PLANETTE

Forecasting Tomorrow, Empowering Today

We enable businesses across verticals to make proactive, informed decisions for a sustainable future, through science-informed, AI-accelerated seasonal and year-ahead forecasts for key environmental variables.

The Founding Team

Dr. Hansi Singh, CEO

Professor of physical climate science, University of Victoria.

US Department of Energy Office of Science fellow and awardee.

Specialist in Earth system modelling and high performance computing.

Working group co-chair, Community Earth System Model, funded by the NSF.

Dr. Kalai Ramea, CTO

Former technical director at Xerox PARC, AI for sciences.

Specialist in AI/ML, geospatial analytics, and remote sensing.

Seven patents in AI/ML algorithms and workflows spanning multiple verticals.

Experienced in the development & deployment of award-winning early-stage AI products.

Climate Change is Here

Losses to lives and livelihoods are mounting.

Climate hazards are on the rise, and businesses will need to adapt to survive.

But resources for adaptation are limited. And it’s not clear how to deploy these resources strategically, especially when companies only have access to 30-year climate change projections.

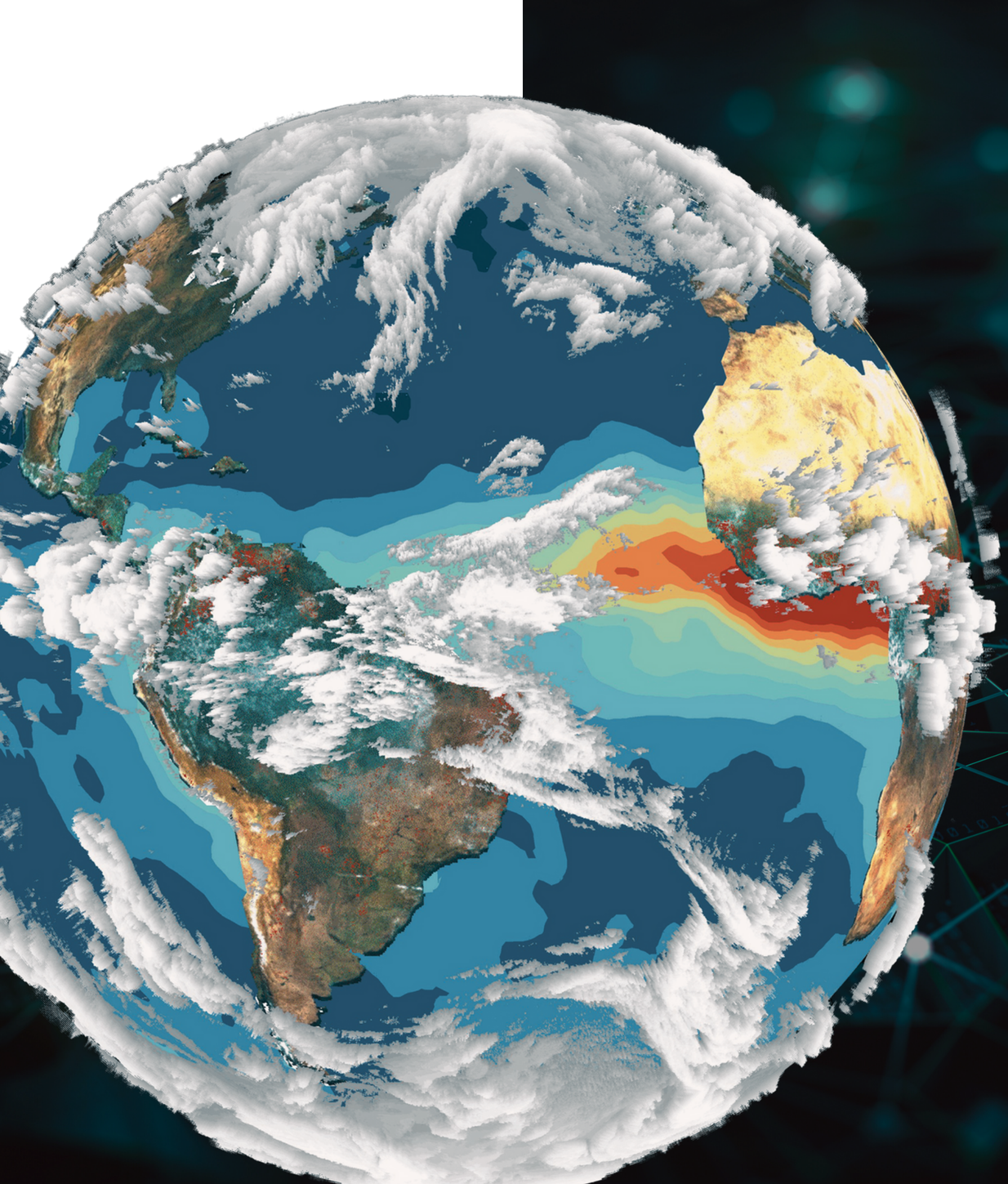
We Enable Climate Adaptation through Forecast Intelligence

