

## **Augura Space Nowcast Platform: A** Research-Focused, Open Demonstrator for Space Weather Data Integration and Visualization

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François Ginisty, Rungployphan Kieokaew, Hadrien Mariaccia, Alexandre Suteau

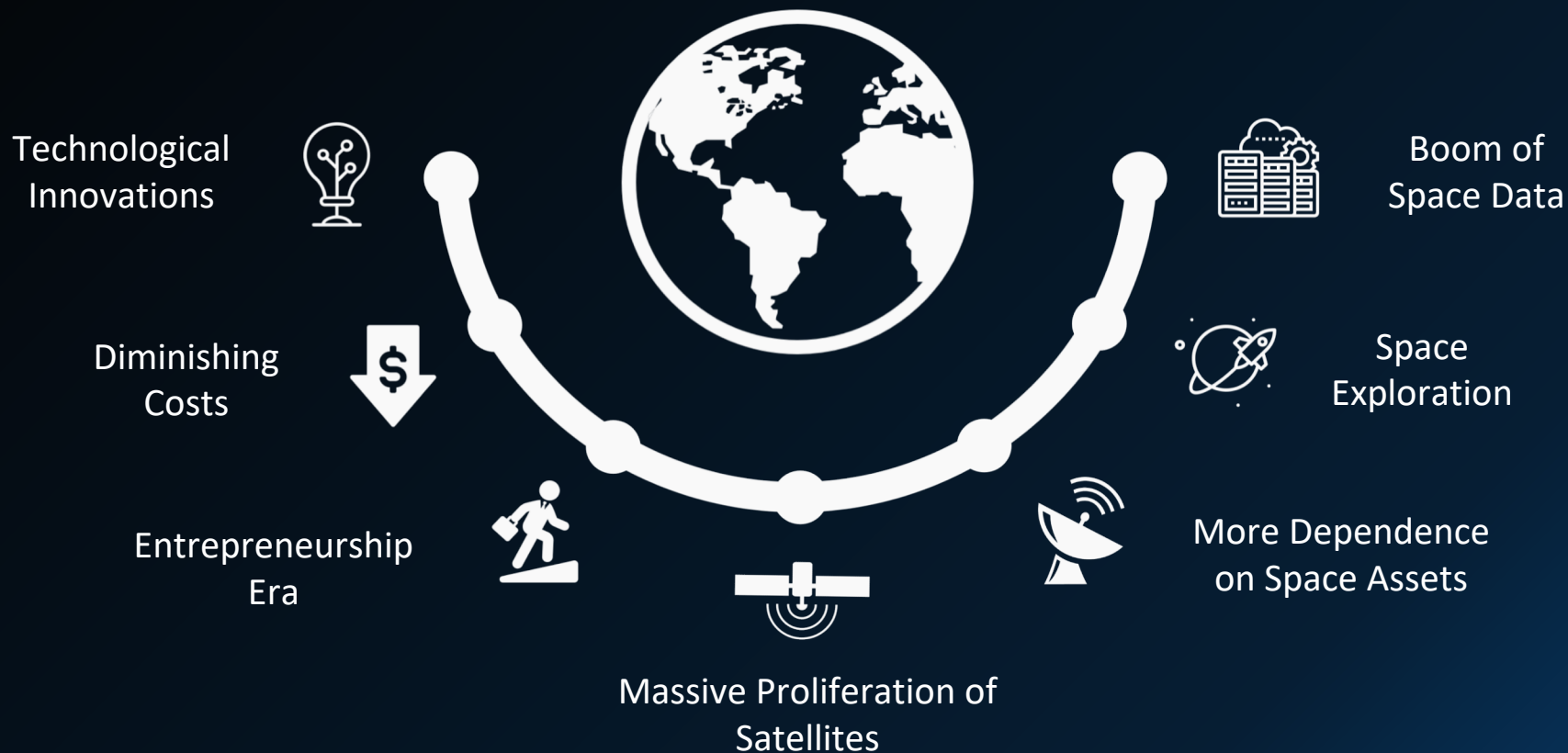
# Augura Space

Space Weather Intelligence for Critical Systems

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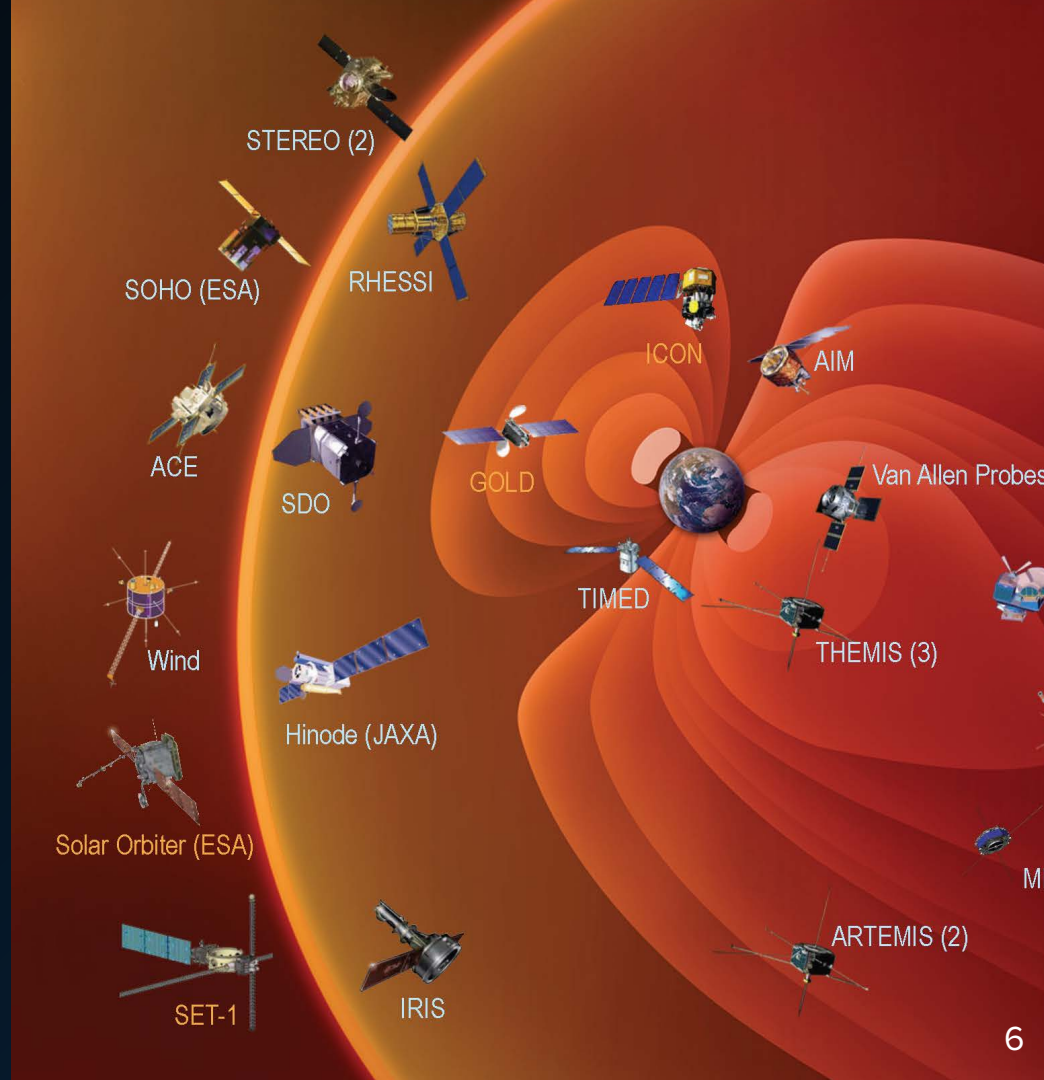
## New Space Ecosystem Is **Rising**



