





**ClimAID** A Prototype for Climate AI Dashboard



## **Project:**

The problem this project aims to tackle involves the intersection of the rapidly evolving field of artificial intelligence (AI) and the growing availability of climate data. While AI models, particularly in natural language processing and image analysis, have shown significant promise, there is a keen interest in applying these advanced tools to climate science. These AI models can address complex climate events like flooding, forest dieoffs, and agricultural yield failures, aiding in risk mitigation and management.

## Challenges:

Implementing AI in climate science presents several challenges. First, a steep learning curve is associated with the requisite mathematical knowledge, coding skills, and expertise in handling large datasets. Secondly, the pace at which AI models are advancing makes it difficult for data science teams to keep up and maintain expertise in multiple AI technologies simultaneously. Therefore, the problem to be addressed is how to effectively scale the skillset and capabilities of data science teams, enabling them to train and interpret advanced AI models focused on climate data.

## **Financial Volume / Term:**

### 5.000€ / 06 months

#### Solution:

#### Team:

# Project leader: Mohit Anand Mentor: Prof. Dr. Miguel Mahecha (University of Leipzig)

This project aims to create a user-centric dashboard, which is an integrated platform for leveraging advanced AI technologies in climate science. By consolidating the processes of data selection, model training, and result interpretation into one user-friendly dashboard, ClimAID significantly lowers the barriers to entry for applying advanced AI techniques in climate science.



If you are also interested in funding, please get in touch with us by email, phone or in person!

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