Providing Insight into Climate Conditions Early, a Season, a Year, up to 5 Years Ahead

Our forecasts provide insights on critical environmental conditions, including extreme weather risks, with year-to-year granularity, at 25-km resolution over the globe.

Empowering Businesses to Take Adaptive Action, Season by Season, Year by Year

Our forecasts allow businesses to make data-driven decisions for any climate future, including what resources to allocate, how to plan operations, and when to transfer risk.



State of the Art Forecasts Powered by Science and AI

We turn chaotic weather patterns into actionable insights.

Proprietary Data

Our forecasts come from the latest high-resolution physics-based models of the Earth's climate system.

Proprietary Algorithms

Our AI-enhanced patent-pending workflow incorporates both physics-based models and remote sensing observations, accelerating forecast production and boosting predictive skill.

Helping Businesses and Communities Thrive in any Climate Future

If you knew what the future held, what would you do for your business today?

Case Study 1

Oysters aren’t as resilient as their human caretakers.

Oyster farmers lose millions in harvest revenue when ocean waters are too warm or too fresh. Skilled forecasts of ocean temperatures and sea water salinity, 3 to 6 months ahead of time, allow farmers to adjust growing conditions so both oysters and oyster farms can thrive.

Case Study 2

Critical projects can be derailed.

The global transition to renewable energy requires an unprecedented investment in new infrastructure. But weather extremes, like severe convective storms and hurricanes, cause millions in damages to work sites and delay project completion. Skilled forecasts of extreme weather risks a year ahead give construction companies time to plan how to secure large work sites, well ahead of storms.

Case Study 3

The future health of our cities hangs in the balance.

Summer heatwaves are increasingly common across our cities worldwide. Daily high temperatures in Pheonix, Arizona exceeded 110F for over six weeks last summer. And with increasing heat comes the rising risk of deadly power outages due to high energy demand that exceeds grid energy supply. Skilled forecasts of energy production and demand, a season or a year ahead, can help utilities load balance the grid, prevent blackouts, and keep a city's residents cool.

A Cross-Vertical Solution for Climate Adaptation

Our forecasts are a foundational intelligence layer for environmental resilience across sectors and industries.


Energy


Insurance


Aquaculture


Consulting


Trading


Logistics


Agriculture


Construction


Real Estate


Finance

Disaster Preparation


Big Box Retail

We are Building Traction Across Verticals

Real Estate

Year-ahead forecasts allow real estate portfolio holders to plan for utility expenditures, insurance coverage, and climate retrofitting.

Energy

Year-ahead forecasts of energy production and demand allow utilities to balance load and ensure the continuing reliability of the grid.

Trading

Season-ahead and year-ahead forecasts give options traders a boost in assessing upcoming trends in derivatives and futures markets.

Aquaculture

Seasonal forecasts allow caretakers to create optimal growing conditions for fish and shellfish, ensuring continued healthy harvests.

Insurance

Longer range forecasts, up to five years into the future, help companies design new products, underwrite policies effectively, and manage risk.

