

CLIMAGRAPH PITCH DECK

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The Problem

“Worldwide in 2011, there were 154 floods, 16 droughts, and 15 cases of extreme temperature.”[1]



This statistic underscores the impact natural disasters have worldwide. Despite the availability of several tools to display weather data, most of them either represent the data geographically or focus on a single location at a time. Our program aims to bridge this gap by providing users with an integrated tool to **gather weather data over time, select desired weather variables, and visualize them in a graph**. This can assist in educating people about the changes in weather patterns caused by seasonal variations and natural disasters, promoting a better understanding of our changing climate.

Inputs & Outputs

Inputs

- number of cities
- city names
- weather variable

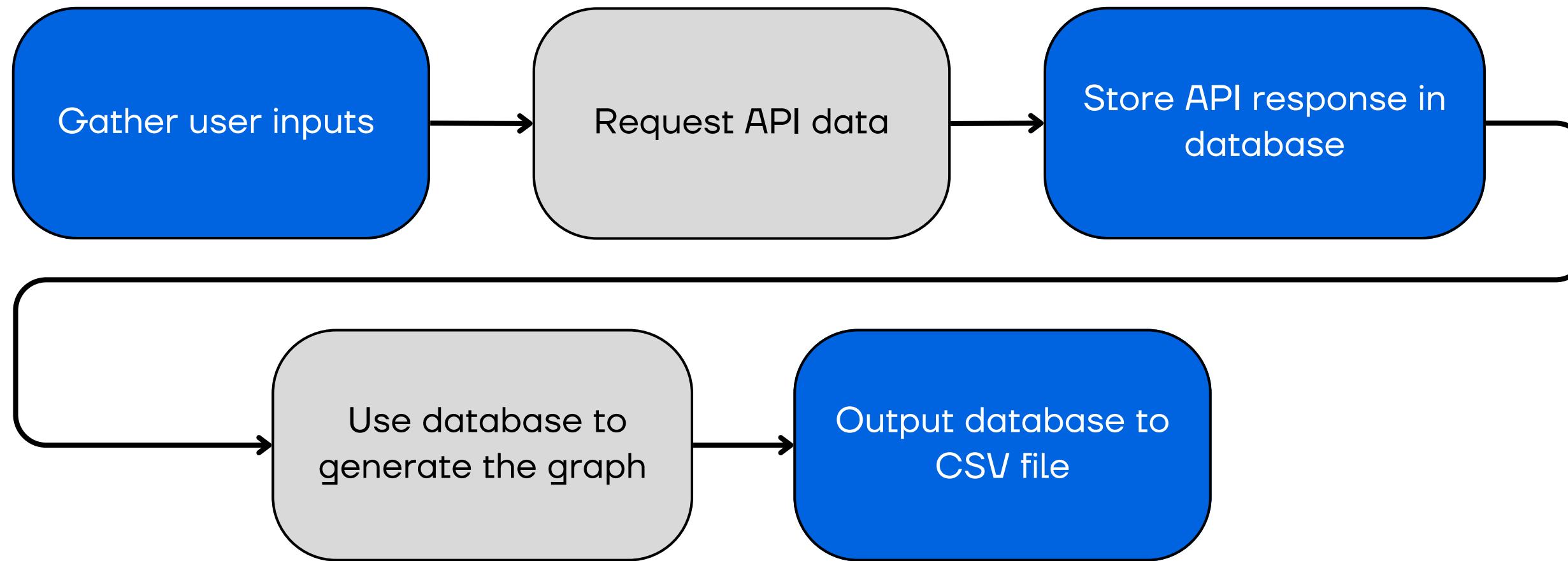
Outputs

- database
- graph

WHAT/WHO INTERFACES WITH OUR PROGRAM?

Users are able to interface with the Open-Meteo API using our program.

5 steps from input to output

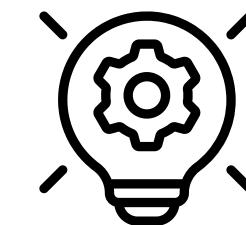


RISKS & SUCCESS



RISKS

- *Data that the user is looking for is not in the API*
- *API call limit is reached*
- *API is down*

