

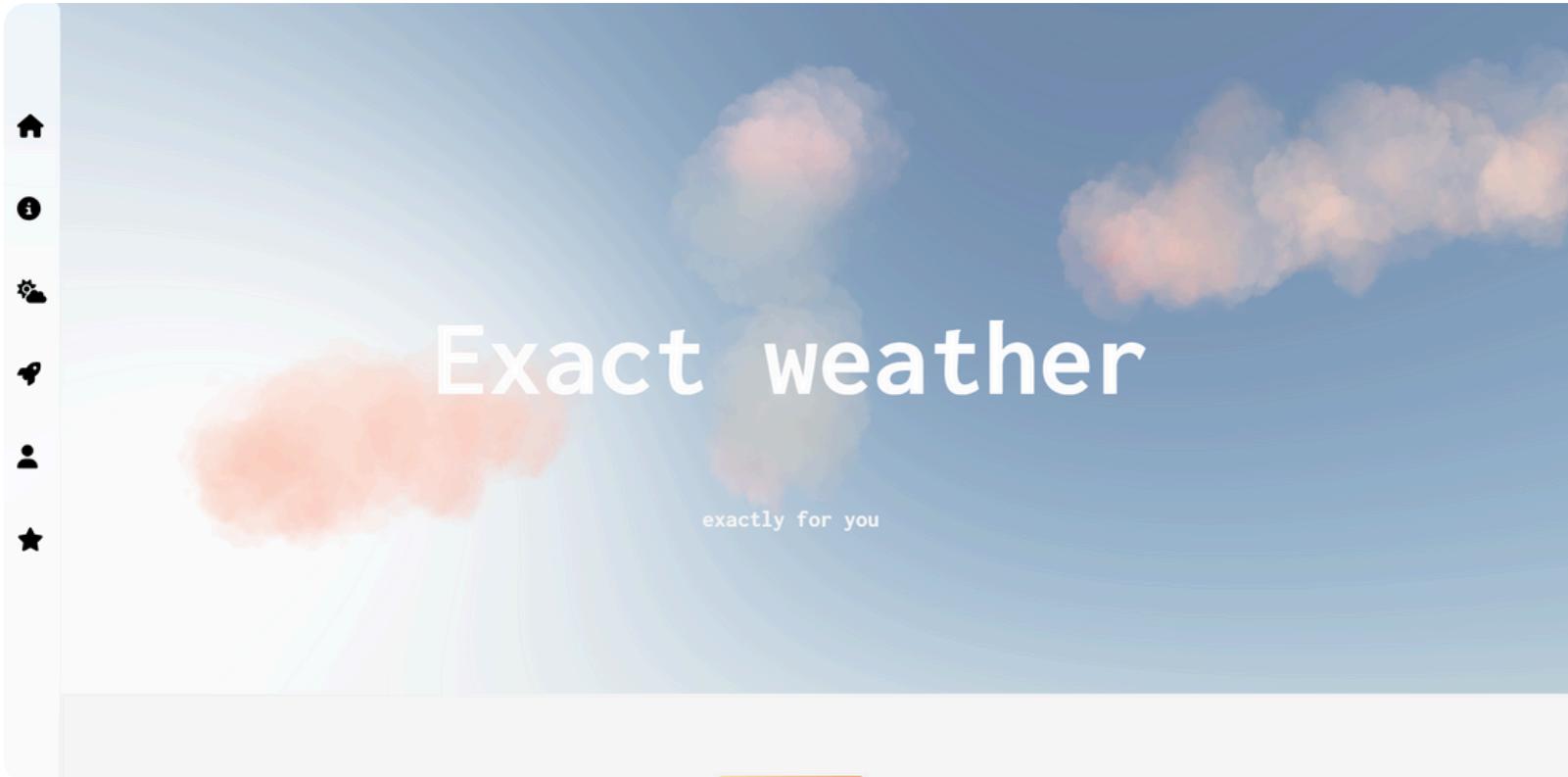
# **WAPA: Weather and Advanced Predictions App**

