# FIRELAB
# TRANSITION PHASE

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# CONTEXT

The development of this proposal fits into the MoST Project, which is financed by Fundação para a Ciência e Tecnologia (FCT).

The main objective is to obtain data in order to develop studies about fire propagation and gas emissions into the atmosphere. Thus far, 2 field experiences were made to capture images of controlled fires using drones, which will have an integral part on our project.
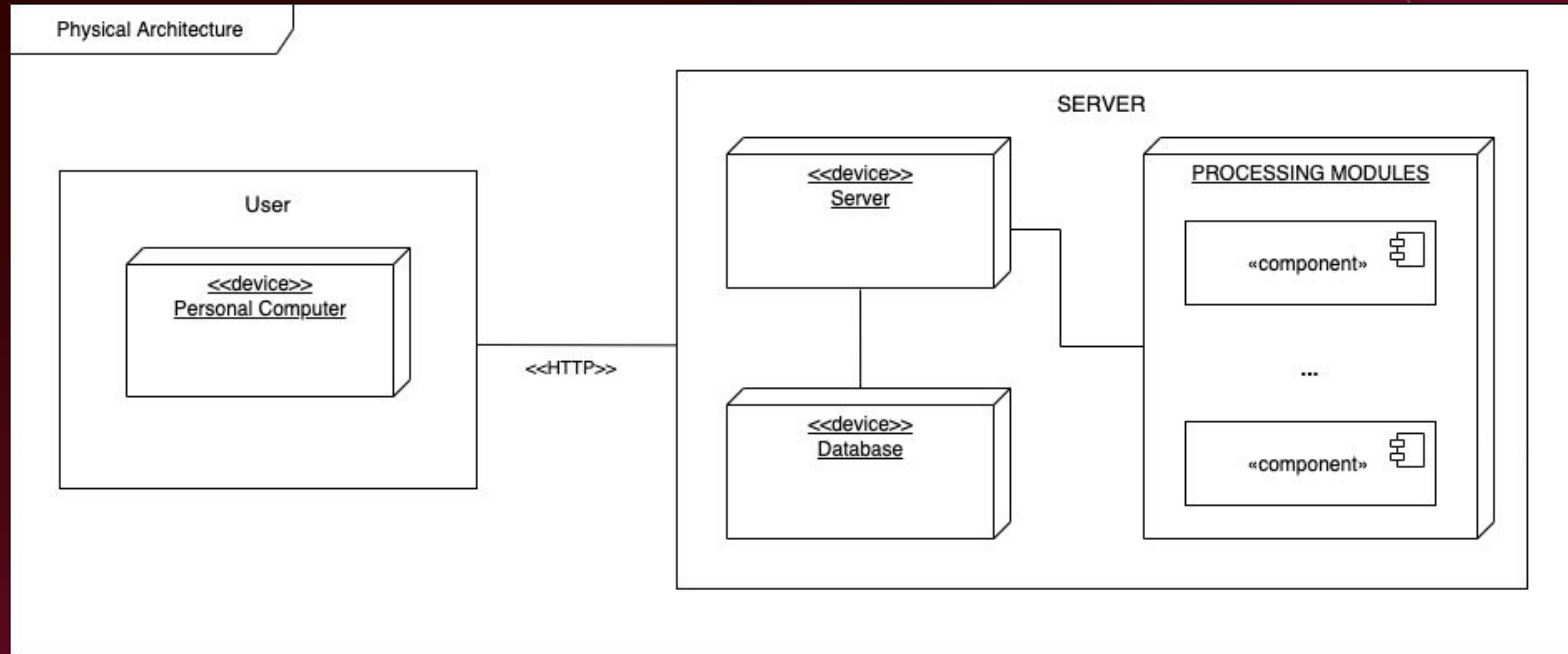
# GOALS

- Tool to classify the vegetation in orthophoto maps

- Segment the burnt area either in images or video frames

- Export data to modelling tools of fire propagation and smoke dispersion

- Transform raw data into georeferenced data

- Tool to view fire progression

- Aggregate the above in a easy to use application
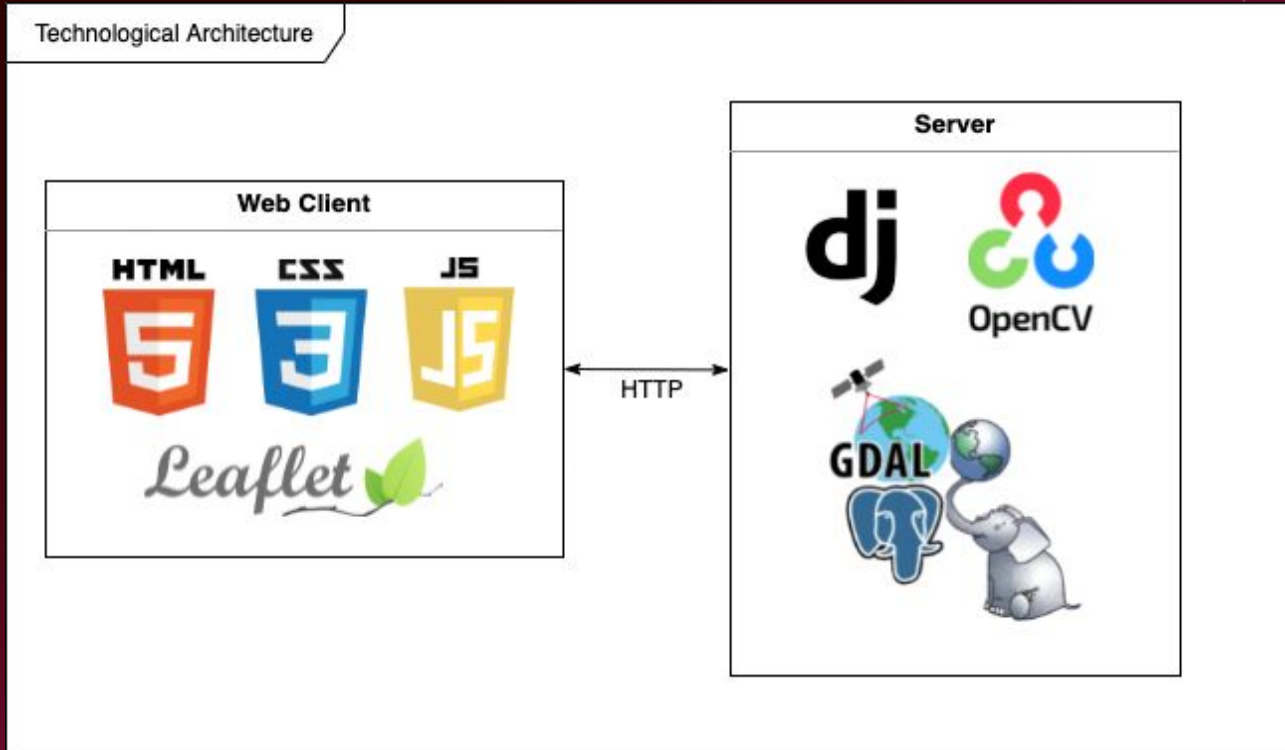
# FUNCTIONALITIES

- Classify Vegetation

- Extract the fire front's shape

- Georeference points

- Data visualization

- Export data in specific formats

# SYSTEM ARCHITECTURE

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# USER TESTS

- Stakeholder and Advisors

- Feedback Collected after tests

    ↑ Usability

    ↑ Reliability

    ↓ System Complexity

# DEMO

link

# THANK YOU FOR YOUR TIME!

# QUESTIONS?