Disaster Preparation

Season-ahead and year-ahead forecasts give governmental and non-governmental organizations the intelligence to gather and distribute resources for upcoming hazards.

Supporting Climate Adaptation is a Venture-Scale Market Opportunity

The Climate Adaptation Market

$1T now

($2T by 2030)

TAM

Global Risk Analytics Market

$50B now

($100B by 2030)

SAM

Climate Risk Analytics Market

(open economies only)

$25B now

($50B by 2030)

SOM

1% Early Market Penetration of SAM

$250M ARR

Strategic Roadmap

Ideation
May 2022

Incorporation
Sept 2022

W-Venture
Incubation
Oct 2022

Ocean Startup
Challenge Grant
Nov 2022

Begin Customer
Discovery
Dec 2022

>10 LOIs
3 Pilots
By Jan 2024

1st Hindcast MVP
Launch
Dec 2023

Los Angeles
Cleantech Incubation
Nov 2023 - Oct 2025

Techstars Seattle
Acceleration
Oct 2023 - Jan 2024

First Design
Partnership
Jun 2023

Techstars
Demo Day
Jan 2024

Pre-Seed
Fundraise
Feb 2024

1st Forecast MVP
Launch
Mar 2024

2nd Hindcast MVP
Launch
Dec 2024

2nd Forecast MVP
Launch
Jun 2025

Our Ask

Join us, and help build the critical intelligence needed for climate change adaptation around the world.