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**Simone Lutero**



# Goals

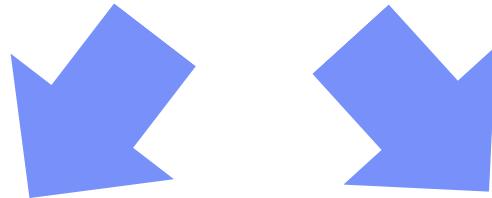


## User functionalities

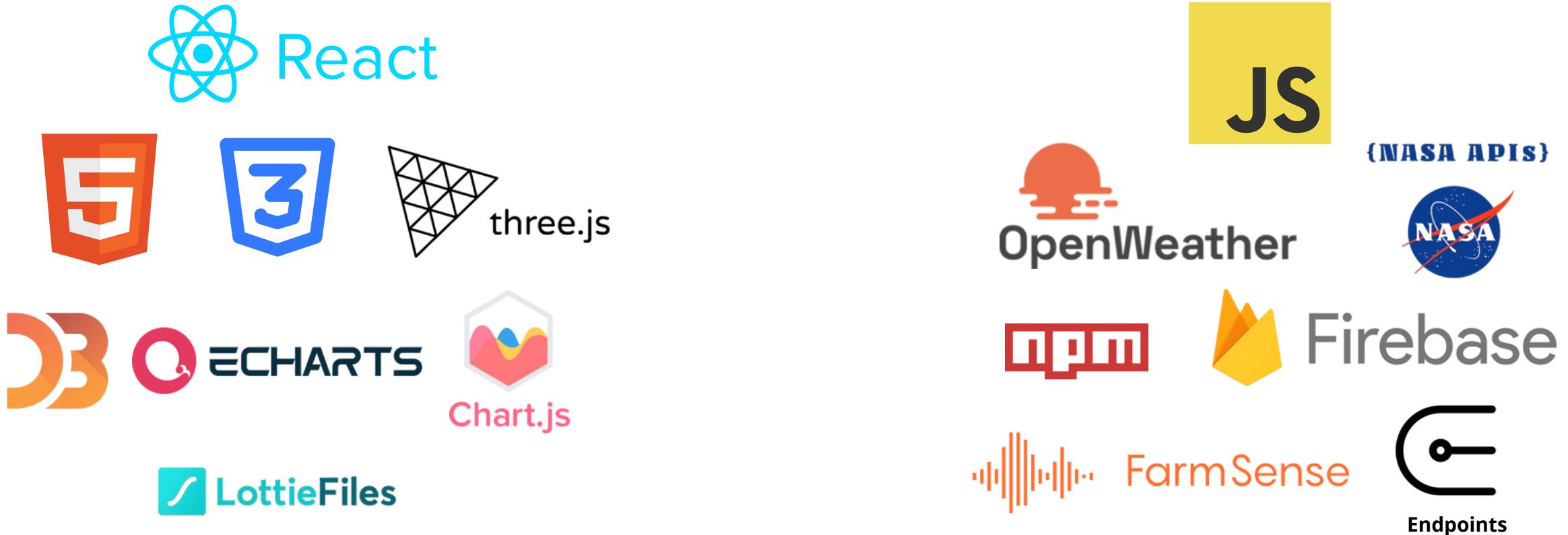
- View basic climate data today, short term and long term with graphs
- Registration and user access to add up to a maximum of 6 favorite locations
- View daily images and graphs representing astronomical events and data
- User experience customization