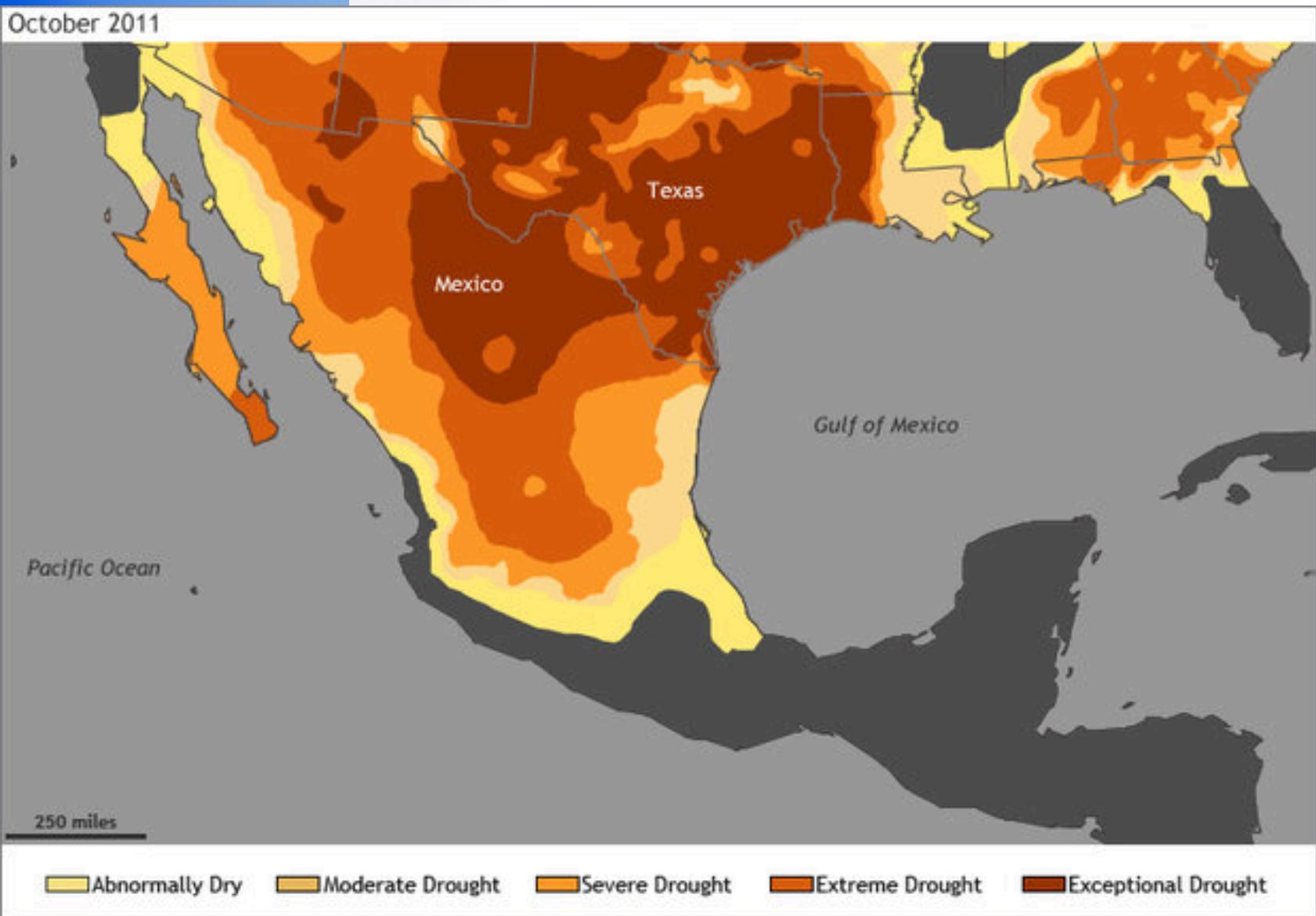


SUCCESS

The program retrieves user-requested information from the API, generates a graph, and provides access to a database containing the gathered data.

Mexico's Worst Drought in 70 Years

The drought that began in late 2010 and worsened throughout 2011 in northern and central Mexico caused over half the country to experience severe to exceptional drought. 2.5 million people were affected, 2.2 million acres of crops were destroyed, and hundreds of thousands of livestock were killed.



DEMO

THANK YOU!

QUESTIONS?

SOURCES:

[1] ["2011: NATURAL DISASTERS REVISITED." BROOKINGS INSTITUTION .
HTTP://WWW.BROOKINGS.EDU/~/MEDIA/RESEARCH/FILES/REPORTS/2012/3/NATURAL%20DISASTER%20REVIEW%20FERRIS/03_ND REVIEW CHAPTER2.PDF (ACCESSED JULY 21, 2014).]