SAFE GROUND

CHALLENGE: Identifying Risk With Science + Communities

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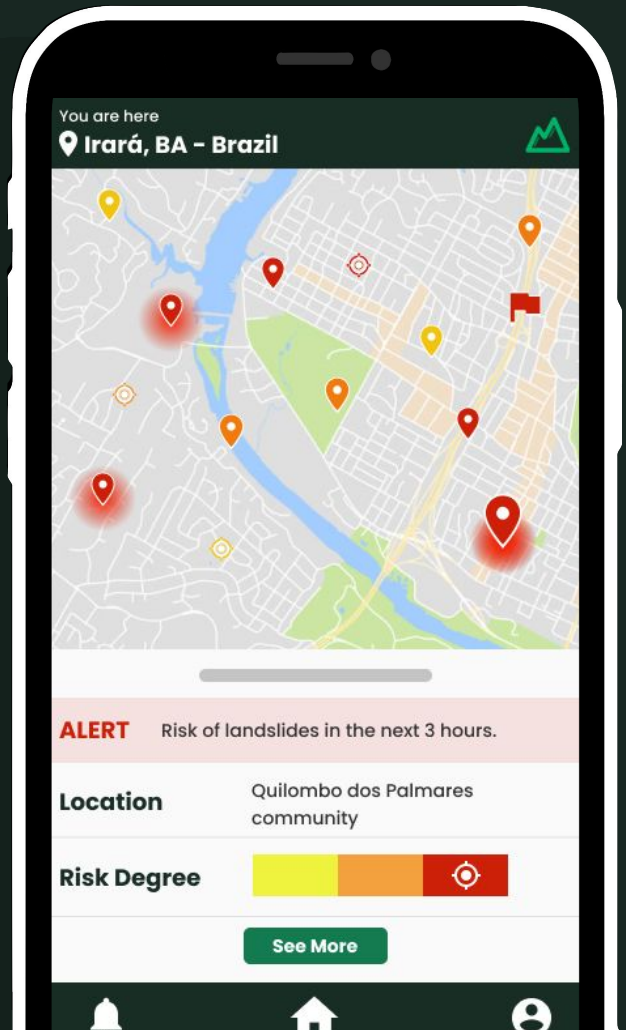
TEAM: hackithicos

PROBLEMS

- Landslides kill many people
- Occurs worldwide
- Interferes in the economy
- Represents risks to communities



