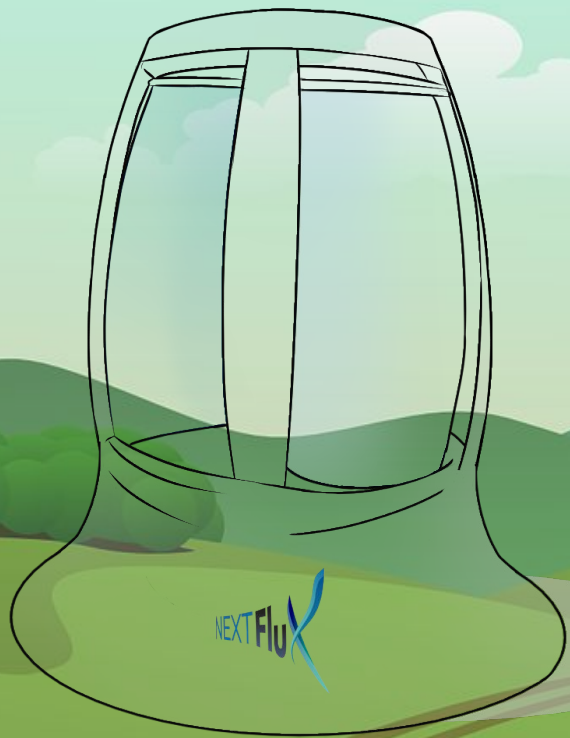
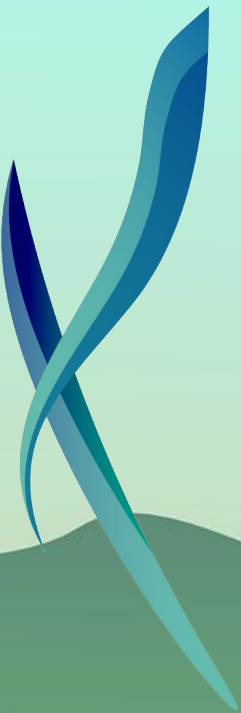


