



**Earthly  
Alert**

# Team

Diego  
Ramirez

Jesus  
Miranda



Santiago  
Herrera

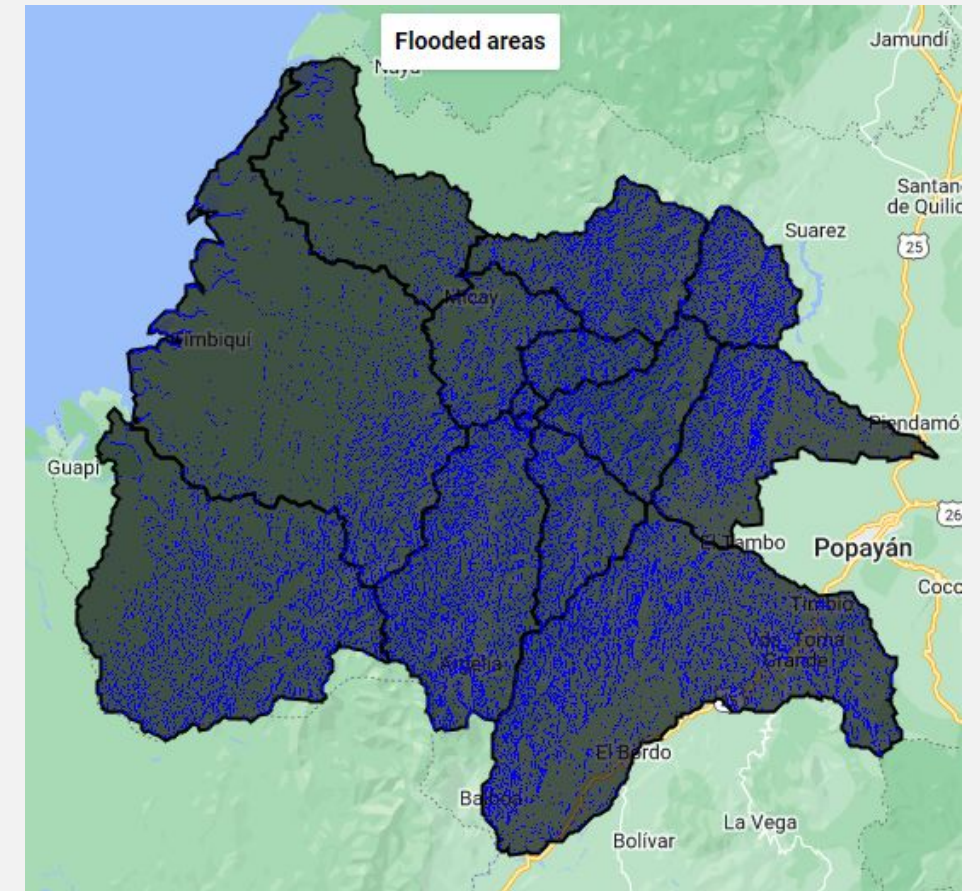
Diego  
Rengifo



"The population is increasing at a higher rate in areas we know have been flooded in the recent past. This exposure element is being driven, in part, by how we decide where to develop" - Jonathan Sullivan, postdoctoral scientist at the University of Arizona



# Problem



Floods are the environmental phenomenon that affects most people around the world. During the period 2000-2015 more than 255 million people were affected at least once by major floods. The picture indicates that the proportion of the population exposed to floods will increase further in the coming decades.