SOLUTION

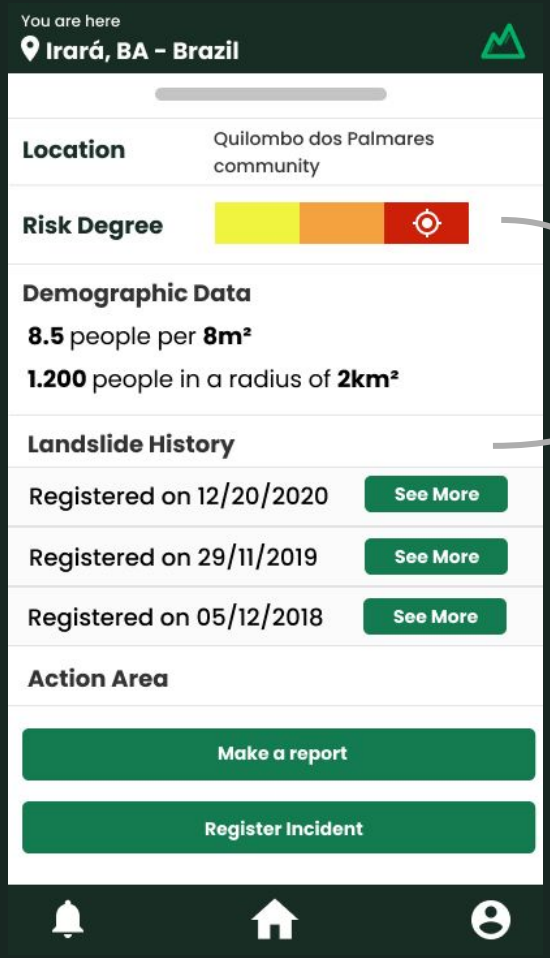
Mobile app to prevent those problems

Collaborative

Real-time notifications

Self-training AI to estimate risks

USER EXPERIENCE

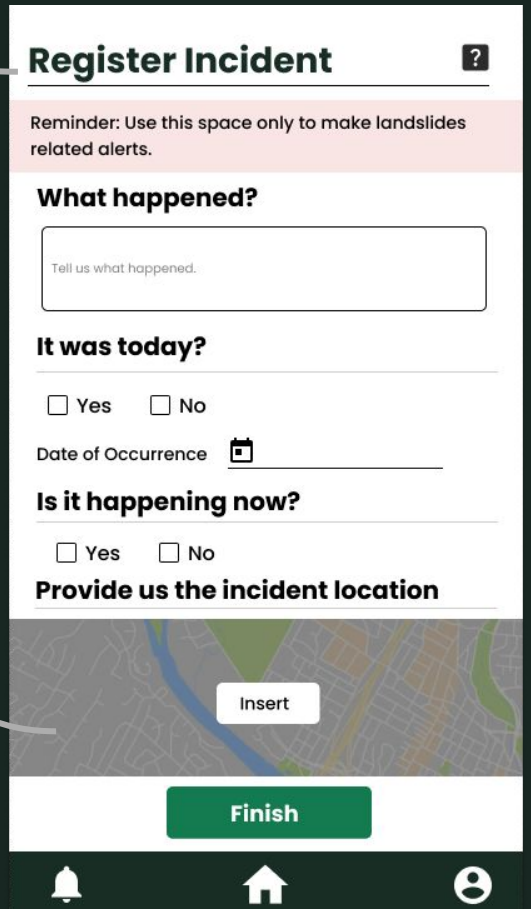


Register Incidents

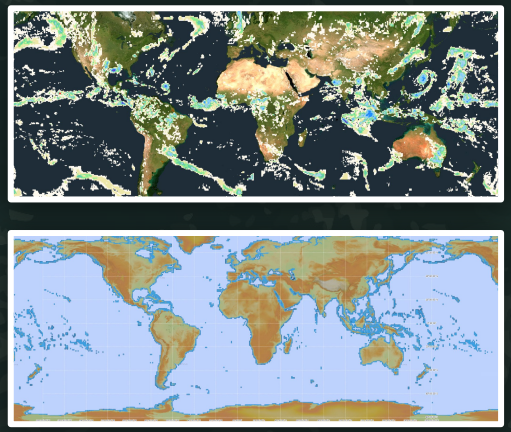
View the status of your location

Landslide History

Insert location



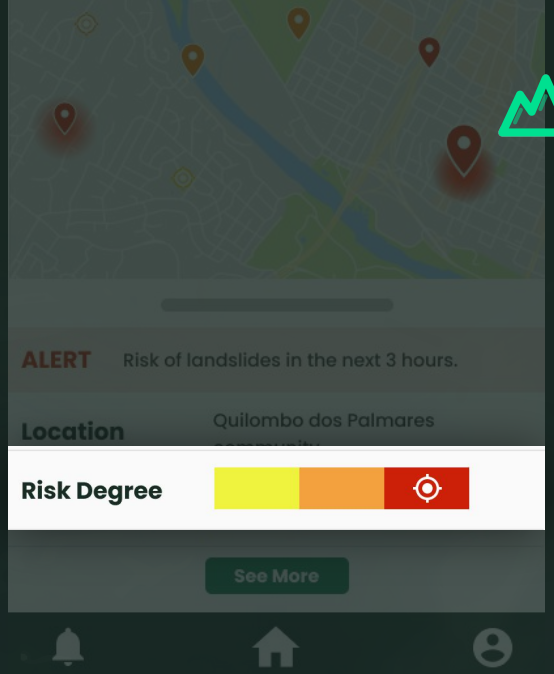
HOW?



Jaxa Alos Satellite

NASA Landslide Viewer

Neural network techniques and cross correlation coefficients to establish the crossing of data



Generates predictability of places with potential risks

History of Landslides

Interaction with Government Agencies

BENEFITS

Can save many lives

especially in rural areas and communities

Everyone learns

about risks prevention

Reduces impact on the economy

when preventing incidents

Helps local governments

detecting risks and warning them

WHAT'S NEXT

Develop a software platform together with the app for responsible government agencies to have an overview of the affected areas and take actions.

Form partnerships with companies that support the cause.

MOTIVATION

We are motivated to solve this problem mainly because it affects the favelas (poor communities) in Brazil and other communities in the world.

We think that this project should be noted primarily for helping to prevent risks in rural areas and save lives in communities.