

Group - Abacus

Project scope

The scope of this project is to create an app that allows users to track the current air quality in Gothenburg (maybe whole Sweden?). This will help people with various health issues to avoid exposure to potentially harmful levels of air pollutants. To promote easy use we decided to make an Android app. The app will have a visual indicator to show if the levels are low, or if they are high and harmful. It will use the GPS to get the current position and open street data from Göteborgs stad. We connect this to goal 3, Good health and wellbeing and goal 13, climate action in the UN Sustainability Goal.

Business model

The target audience are people interested in air quality and how it can affect their health. Examples of people who may find this app valuable are people with breathing difficulties such as asthma, or families with young children who may want to avoid polluted areas. Based upon the data the App provides, they can make decisions on routes or areas to avoid.

Visual representation of our app

Showing data of current location

City: Göteborg

Auto-detect

Displayed values:

NO2	<input type="checkbox"/>	<input type="checkbox"/>
NOx	<input type="checkbox"/>	<input type="checkbox"/>
O3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PM10	<input type="checkbox"/>	<input type="checkbox"/>
PM2.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Values at closest measuring station:

O3: 4.121

PM2.5: 17.312

Map

