

LUNA

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SEEKSCALE

SYMHUB

THE SKY IS THE LIMIT

UNLIMITED COMPUTING POWER
DISRUPTIVE WEB TECHNOLOGIES

Presentation

Luna is a startup developing a cloud/web numerical simulation portal where:

- Companies and labs can **automatically** generate web UI for their codes and publish them online
 - Science code users can use those codes and optionnally purchase on-demand computing power (→ platform itself is free for academics)
- Turn automatically science codes into operational web applications

Presentation

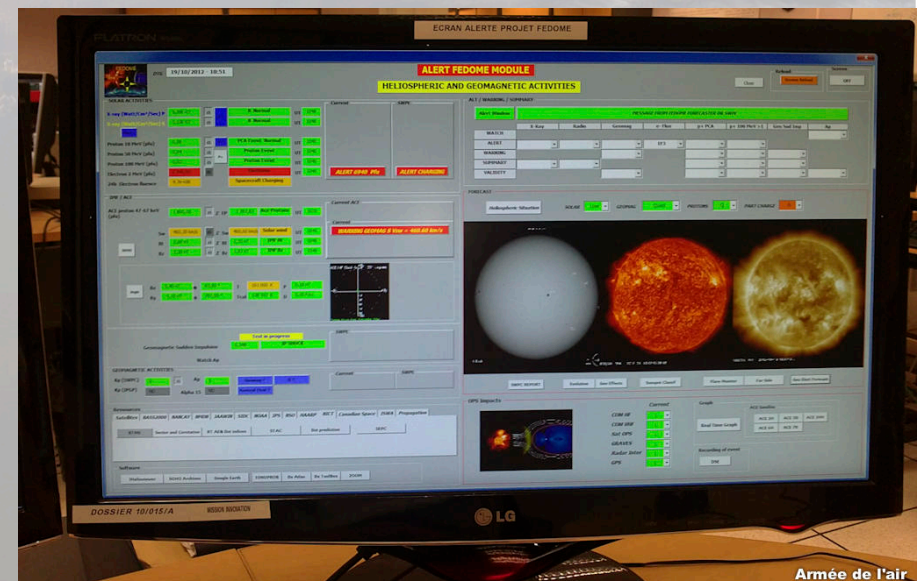
Launching complex simulations should be quick, online, « no harder » than booking a room on Airbnb (for professionals familiar with the science involved)

Our activities:

Aerospace, nuclear energy, life sciences, 3D/
VFX

Introduction METEO SPACE

- Partnership between Paris Observatory (Mr Malherbe team) and Luna for a 2-years DGA RAPID project, with French Air Force COSMOS as advisor.
- Set up an operational solar storm warning service, to anticipate perturbations on radars, radios, GPS/Galileo...



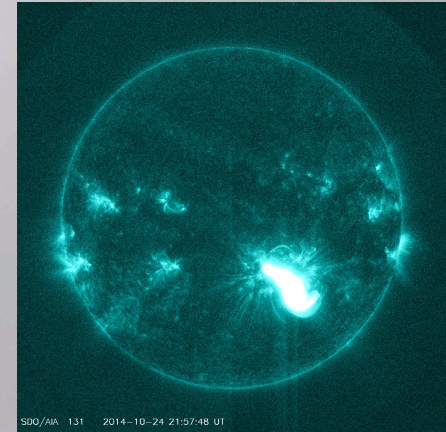
Perimeter

Build a H-alpha sensor (Obspm)

Build appropriate shelter (OCA)

Industrialize existing algorithms, set up IT infrastructure (data storage, processing, transmission, visualization) (Luna)

Philosophy: industrial approach, aim for low maintenance costs to reduce later dependence on public funds.



Objective

Launch a viable commercial service for advanced space weather previsions.

- For Luna: extend the perimeter of our numerical simulation activities to SSA
- Paris Observatory: structure research on this topic
- For French Air Force: have access to better previsions

Rationale is that research will benefit from downstream commercial applications.

Status

- RAPID project in convention phase
- Overall planning has been defined
- Preliminary informal contacts with people in relevant sectors (Satellite operators, military radio communications...)

Contact

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