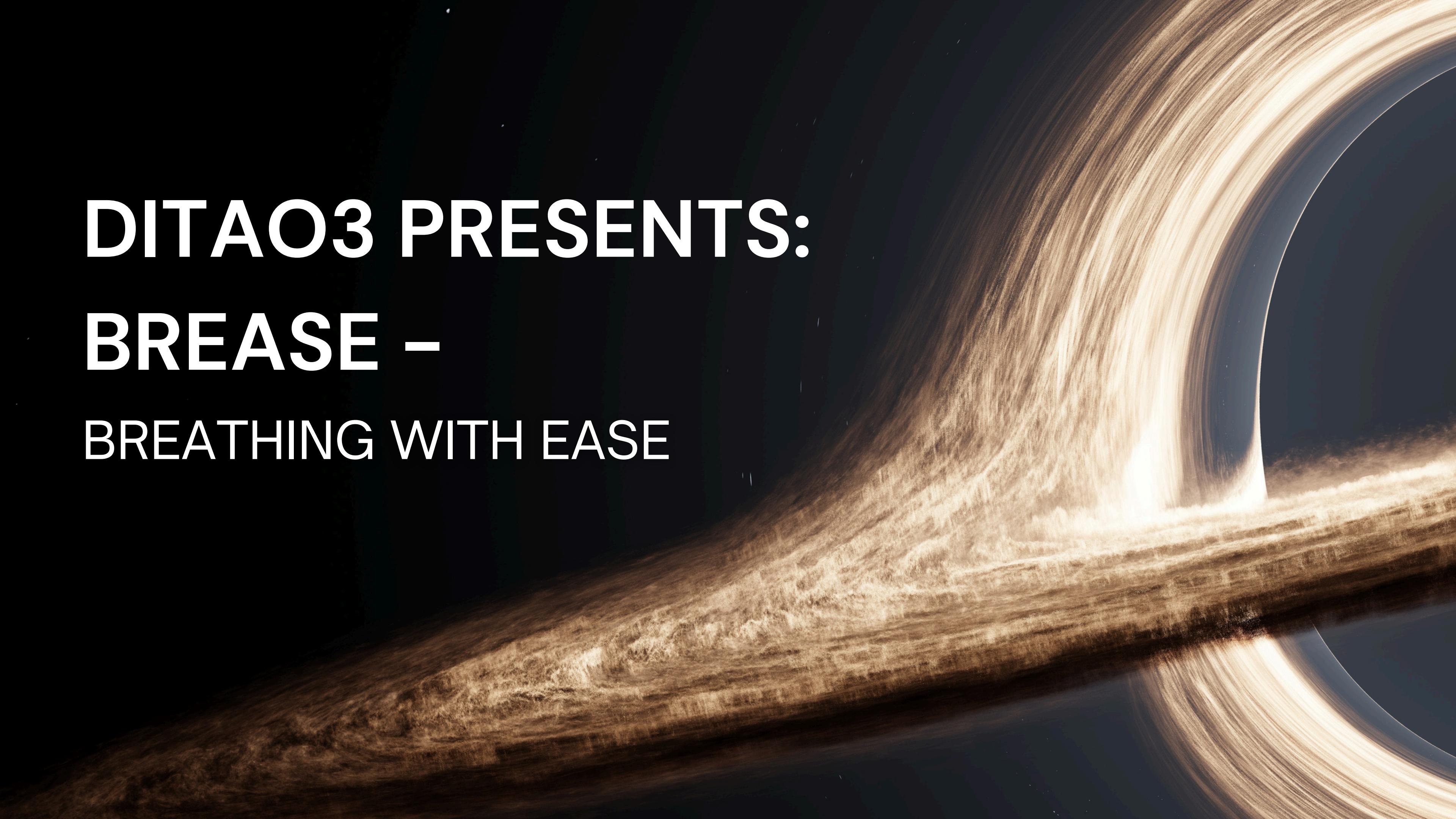