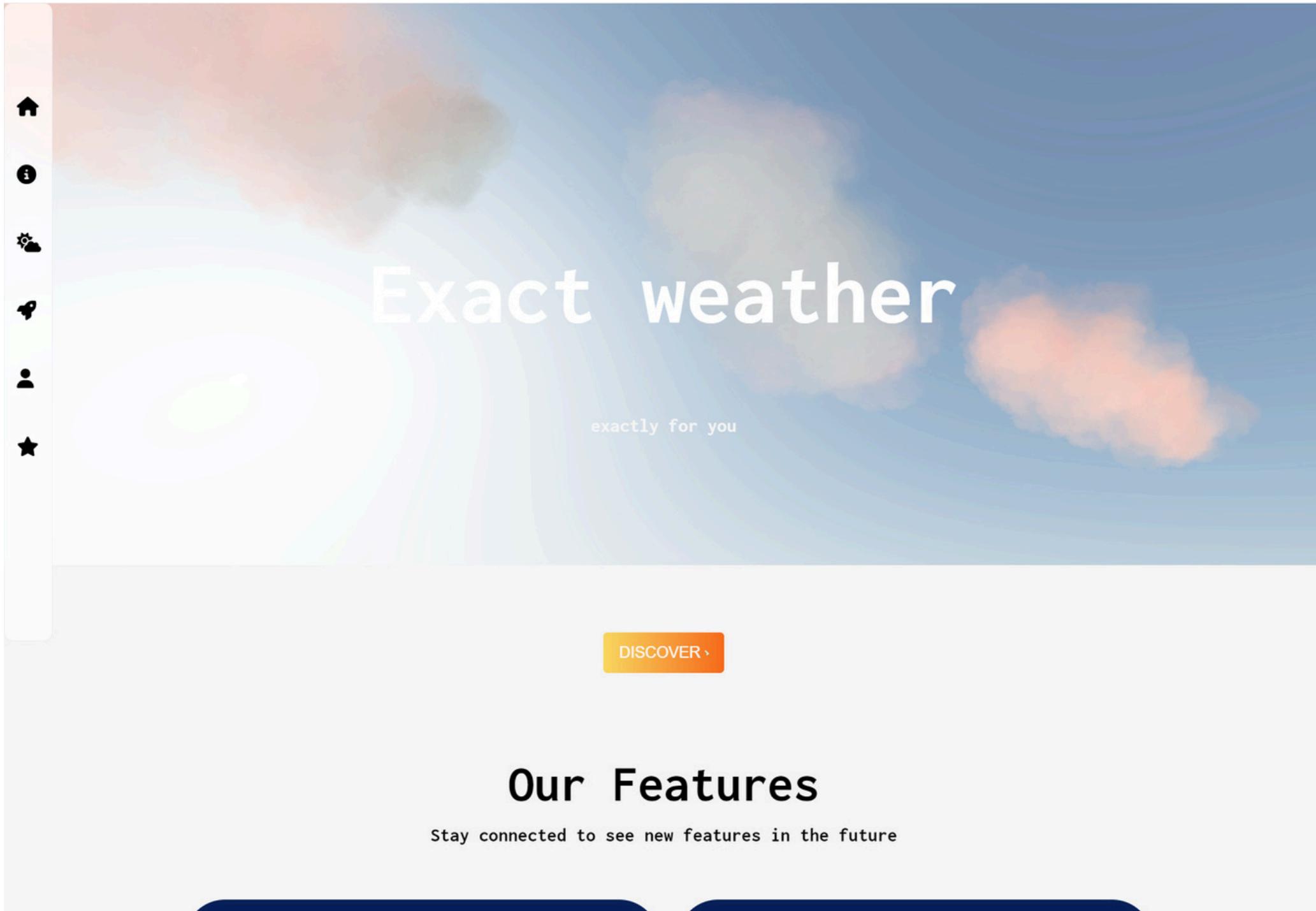
# Technologies and languages used

Front-end:



Back-end:







## W-A-P-A

Weather Advanced Predictions App. With Wapa you will be updated about all weather conditions and advanced informations about the universe. See our climatic features and enjoy all your days with us!

### Weather in one click

WAPA provides all the weather information you need in an instant. Simply enter your location and instantly discover essential data like temperature, pressure, humidity, wind speed, and much more.



### Locations

Join us and add (with a max of six) or remove your favorites locations directly from the weather screen or your reserved page. Then with only a click in one city you can see a lot of informations!

