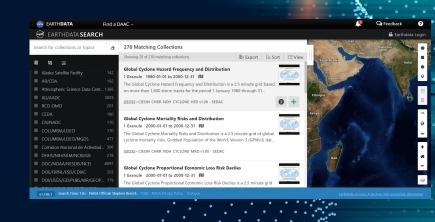
Energy Explorer

Team: Spam W

Veevek Dave, Mei Huang, Yash Choksey, Rashona Yang, Oluwapamilerin Amuda The current NASA data paths and archives are getting in the way of Citizen Science.



What is



Energy Explorer is a website that aims to reduce the barrier to entry for the general public. Focusing on what renewable energy sources are "viable" for a given region

Stakeholders And Users

- National Aeronautics and Space Administration (NASA)
- Rensselaer Polytechnic Institute (RPI)
- RPI Students
- Professor Callahan
- Citizen Scientists
- Science Interested
- General Public

Personas





Bobby the Scientist

Bobby is a scientist at NASA and he's researching ways to increase Nasa's internal usage of Bio thermal energy to reduce climate change

Sammy the Student

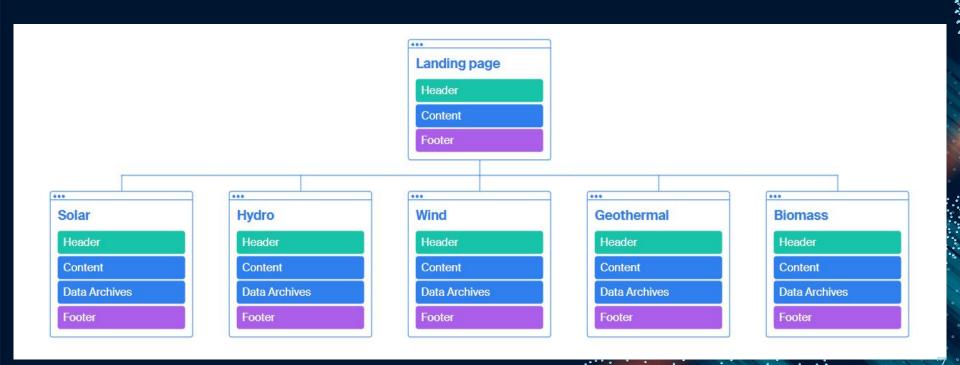
Sammy is a student in high school and he's just learnt about Solar energy in science class. He's curious and wants to learn more.

Personas (cont.)

 Energy Explorer is able to serve both personas even though they have varied need. Because the data is so accessible and streamlined can help both our personas by giving them access to the data they need in concise and accessible ways



Site Map



Wireframe

Landing page









Geothermal

Biomass

Energy Explorer

Mission Statement

Our mission is to utilize NASA data to educate and inform the public about renewable energy sources, promoting sustainable living and a greener future for all through accessible and user-friendly resources and interactive tools.

Description

Learn more

Our website is dedicated to using NASA's research and data to educate and inform the public about the benefits and advancements in renewable energy. We believe in a sustainable future for all and strive to make learning about clean energy accessible and engaging for everyone. Our interactive tools and resources will help you understand and explore the possibilities of a greener planet.

Frequently Asked Questions

How does NASA use renewable energy sources in its operations?

How does NASA contribute to the development and advancement of renewable energy technology?

How does the use of renewable energy impact NASA's mission and goals?

Can you provide examples of specific NASA projects or initiatives that utilize renewable energy?

How does NASA educate and engage the public on the importance and benefits of renewable energy?

Rec. Links

2022 Data

2021 Data

2020 Data

2019 Data

Contact Us

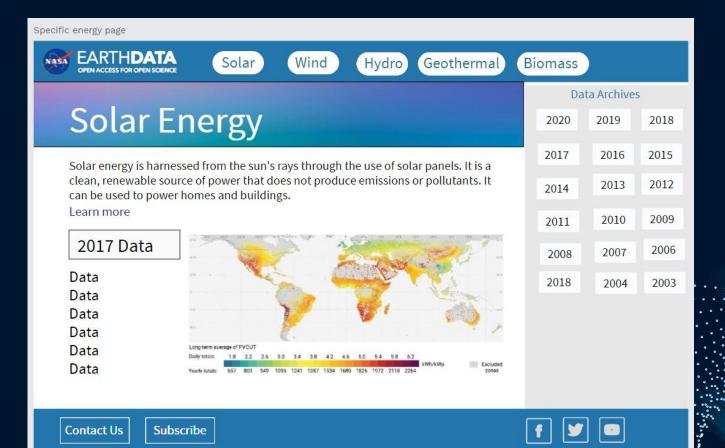
Subscribe







Wireframe



Functional Requirement

- People: Users must be able to navigate the Energy Explorer data pathfinder with ease on their device(s).
- Process: a Landing Page and associated pages for the different types
 - o Navigable, Selectable, Accessible, Searchable
- User Interface: The user interface must be similar to current pathfinders and be intuitive to use for the general public.

Non Functional Requirement

- Software: Cross Platform
- Data Collection + Storage: store and fetch updated or additional NASA data relevant to their pathfinder.
- User Experience: ensure accessibility and iterative testing
- Performance: handle regular expected traffic
- Scalability: scale as the amount of data and users
- Maintainability: maintainable within the next 5 years

Tech Stack

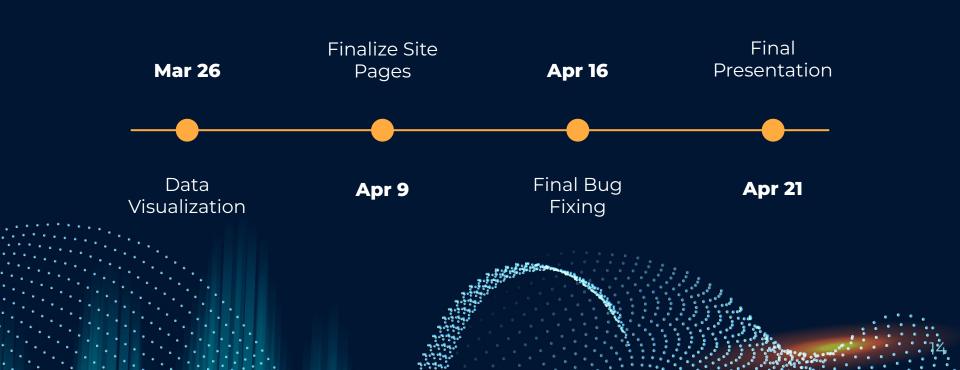


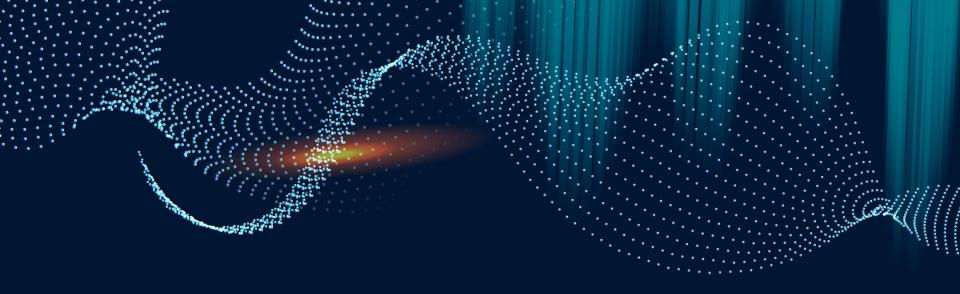
MEAN STACK

TIMELINE (1/2)



TIMELINE (2/2)





SPAMW Thank you Questions?