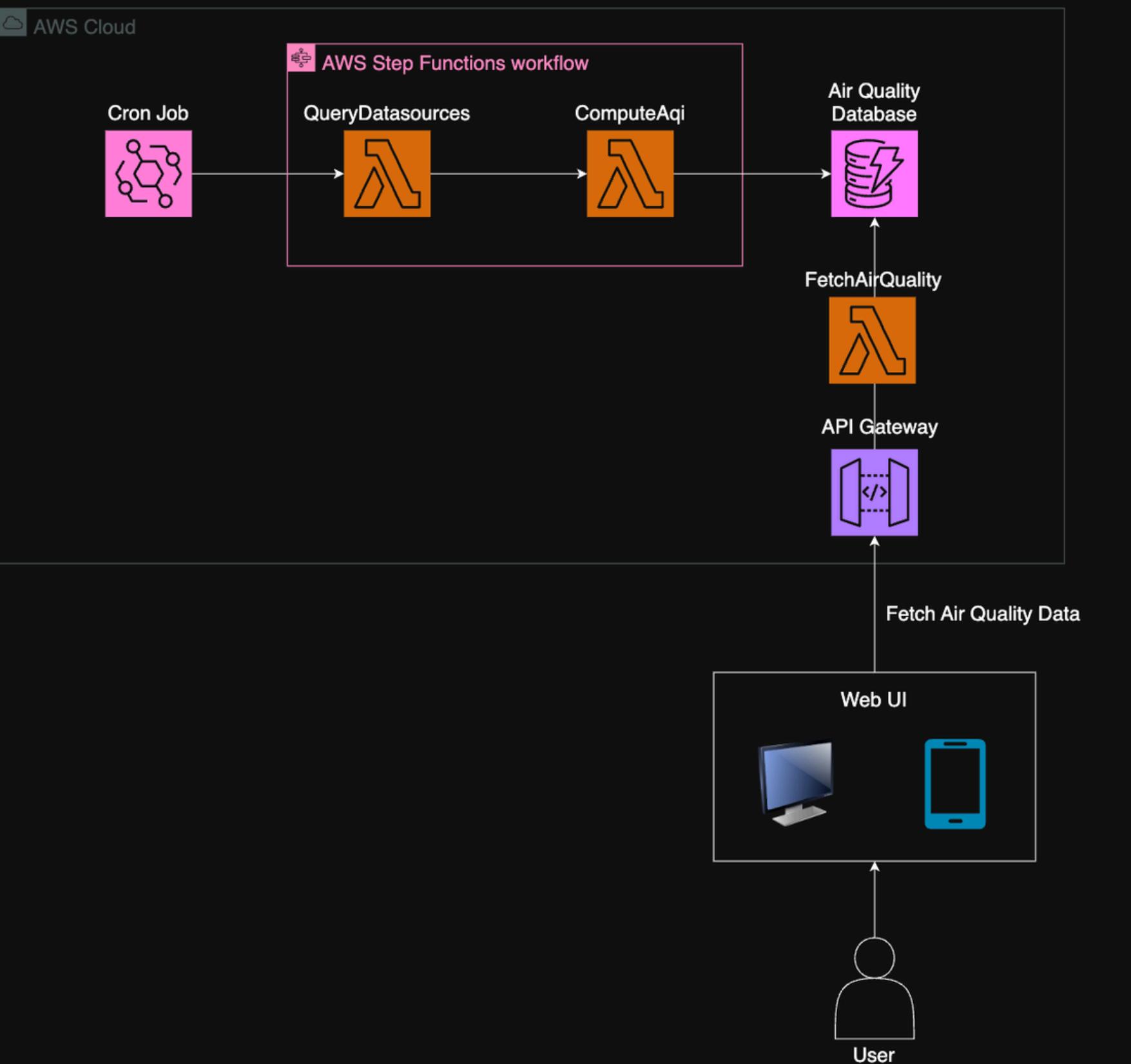


