SAVE OUR MOTHERSHIP!

NON-STOP HEAT

WARNING: THINGS ARE HEATING UP!

MEMBERS:

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ABSTRACT: In the last five years at a global level there has been an increase in forest fires, mostly caused by the increase in temperatures. On the other hand, and not far from this problem, we find the increase in energy consumption; because this is due to the different technological advances that increasingly increase the demand for this resource. Again, part of these problems initially, are due to the different processes of deforestation that occur globally, as well as the increase in pollution; initially we can affirm that we reach a point of no return in which we must make the most of resources, it gives us science and data, because these serve us to think about possible solutions to these problems. In the following project we proposed to create a website for the visualization of an interactive map that shows the areas of El Salvador, where the increase in temperature is most concentrated and with artificial intelligence, to be able to give a percentage of deforestation. Clicking on a department will show all the information related to its environmental status. With this we can use it for many applications in government and corporate areas.

TAGS: *#Areasofapplication #Innovation #Environment #Sustainableenergy #Reforestation*

#Increaseintemperature #El Salvador

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PROBLEM STATEMENT

In the last five years globally there have been a number of forest fires, mostly due to intense heat waves. On the other hand, and not far from this problem, we find the increase in energy consumption in recent years; because this is due to the different technological advances that increasingly increase the demand for this resource. Well, part of these problems initially, are due to the different processes of deforestation that occur globally, as well as the increase in pollution; initially we can affirm that we reach a point of no return in which we must make the most of the resources, science and data we have to give soon and possible solutions to these problems.

OUR PROJECT:

Our project consists of the creation of a website for the visualization of an interactive map that shows the areas in El Salvador, where heat waves are most concentrated and with artificial intelligence give a percentage of deforestation. Clicking on a department will display all the information regarding the environmental status of the same, as well as warnings and consequences that these temperatures represent for the region. Finally, as background, we only find that NASA is the only one that has the domain of this information

LINK THE PROJECT:

https://www.stopheat-earth.5x2studios.com/

AREAS OF APPLICATION:

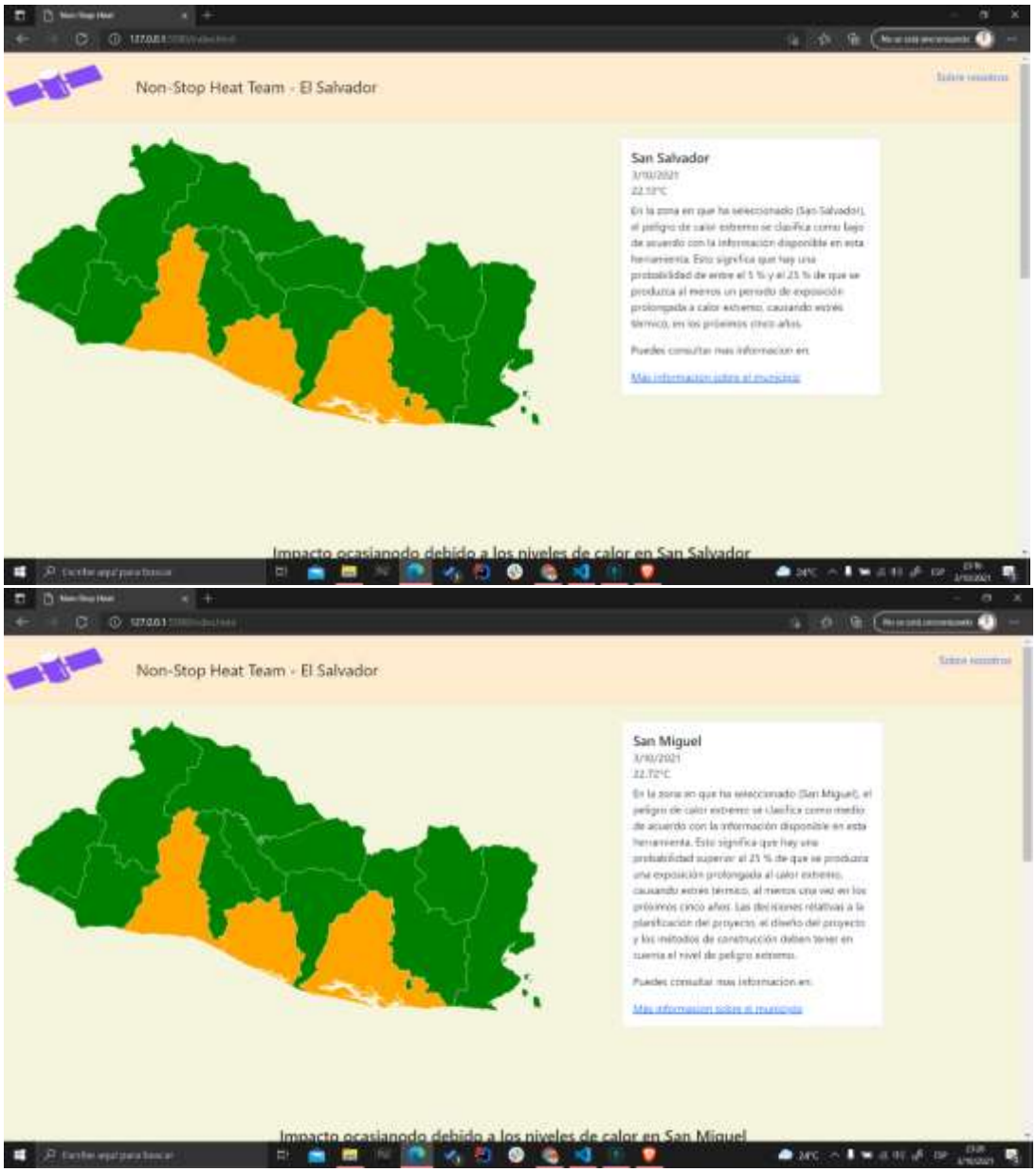
With the data provided by the platform in a didactic, efficient and real-time way, it will be possible to suggest which are the areas in El Salvador where solar energy can be produced in an efficient way, based on the annual reports. On the other hand, it will also be possible to identify and mark the area with a much greater risk of forest fires; also, as a platform and application they will be able to warn, about the risks of going out in geomagnetic storms, or better known as solar storms, suggesting if it is necessary to leave more protected, against uv rays. Last but not least, mapping can serve as a tool for reforestation programs, informing about abandoned areas or areas