# Problem

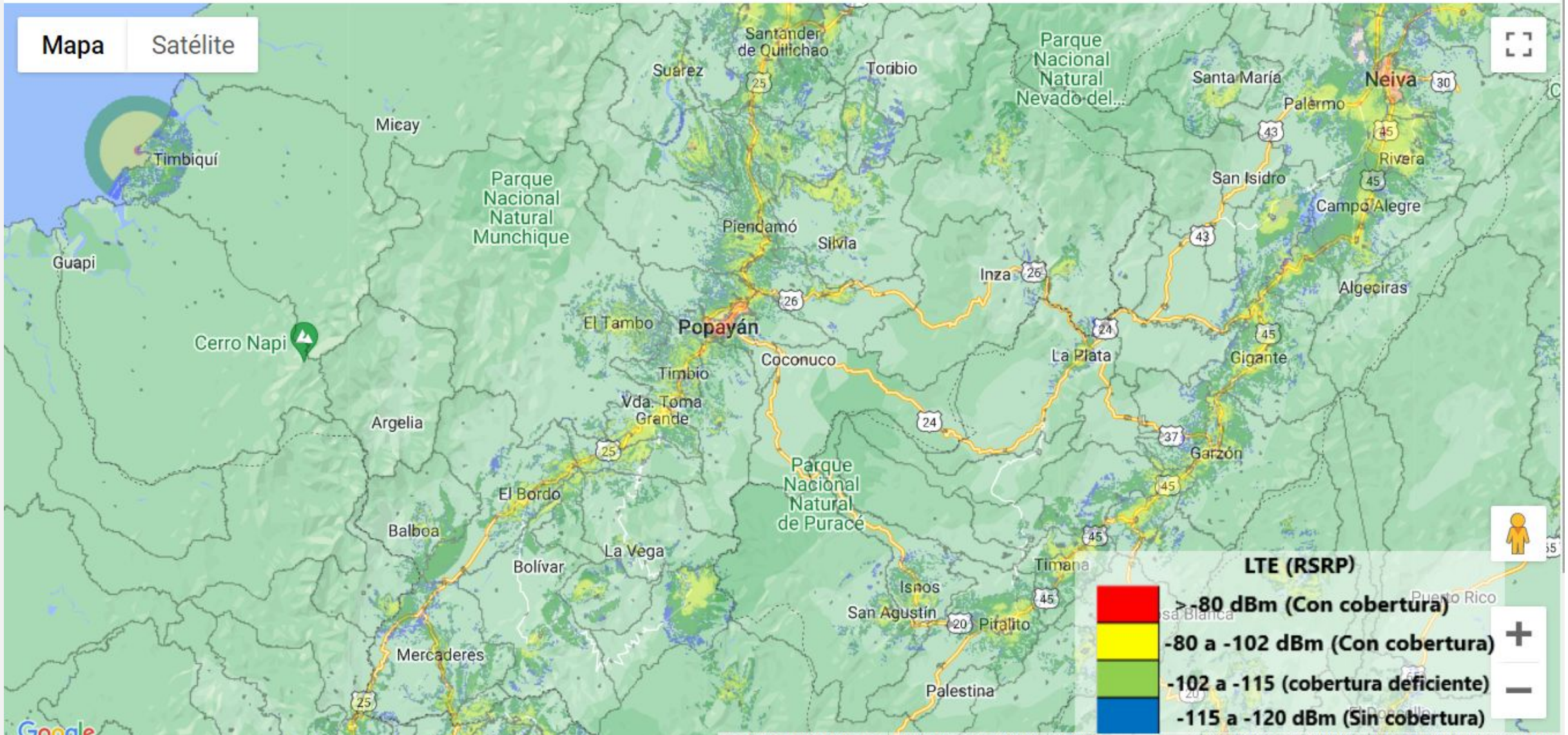
One way to mitigate the consequences of these and other natural disasters is to generate preventive alerts to the affected communities.

*What means of communication can be used?*

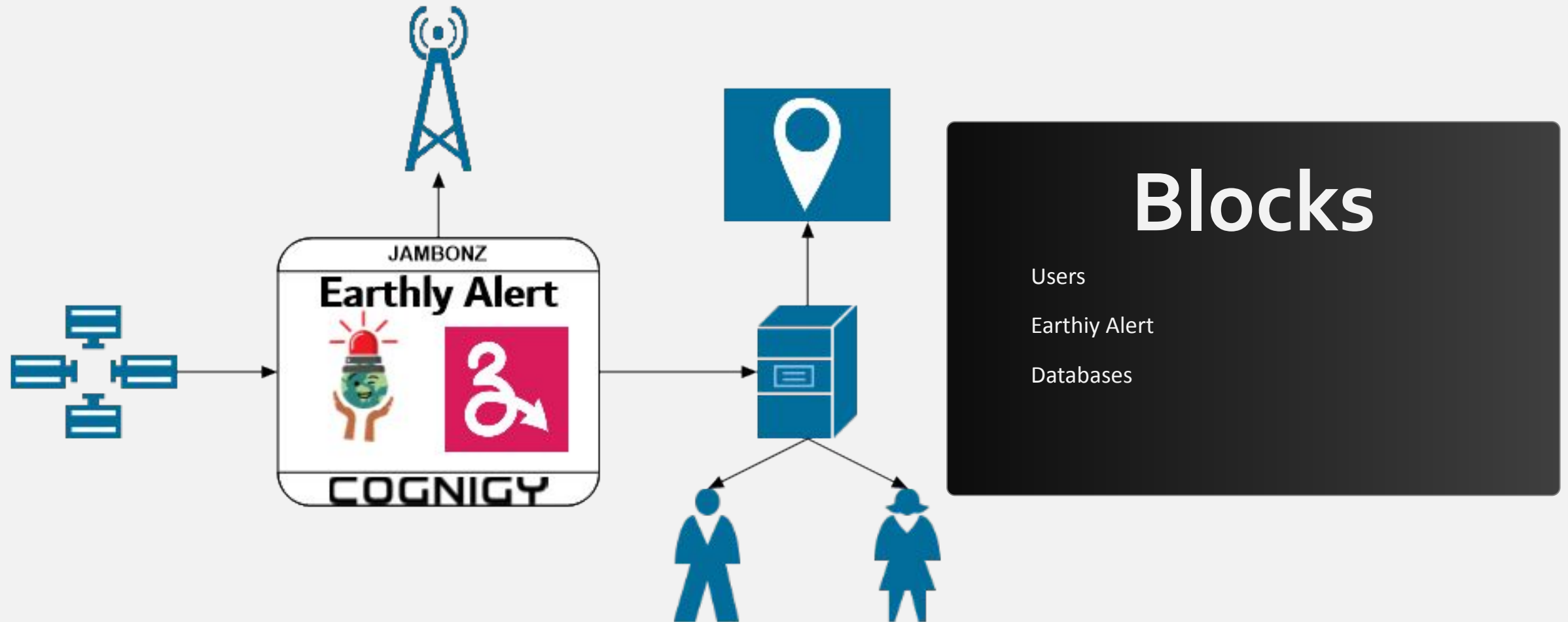
**SMS**, since it has greater coverage, especially for the most vulnerable populations, which are the most affected, and have more difficult access to internet and smartphone technologies.

