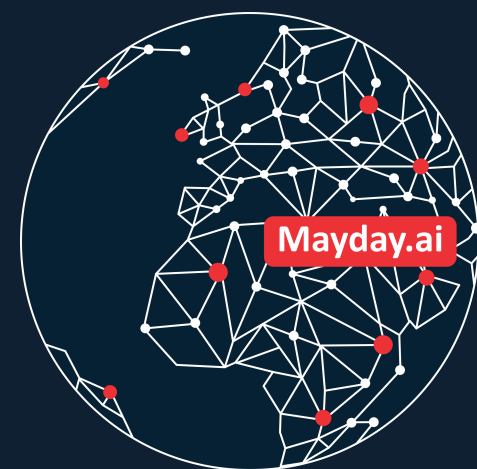
This session presents the latest technological approaches which allow countries and organisations to become Sendai-ready. Mayday would like to showcase how they have implemented these concepts in concrete applications, like the Mayday.ai platform, providing real-time risk and disaster management covering all geographical regions, multiple disasters and all phases of the disaster cycle. This includes dynamic risk monitoring at the parcel level. This presentation highlights practical cases and shows how Mayday are effectively implementing the approach with local authorities (e.g. in Germany, Chile) and other selected international organisations.

Agenda
26 May 2022
14:30 - 14:45 (Bali UTC+8)

Location
Taman Jepun
BNDCC 1-Ground Floor

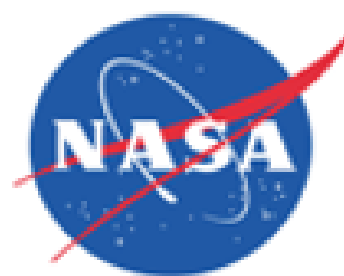
Participation
Open to those registered for the conference

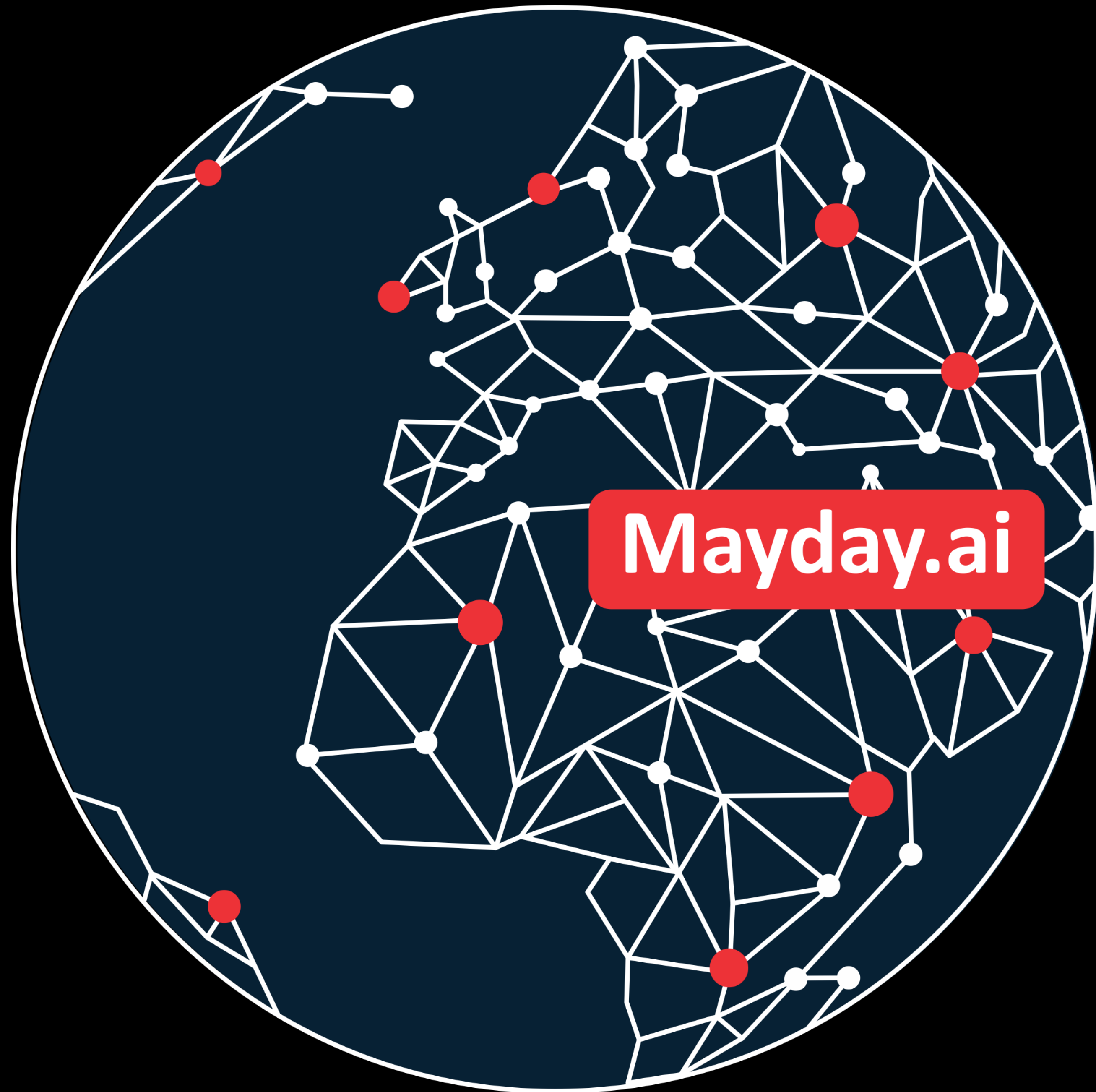




Global Ecosystem

Partners & Providers





Thank You!

Ευχαριστώ