### Galactic predictions

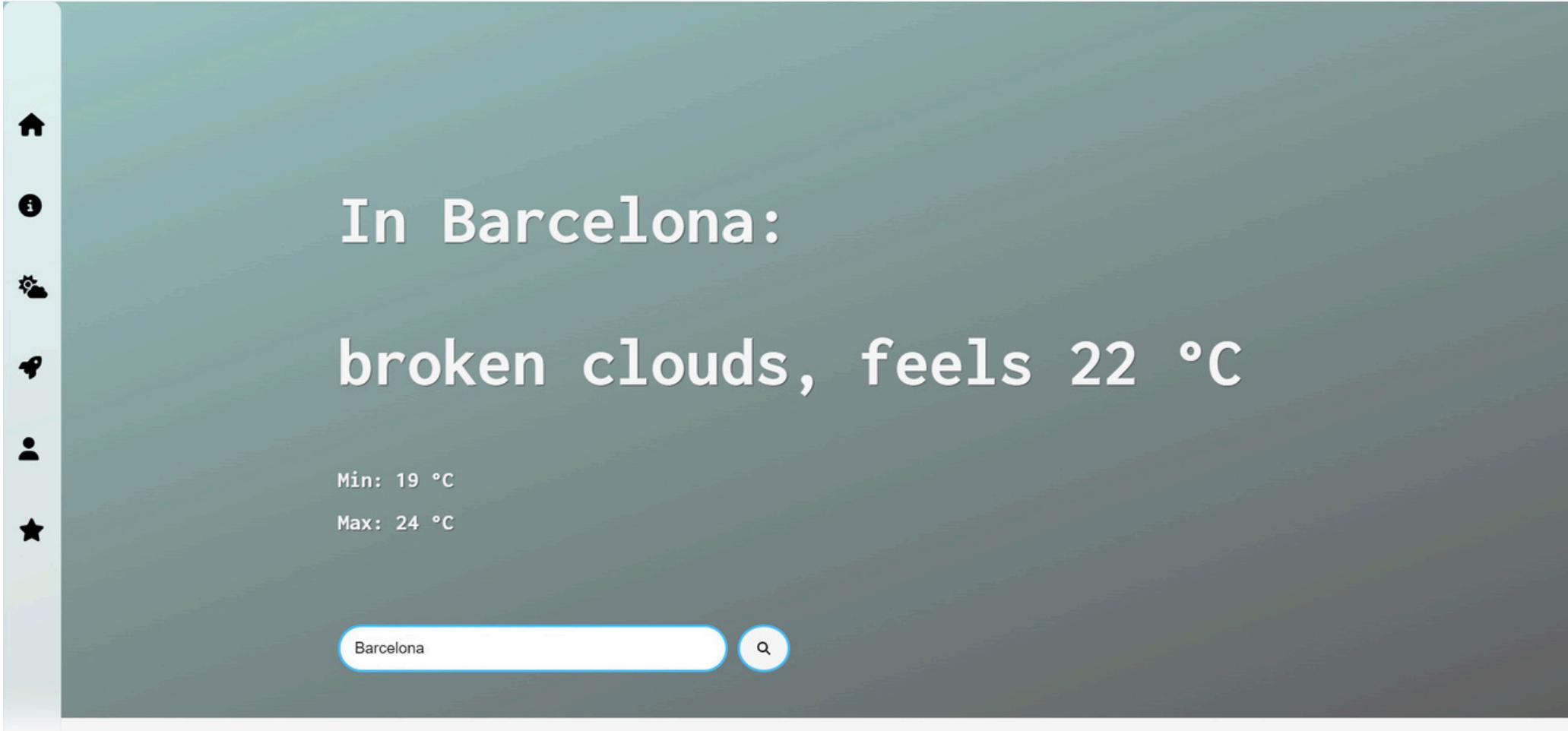
Using data directly from NASA's API, our web app delivers advanced predictions with incredibly detailed insights about natural events and the universe, like celestial events. You also can watch some daily photos about Mars and the Earth!

# Join WAPA!

Become part of our community and gain instant access to your favorite places, advanced predictions, and a customizable experience.

Don't wait! Your new WAPA experience starts here 

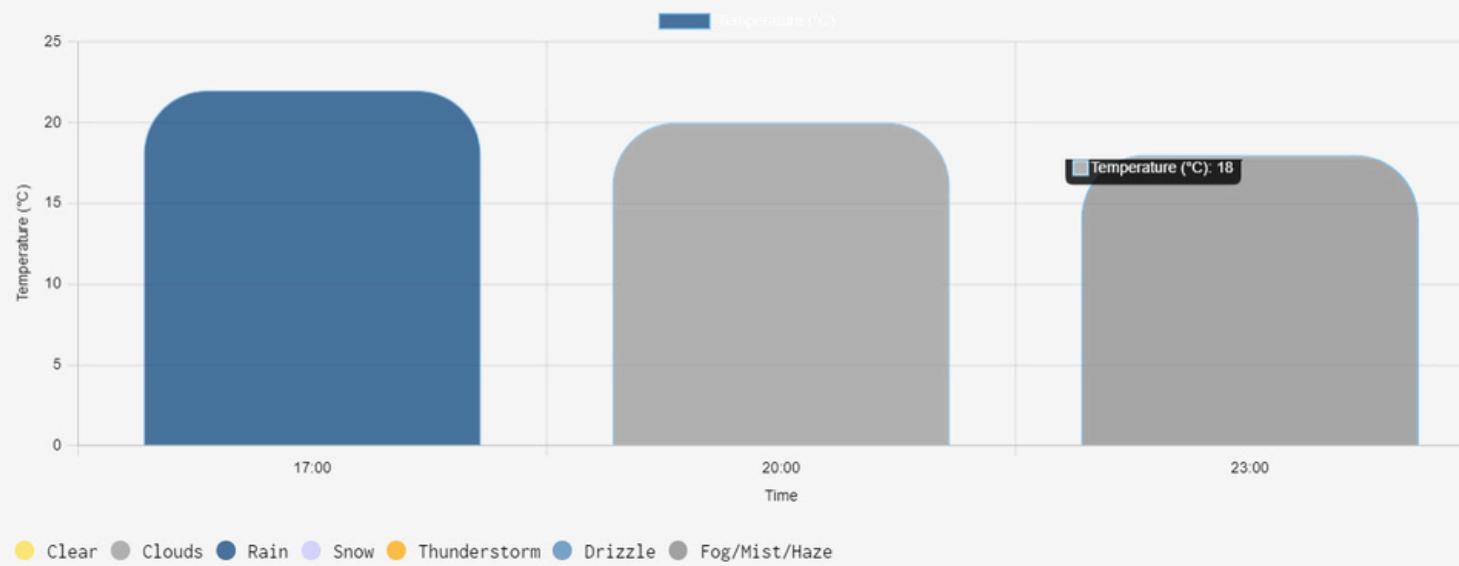
[Sign up](#)