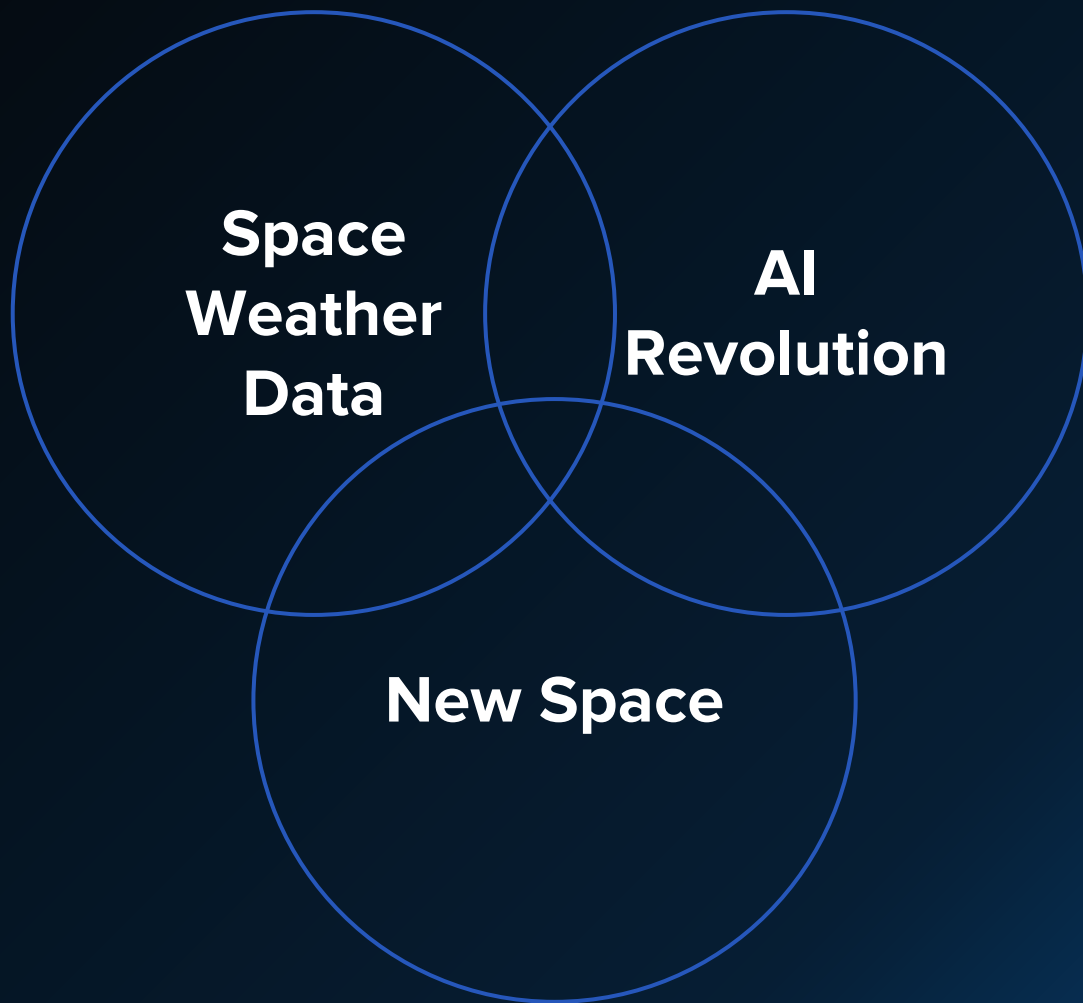


**Making Space Weather Forecasts,  
Monitoring and post-event diagnosis  
Highly Valuable Insights**

# 3 TB/day of Space Weather Data Awaiting To Be Monetized



# Why Now



Our Ambition

**Revolutionize Space Weather Decision Intelligence  
with Customized AI-Powered Services**

# The Team



# Augura Space



**François Ginisty**  
Co-founder & CEO  
CNES PhD in Space Weather



**Hadrien Mariaccia**  
Co-founder & CTO  
Senior AI Expert



**Rungployphan Kieokaew**  
Lead AI and Space Physics Engineer  
PhD Space Science (U. Exeter, UK)  
5+YoE in Space Weather/AI



## 2 MSc 6-month Interns

- Full Stack Intern
- AI and Space Physics Research intern



# Our commitment

# Augura Space

*Moving forward on two fronts:*

1) **Transferring technology** from European academic research (we are fortunate to have academic expertise/excellence in Europe): making it operational and usable—by promoting research—what is being done in labs.

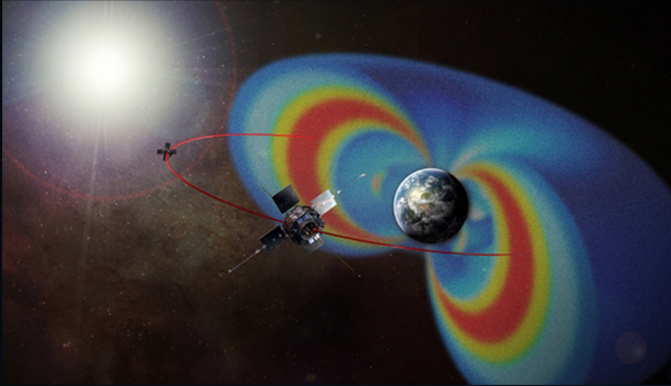
2) **In-house innovation:** ability to integrate innovations more easily, for example AI, another approach that is complementary but different from academic research

***Join and work with us, and if you like it, let's set up projects!***

Contacts established:



# On-going projects

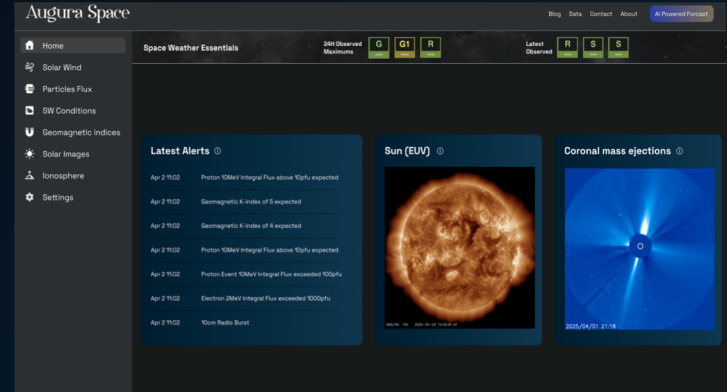


Source: NASA

## LEO Particle Flux Forecast AI-driven Algorithm (TRL 4)

Objectives:

- Poster ESWW Nov 2025
- Publication of a scientific paper in late 2025
- Operational Forecast SaaS within early 2026



## Real-time Space Weather Monitoring Platform (TRL 6)

Objective:

- Available operational platform in July 2025

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Alexandre Suteau et al.

# Augura Space Nowcast Platform:

## Why?

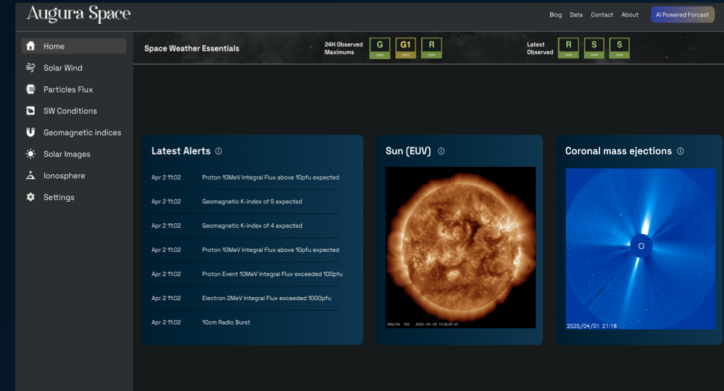
- The monitoring exists, but it is not centralised
- sometimes difficult for non-specialists to use.

## For who?

- Researchers: to quickly access a consolidated set of indicators, view current events, or test their models.
- Operators: satellites, airlines, GNSS—who need continuous, understandable, and potentially customizable monitoring.
- Decision-makers and insurers: to understand risks, respond to crises, or trace the causes of anomalies.

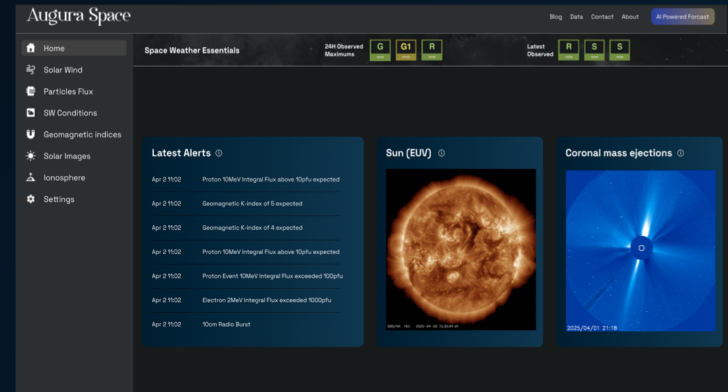
## How?

- ✓ Centralised monitoring
- ✓ User-friendly, free & accessible



- ✓ Interactive website
- ✓ Complementary to NOAA, ESA SSA, ...

# Demo



<https://platform.auguraspace.com/home>



## Objectives:

- To become the European reference site for the community when it comes to monitoring real-time SW conditions
- Complementary to ESA, strengthening the SSA
- It is a tool that we make available/offer to the community
- ✓ Operational 24/7

*We await for your feedback. This tool is flexible, so feel free to adapt it to your needs. We have certainly not been exhaustive, and we can develop it further based on your requirements (both in terms of content and format).*

# Summary & perspectives

We are at the intersection of space weather, AI, and operations.

We hope this platform will become a common tool for the community.

*"We are still in the development phase. That's why we need your feedback:*

- What indicators are missing?
- What formats or APIs would be useful to you?
- What models from research could be integrated and promoted?
- We are open to collaborating with laboratories, hosting models, automating their execution, or making them accessible to end users via our interface."

# Get in touch

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