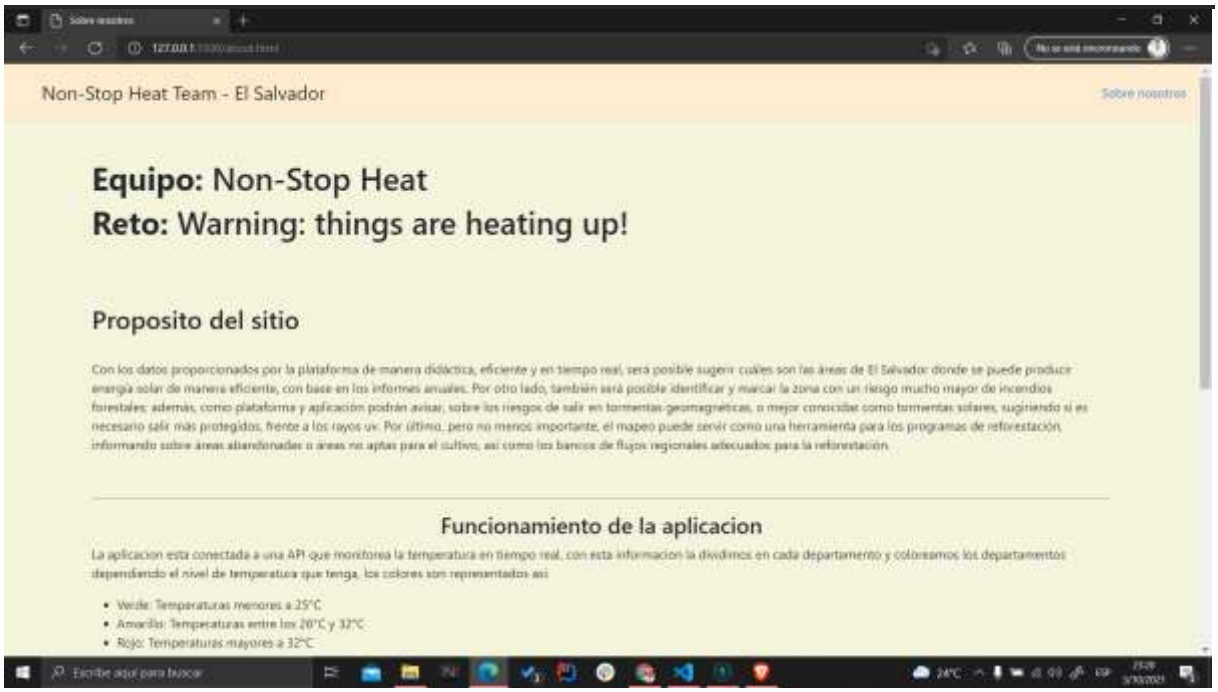
not suitable for cultivation, as well as the banks of regional flows suitable for reforestation.

POTENTIAL COMPANIES OR ORGANIZATIONS SUITABLE FOR OUR PRODUCT:

- GOOGLE - weather and forecast information.
- The AES Corporation.
- Ministry of Environment and Natural Resources of El Salvador
- CNE - National Energy Council of El Salvador

DEMO:





EXPERIENCEWITH SPACE APPS:

For me the experience I was able to have in the participation of this Hackathon in the Space Apps, was to be able to share and work with different young people from all over El Salvador, since we are united by the interest of putting into practice our professional and empirical knowledge, because in collaboration, work and exchange of ideas, we can build viable and practical solutions, that help solve many of the problems we have today. *Ever Fuentes*

Incredible, for a first experience it was great. Sharing knowledge, ideas and points of view of Salvadoran professionals is enriching for personal knowledge. Also, with this type of project it helps to speed up the pace of work because you have to adapt all the ideas and resources available from the different the time all the ideas, available resources of the different members, which I believe will help me in my professional life. that will help me in my professional life at the same time that we solve the problems that affect our society and thus contribute to having a better country and planet. *Anthony Vásquez*

My experience in the NASA space apps challenge was that we learned about temperature data around the world and especially in our country the savior that will help us analyze the different risks that heat levels can entail for each department or municipality of our country. *Hector Martinez*

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