**What do can do?**

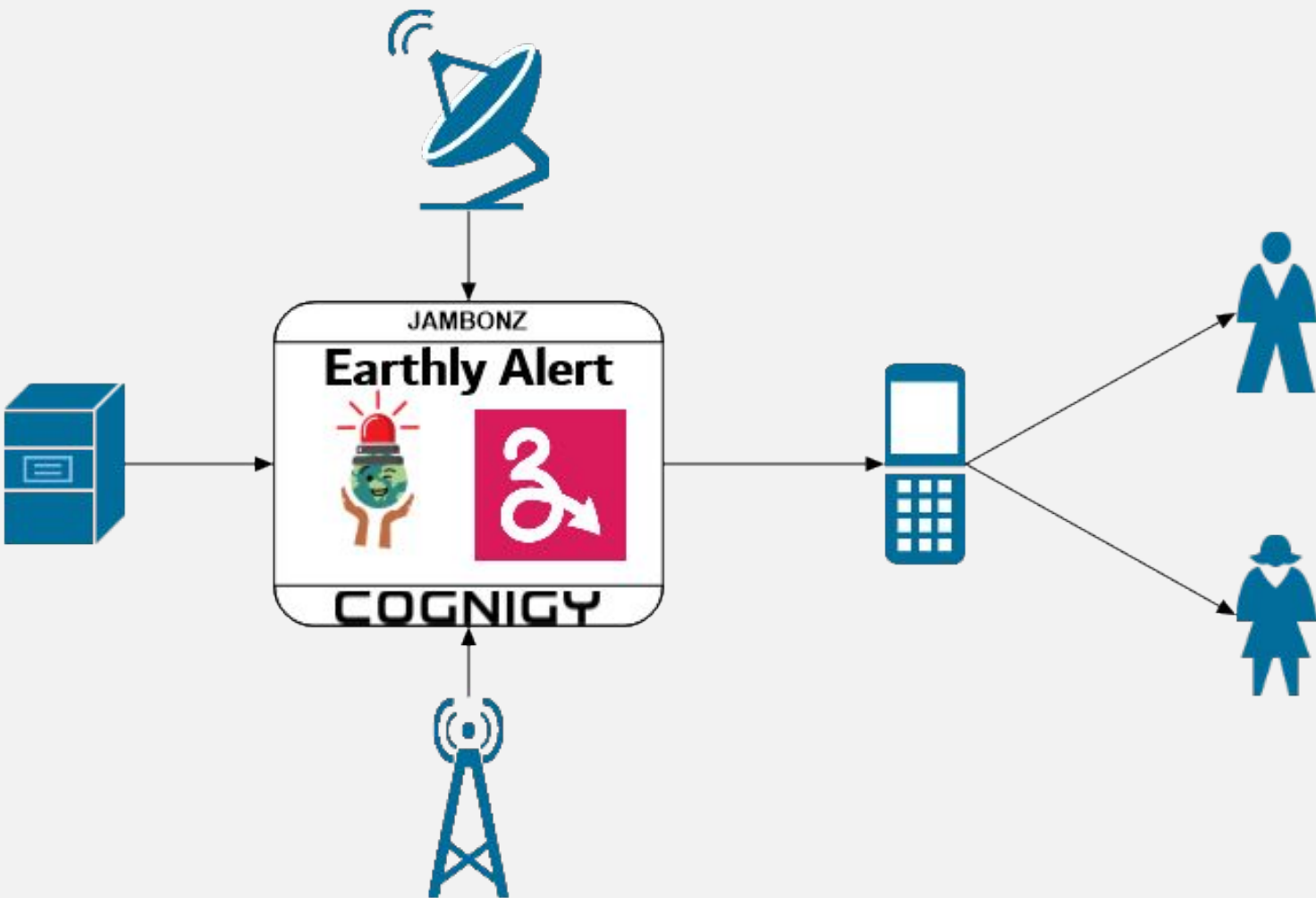




# Registration



# Alert



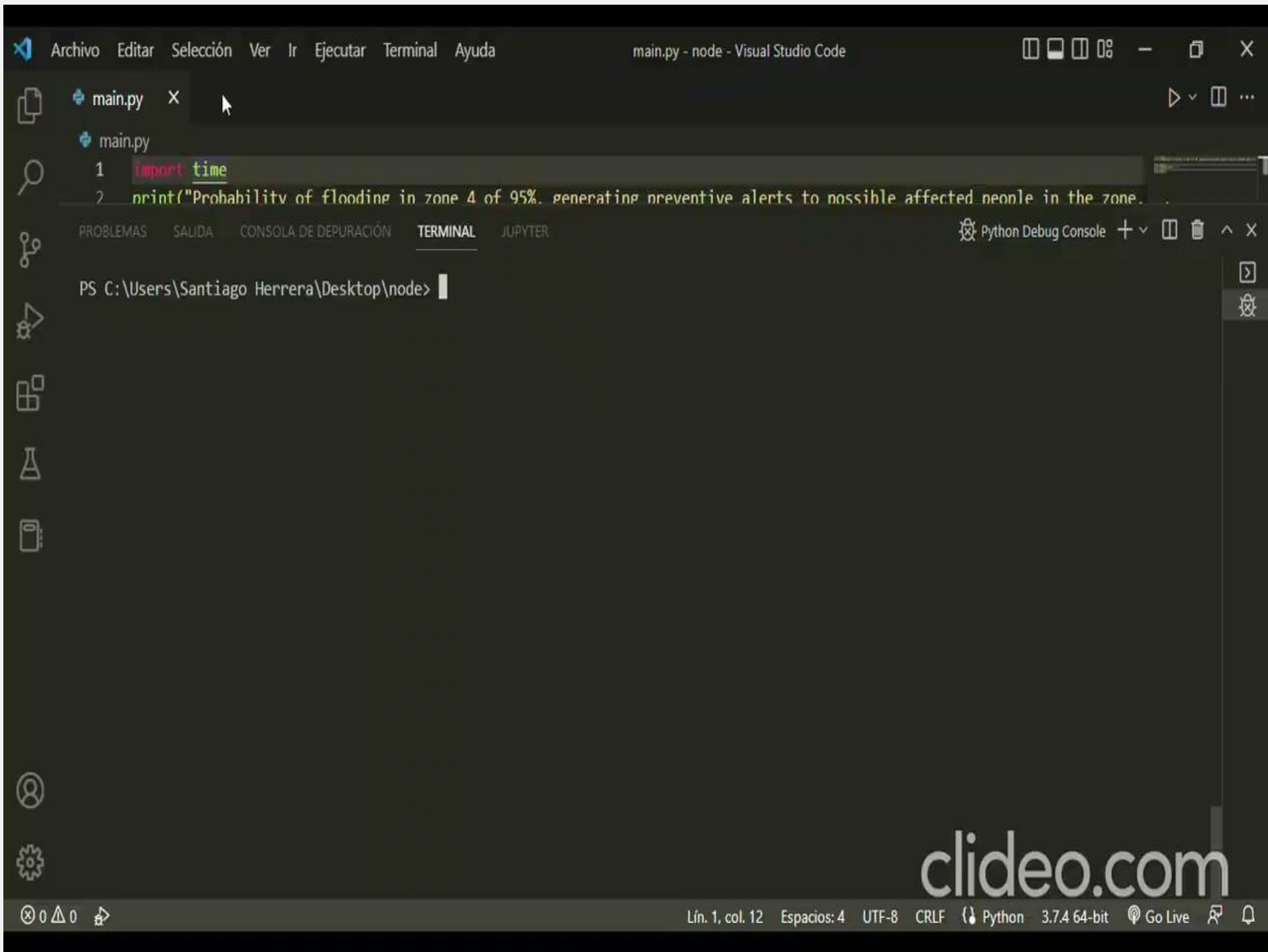
## Blocks

databases

Earthly Alert

Users





# References

- Tellman, B., Sullivan, J.A., Kuhn, C. et al. Satellite imaging reveals increased proportion of population exposed to floods. Nature 596, 80–86 (2021).
- <https://doi.org/10.1038/s41586-021-03695-w>
- <https://earthobservatory.nasa.gov/images/148866/research-shows-more-people-living-in-floodplains>
- <https://coberturadigital-prd-co.tigocloud.net/>

**STRO****LID**



**Yeapp**

**jambon**

 **adisys**

**COGNIFY**

Thank you