## Next 5 days

Day	02:00	05:00	08:00	11:00	14:00	17:00	20:00	23:00
Fri	18°C	17°C	17°C	18°C	17°C	19°C	15°C	16°C
Sat	16°C	16°C	16°C	17°C	19°C	20°C	19°C	19°C
Sun	18°C	18°C	17°C	19°C	21°C	22°C	21°C	20°C
Mon	19°C	19°C	19°C	19°C	21°C	21°C	20°C	20°C
Tue	19°C	19°C	18°C	20°C	22°C			

Today:



Wind speed



Atmospheric pressure



Clouds 75%

Humidity 70%

Temp Min: 19.52 C°

Temp Max: 24.37 C°



Sunrise at 08:05:32



Sunset at 19:07:26

Dew Point

8%

Air Poll.  $\mu\text{g}/\text{m}^3$

1%



Navigate the Earth 🔄

EXPLORE >

2024-10-17

Lunar Phases for today

Phase: Full Moon

Illumination: 1%

## Celestial events

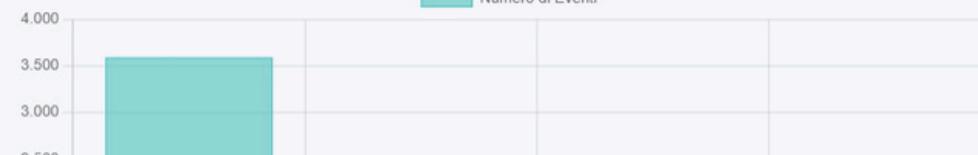
**The Clipper and the Comet:** NASA's Europa Clipper is now headed toward an ocean world beyond Earth. The large spacecraft is tucked into the payload fairing atop the Falcon Heavy rocket in this photo, taken at Kennedy Space Center the day before the mission's successful October 14 launch. Europa Clipper's interplanetary voyage will first take it to Mars, then back to Earth, and then on to Jupiter on gravity assist trajectories that will allow it to enter orbit around Jupiter in April 2030. Once orbiting Jupiter, the spacecraft will fly past Europa 49 times, exploring a Jovian moon with a global subsurface ocean that may have conditions to support life. Posing in the background next to the floodlit rocket is Comet Tsuchinsan-ATLAS, about a day after the comet's closest approach to Earth. A current darling of evening skies, the naked-eye comet is a visitor from the distant Oort cloud Growing Gallery: Comet Tsuchinshan-ATLAS in 2024 (Date: 2024-10-17)