NEXT Flu



# OUR TEAM



DAMIAN RENE



Energy and  
Microcontrollers

MARTA BENITO



Mechanical Engineering

RUBEN SANTANA



Physics

CELIA TUNDIDOR



Biomedical Engineering

THAO TRAN

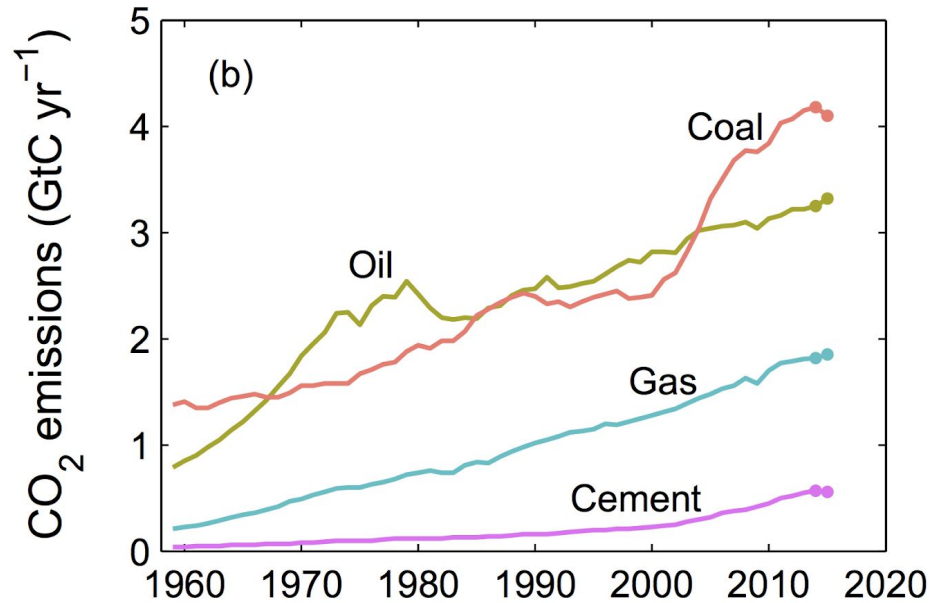


Environmental Earth  
Science

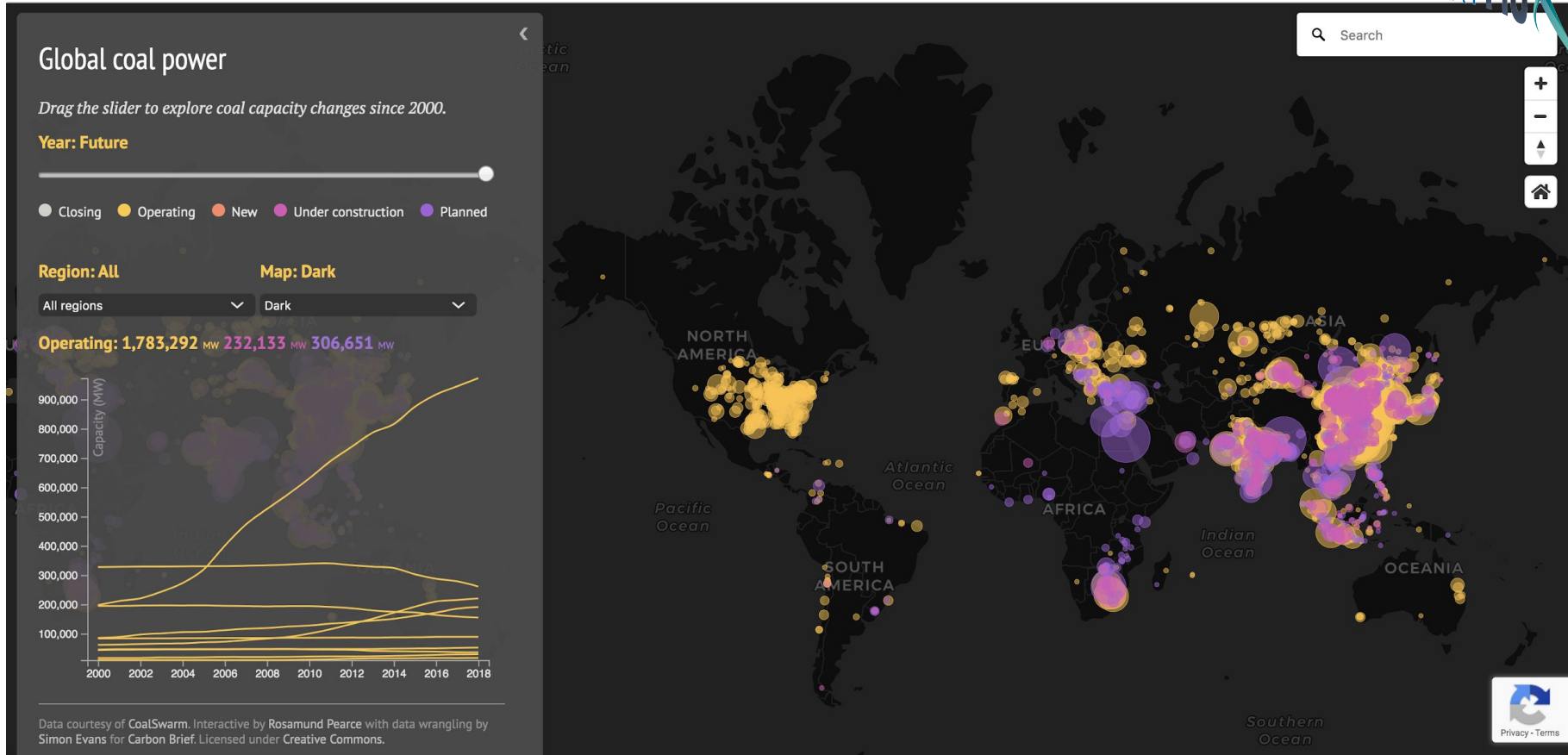
# WARMING PLANET CULPRIT: INCREASED GREENHOUSE GAS EMISSIONS



Global CO<sub>2</sub> Emissions by Fuel Type



