

TreeMap Kamp-Lintfort

Collecting Sensor Data with LoRa and MQTT



To monitor the soil moisture content of a few selected trees in the LaGa area in Kamp-Lintfort, we installed some [dragino Lse01](#) LoRa sensors. The sensors send their data via LoRa to an Imst Gateway located on top of the old winding tower, which then forwards the data to a chirpstack server. Since the server has an integrated MQTT-Broker, we can use the MQTT node in node-red to get our data and save it to an influx database. You can find a guide on how to set up the node here: [node-red MQTT setup with TLS](#).

The data is displayed on a [Grafana dashboard](#).

TreeMap Kleve

TreeMap Xanten

From:

<https://student-wiki.eolab.de/> - HSRW EOLab Students Wiki

Permanent link:

<https://student-wiki.eolab.de/doku.php?id=eolab:treemap:start&rev=1629819331>

Last update: **2023/01/05 14:38**