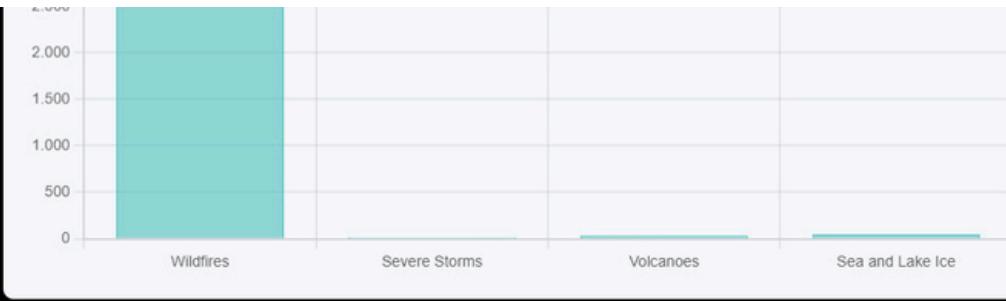
## Natural events by category

Distribution of natural events by category

Distributions of natural events by category

Numero di Eventi



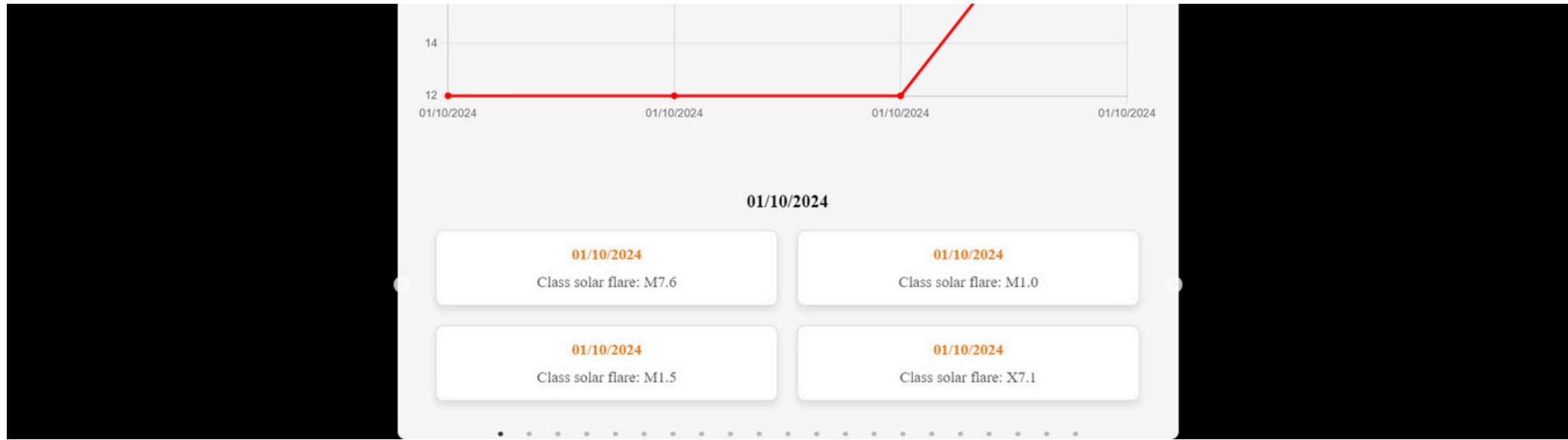


## Objects near Earth

<b>4769 Castalia (1989 PB)</b> Data of approach: 2024-Aug-01 19:27 <b>Diameter:</b> 868.1 - 1941.1 m <b>Velocity:</b> 38279.75 km/h <b>Distance form Earth:</b> 61535213.327532455 km	<b>(2010 PK9)</b> Data of approach: 2024-Aug-01 14:16 <b>Diameter:</b> 115.5 - 258.2 m <b>Velocity:</b> 99843.83 km/h <b>Distance form Earth:</b> 48891456.673817184 km	<b>(2012 DN14)</b> Data of approach: 2024-Aug-01 15:05 <b>Diameter:</b> 30.5 - 68.2 m <b>Velocity:</b> 25348.25 km/h <b>Distance form Earth:</b> 68179835.288431157 km	<b>(2015 TM178)</b> Data of approach: 2024-Aug-01 18:19 <b>Diameter:</b> 139.5 - 311.9 m <b>Velocity:</b> 21424.74 km/h <b>Distance form Earth:</b> 72605609.898057064 km	<b>(2015 VH2)</b> Data of approach: 2024-Aug-01 21:26 <b>Diameter:</b> 8.8 - 19.7 m <b>Velocity:</b> 22605.48 km/h <b>Distance form Earth:</b> 67421219.029338902 km
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## Timeline of Solar Eruptions





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exact  
weather ☀  
exactly for you

In Los Angeles:  
fog, feels 17 °C

Los Angeles

Next 5 days

Da 02:00 05:00 08:00 11:00 14:00 17:00 20:00 23:00

### Sign In

Email

Password

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[Sign In](#)

Or sign in with

G+

[Don't have an account? Sign Up](#)

In Rivarolo Ligure:  
broken clouds, feels 17 °C

in: 15 °C  
ax: 18 °C

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Abu dabi X

Barcelona X

Milan X

# Simone Lutero

Student of IT | Junior Full Stack  
Developer

## Contacts and portfolio



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