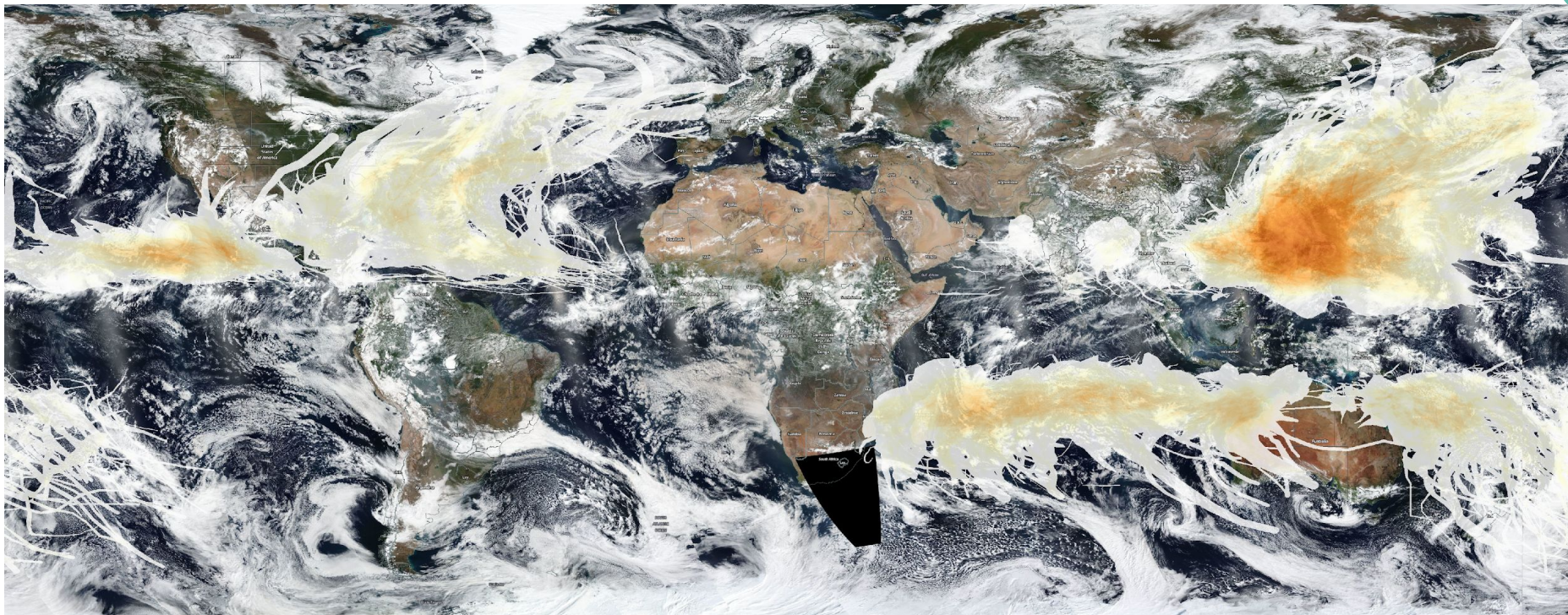
# OUR MOTIVATION



Source: Carbon Brief's map of global coal power plants. <https://www.carbonbrief.org/mapped-worlds-coal-power-plants>

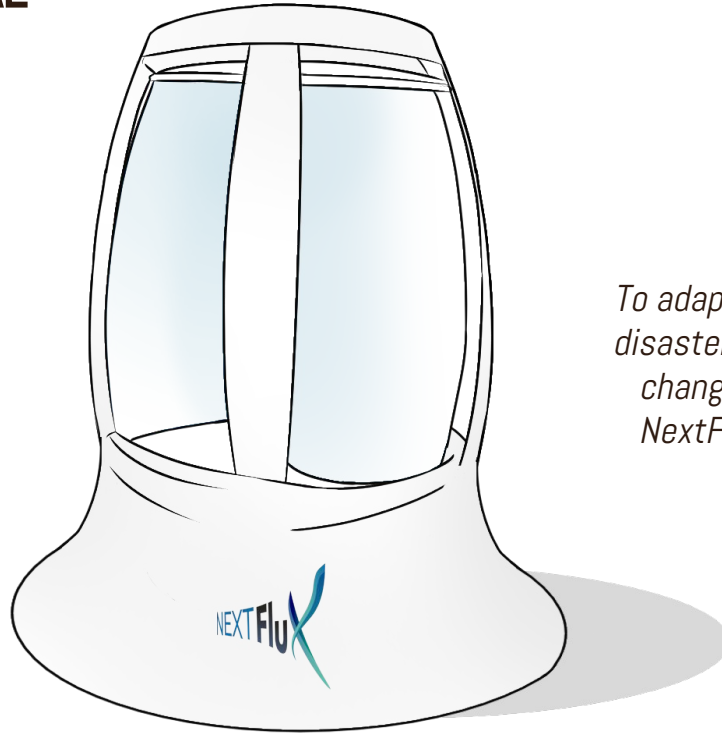


# GLOBAL CYCLONE HAZARD FREQUENCY AND DISTRIBUTION (1980-2000)



Source: NASA's Earth Observing System Data and Information System (EOSDIS) Worldview Tool

