

# Application to plan a trip to the seaside based on data from Copernicus

# Aim

- The idea is to create an application that will help people to plan trip to the seaside based on Copernicus (Copernicus Marine Environment Monitoring Service, Copernicus Atmosphere Monitoring Service, European Centre for Medium-Range Weather Forecasts) data and possibly other open datasets.

# Thermal Comfort

- Air temperature
- Relative Humidity
- Wind speed
- Sea temperature

# Water Quality

- pH
- Bacterial presence
- Other criteria (amount of seaweeds etc.)

# Air Quality

- Carbon Monoxide (CO)
- Ozone
- Sulfur dioxide
- Nitrogen dioxide
- PM10
- PM2.5
- Pollens
- Other substances

# Ultraviolet Impact

- UV index (1-11+)

# Data sources

- Copernicus Atmospheric Service
- Copernicus Marine Environment Monitoring Service
- National Centers for Environmental Information (Global Forecast System)
- European Environmental Agency (station monitoring networks)

Thank you for the attention!