

Weather Data Application

As companies grow and get more competitive the need to manage and improve business processes becomes bigger and bigger. The target of this project is to tackle the problem of managing and optimizing the process of growing trees in a tree nursery.

The goal of this project is to develop an application that is able to make collected weather data easier to use. Part of this is to create a software that shows the weather conditions in a graphical way on a map. This way the user can easily spot differences between different areas on the map.

The Weather Data Application is an idea of Boomkwekerij Fleuren and Solino, who made a working concept with students of Fontys University.

For more information, visit: www.greentechlab.nl/weather-data-application

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Algorithms

One of the parts in the project is to make use of machine learning algorithms to interpret the collected data. This can be used in several useful ways. For example the identification of undesired conditions for tree/plant growth or the prediction of rainfall.

Working prototype

Displayed is the working prototype of the project. It shows 25 weather zones with the current sensor readings inside each zone. The zones are colored depending on the displayed sensor value to make differences stand out more.