DITAO3 PRESENTS:
BREASE -
BREATHING WITH EASE



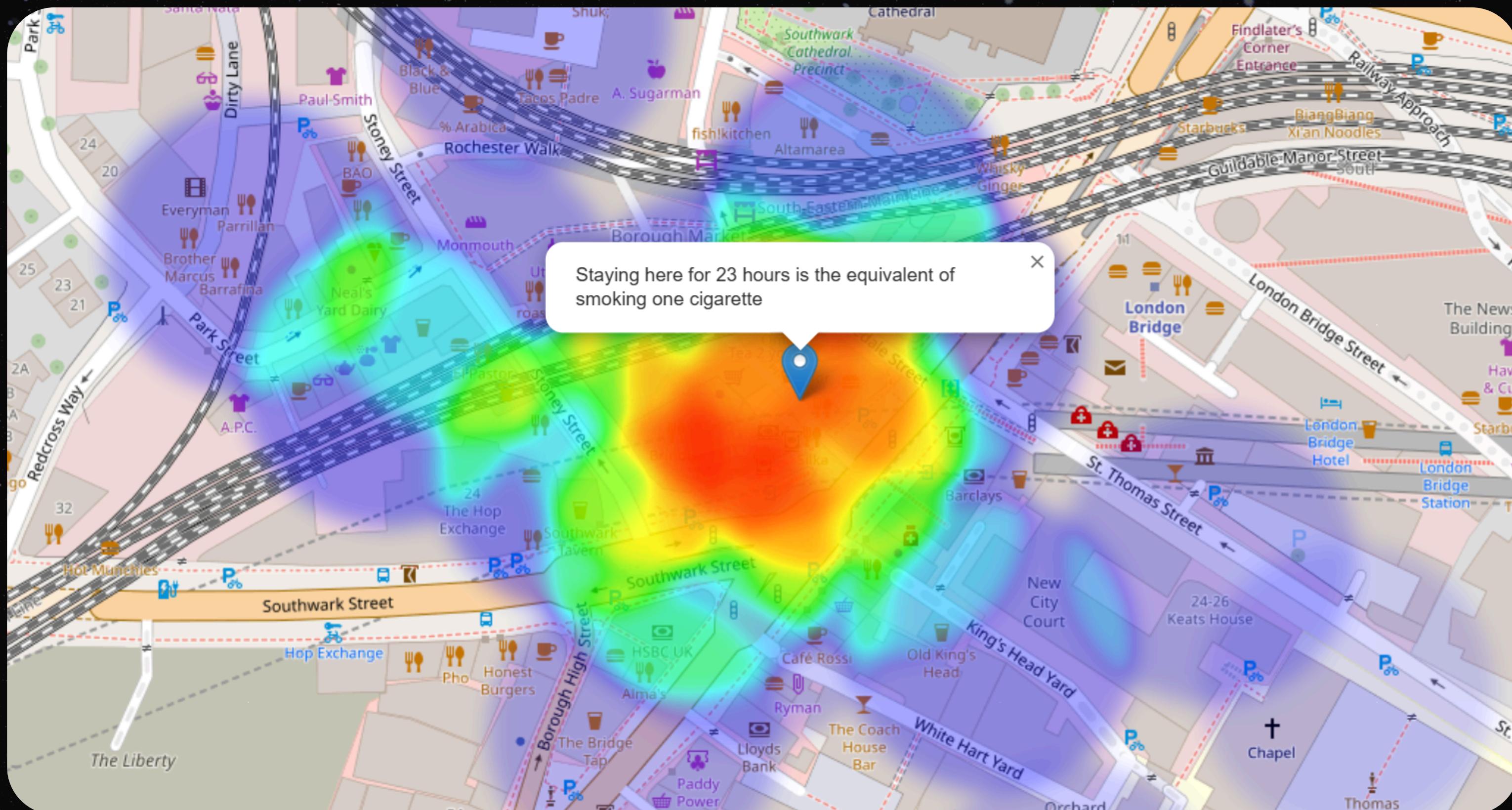
OUR IDEA

- Make NASA's TEMPO data from NASA more accessible to the general public
 - Problem: TEMPO's data is limited, it only contains certain measurements & locations
 - Solution: use other resources - OpenAQ (broader coverage)
- Make use of Air Quality Index (AQI) - a simple number calculated from complex pollution data, easily mappable to different levels of danger
- Use of Heatmap: visual representation with a simpler design than NASA's EarthAccess and WorldView
- Cigarette equivalent: our unique way of making users aware of the risks of poor air quality



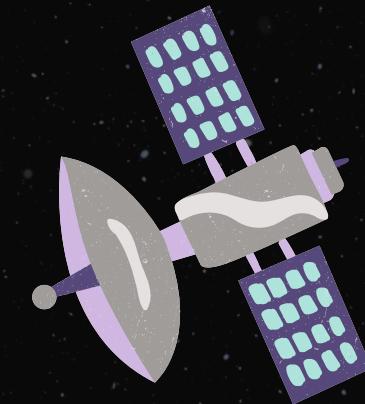
CURRENT ARCHITECTURE

EXAMPLE DATA VISUALIZATION - AQI





VISION & FUTURE



- **Action recommendation feature:** complementing the markers to include actions that users can take to prevent or handle the risks of air pollution
- **Creating predictions:** one possibility to expand the data usage is to use what was already collected to train models and create predictions of future timeframes and even emergencies , such as wildfires
- **Integrations with other projects:** during our research we found that many of the measurements can be collected from other NASA data collections (e.g., MOPITT, POWER, MAIA...). This could create the possibility of collaboration between different projects, which could benefit both parties as they can futher complement their collections with each others data.