Pre-Seed Funding Round

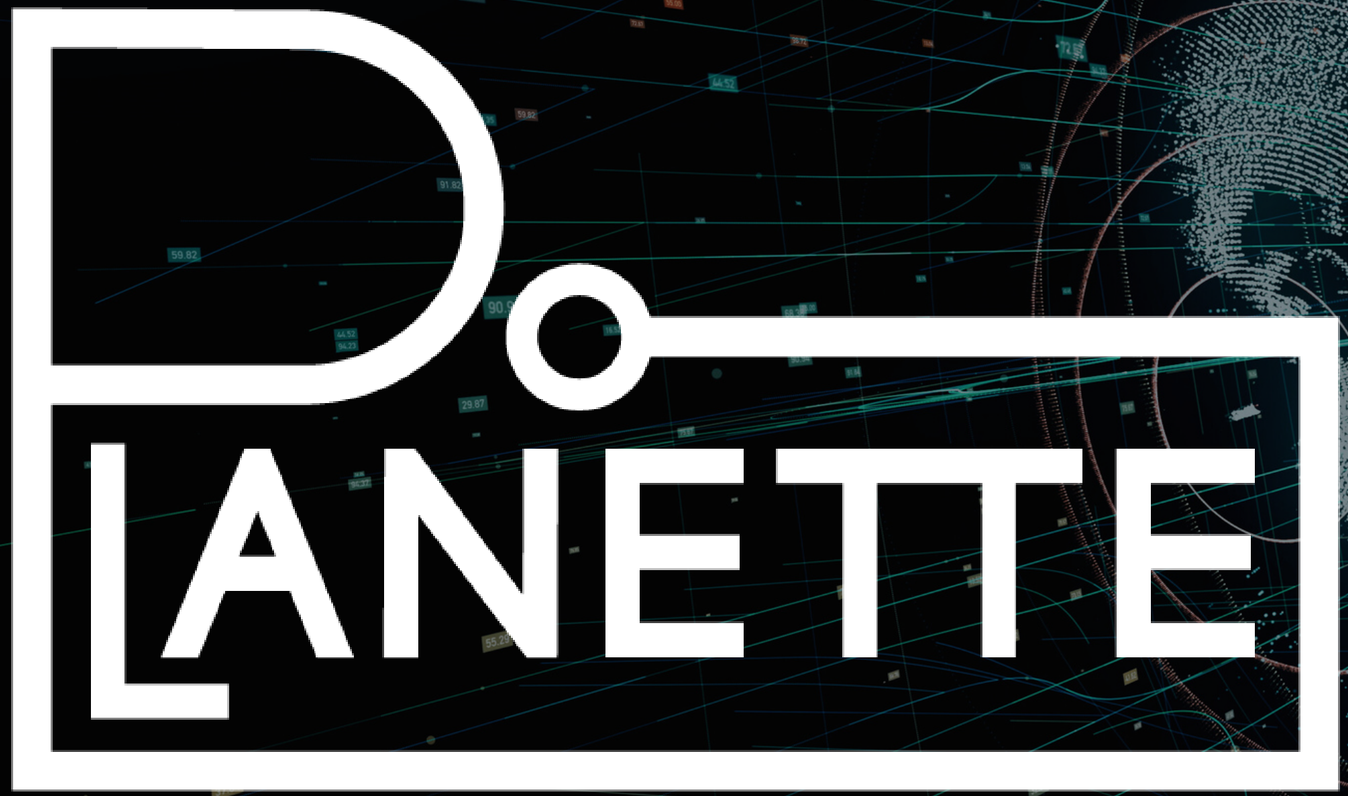
$1.25M

18 months of runway for achieving the following metrics:

- >$1M ARR
- 2 Patents Issued
- 2 Rounds of Forecast Products Built and Launched

Get in Touch, Learn More

info@planette.ai
https://www.planette.ai



Appendix

Our Business Model

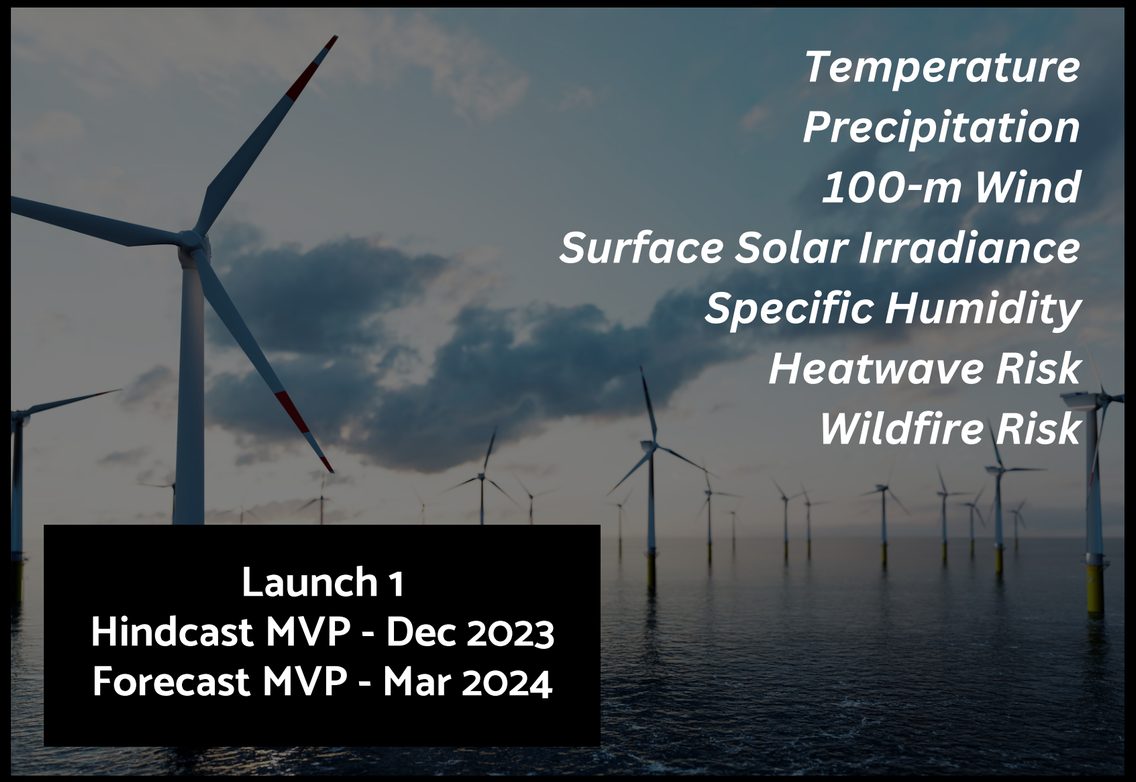
01 A B2B data API solution

02 Pay-per-location-per year recurring subscription structure

03 Activation offer: up to 100 locations for $10K for the first year

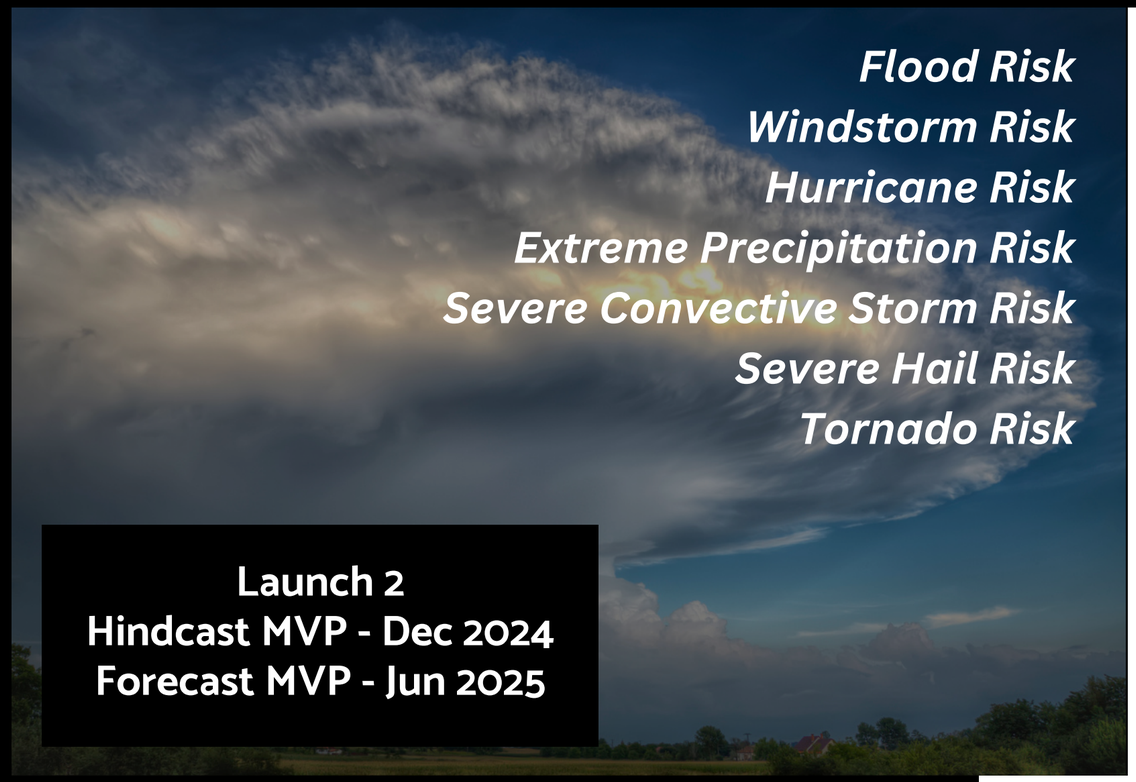
04 Enterprise dataset licensing: starting at $100K per year

Our Forecast Products



Temperature
Precipitation
100-m Wind
Surface Solar Irradiance
Specific Humidity
Heatwave Risk
Wildfire Risk

Launch 1
Hindcast MVP - Dec 2023
Forecast MVP - Mar 2024



Flood Risk
Windstorm Risk
Hurricane Risk
Extreme Precipitation Risk
Severe Convective Storm Risk
Severe Hail Risk
Tornado Risk

Launch 2
Hindcast MVP - Dec 2024
Forecast MVP - Jun 2025

Initial Customer Profile

ICP characteristics across verticals:

1. Vulnerable to the environent
2. Data-savvy and constantly seeks new forms of data
3. Prefers data-driven decision-making
4. Looks for new, innovative solutions
5. Prefers to plan and prepare (not respond and react)
6. Forecasts can inform valuable decisions and actions