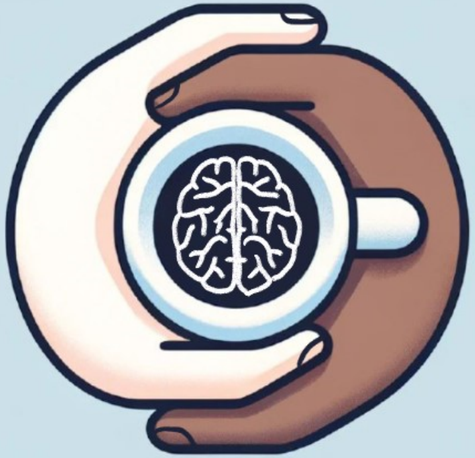
Open Science Cafe



NASA SPACE APPS CHALLENGE 2023

A Marketplace for Open Science Projects

Lion Astronauts

Open Science Cafe

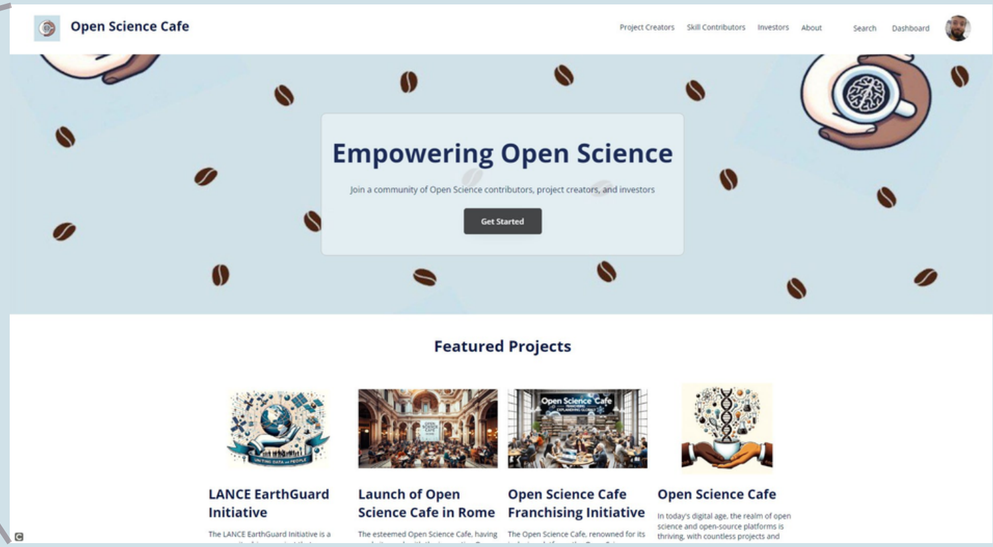
Insipiration & Collaboration

18th century — 21th century

We Got You Covered!

IT'S LIVE

www.opensciencecafe.com



The Project Contributor’s POV

Open Science Cafe

Search Dashboard

LANCE EarthGuard Initiative

← Back to search

Project Creator

Martin

Collaborators

LANCE EarthGuard Initiative

The LANCE EarthGuard Initiative is a community-driven project that capitalizes on the rich, near real-time EOS data provided by NASA's LANCE. This initiative aims to bridge the gap between advanced satellite data and community engagement, fostering a deeper understanding and proactive response to Earth's phenomena. By bringing together students, researchers, citizens, educators, and local authorities, the project ensures that LANCE data is not just observed but actively utilized for the betterment of the environment and communities.

Learn more about LANCE: https://earthdata.nasa.gov/earth-observation-data/near-real-time

Key Components:

Education and Awareness Programs:

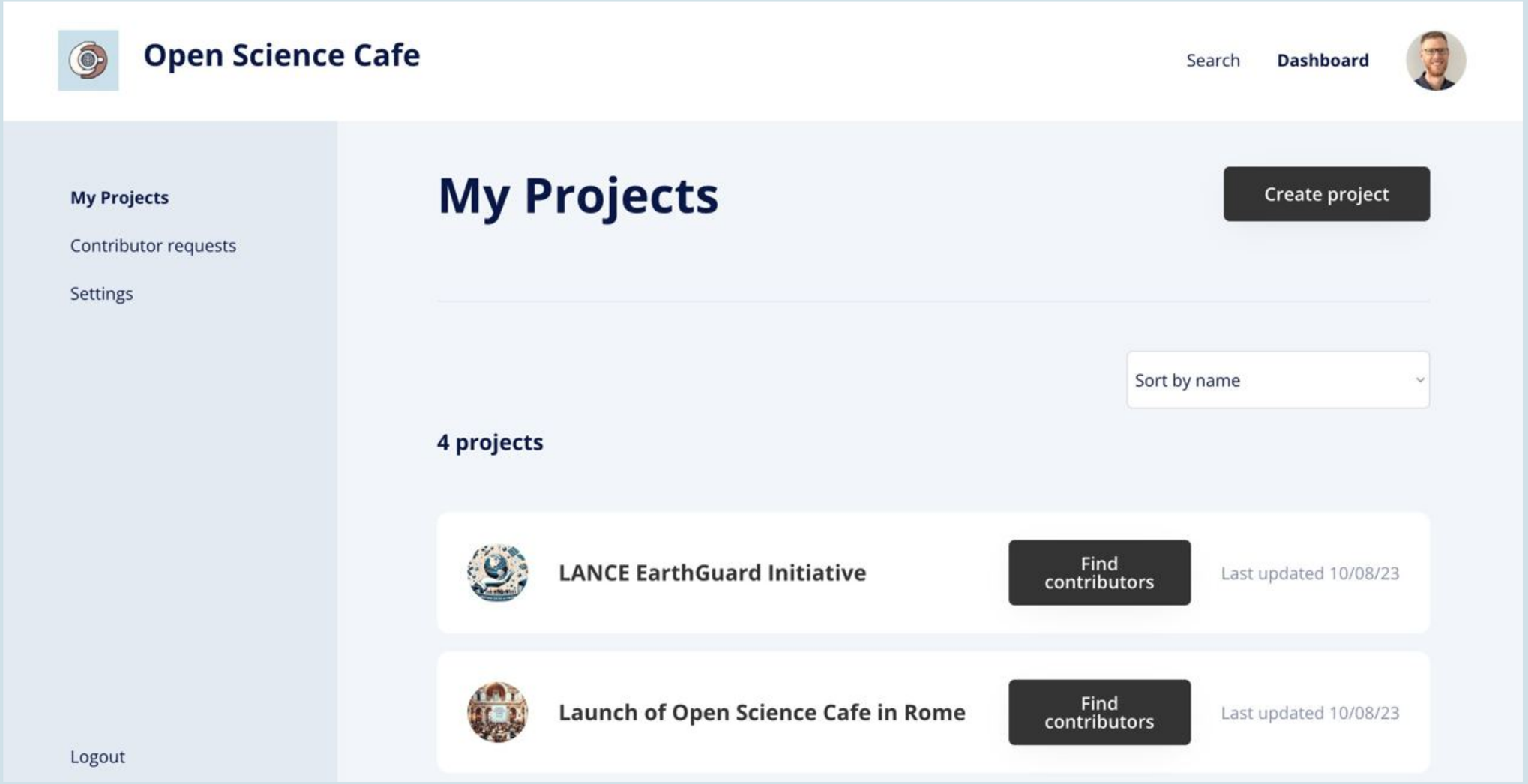
Audience: Students, educators, and the general public.
Objective: Introduce the capabilities of LANCE and its data, educating on the importance of monitoring Earth's phenomena.
Method: Organize workshops, webinars, and school programs. Distribute educational materials explaining the significance of real-time EOS data.
Community Reporting and Feedback System:

Audience: Citizens and local authorities.
Objective: Allow users to validate LANCE's satellite data with ground observations, thereby enhancing the dataset's richness and reliability.
Method: Develop a mobile app or web portal for users to upload observations, images, and feedback related to events captured by LANCE.
Research Collaboration Portal:

Data Scientists: Experts in analyzing and interpreting the vast datasets provided by LANCE.
Community Engagement Specialists: To foster relationships with local communities and ensure their active participation.
Geospatial Analysts: To interpret satellite data in conjunction with ground reports.
Educators: To create curricula and training programs that leverage LANCE data.
Web and App Developers: To build user-friendly platforms for data access, reporting, and collaboration.
Public Relations and Media Professionals: To promote the initiative and its benefits to a wider audience.
Environmental Scientists: To provide insights into the data's implications for various ecosystems.

Collaborate

The Project Creator’s POV



NASA
Data

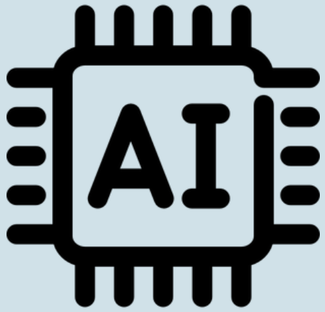
AI
Capabilities

Open Science Cafe

What We Offer

SIMPLICITY

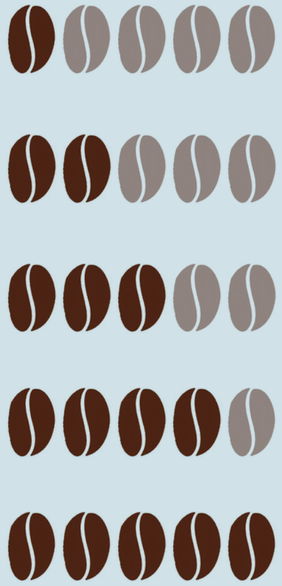
The AI Helps You Out!



PRIVACY

Share What You Want,
With Who You Want!

TRUST



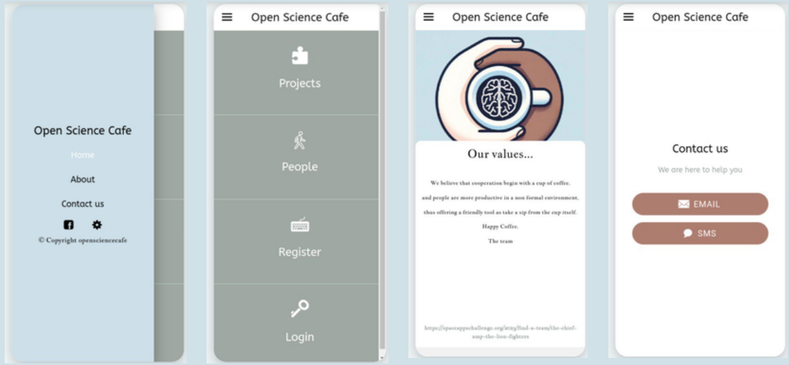
Open Science Cafe

What’s Next?

New Features

Creators Can Search For Fundings

Mobile App



Let’s Get Physical!!!

Lion Astronauts

Angelo Rossi

Edda Del Vecchio

Martin Russo

Paolo Scarponi