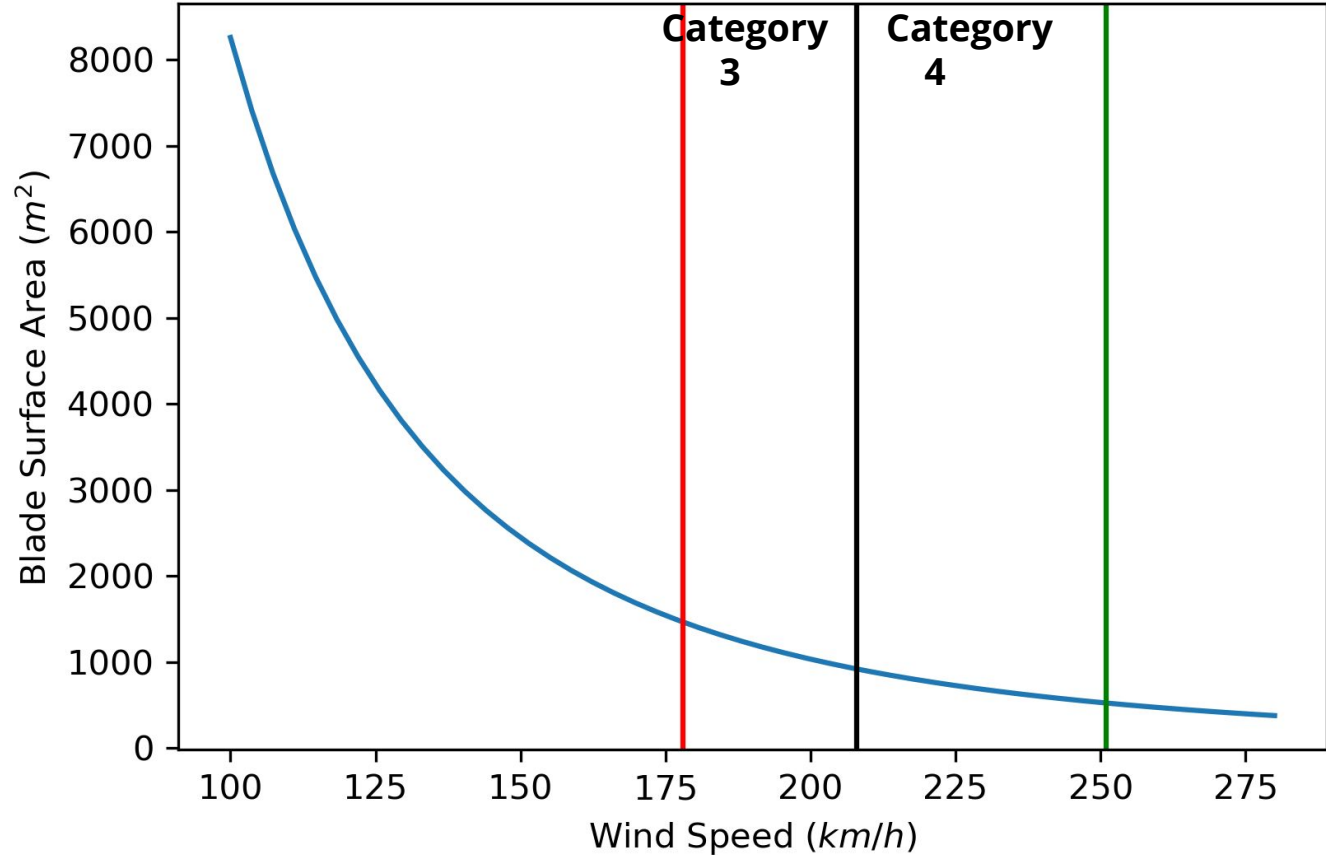
# OUR TECHNOLOGICAL INNOVATION



*To adapt to climate change induced natural disasters, we need to be able to constantly change with these changing conditions. NextFlux is the innovation of the future!*

# OUR SOLUTION

Surface Area and 0.45% Efficiency of Turbines to Produce 50MW/h





## ABOUT US

Inspired by NASA's Space Apps Warming Planet, Cool Ideas challenge, we designed NextFlux, a resilient wind turbine that can harness energy from tropical cyclones and offset existing greenhouse gas emissions.





# TARGET AREAS



## Project 1

United States  
of America

## Project 2

Asia  
(especially  
China, Taiwan,  
and the  
Philippines)

Regions that are tropical cyclone prone and have GHG emitting power plants (primarily coal).

# NEXT STEPS

01

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PROJECT 1

Reach maximum efficiency and revolutionize the wind industry

02

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PROJECT 2

Bring NextFlux paradigm to Asia, where coal plants are preferred over renewable energies, even for future projects

A photograph of a modern concrete building facade with a large "THANKS" sign. The building has a textured, grey concrete surface and a series of dark, rectangular windows. The word "THANKS" is written in large, bold, black capital letters on the upper part of the facade.

# THANKS

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