

Lesson Five - Background Contextual Knowledge

Importance of having the sensors dispersed across the landscape:

We aim to have weather stations spatially dispersed across the Townsville region. It is important to have the temperature sensors dispersed across different locations to provide ongoing status updates of our environment. The temperature map aims to become a scaled solution for environmental monitoring. Using the LoRaWAN Network, this solution can be added to over time to expand the studied area. It is also important to have information specific to a suburb or area to gain specialised knowledge about how different assets, native flora and fauna, and environmental conditions affect temperature and humidity.

The deployment:

Townsville City Council will bring all necessary equipment to install the weather stations. Accompanying us will be some of our Community Environmental Restoration Team members who are going to assist with the labour works involved during installation. We will bring the weather stations with us.

What is expected of the school?

We will meet your classes at the arranged installation spot, and therefore you will need to organise transportation. Students are expected to be wearing sun safe clothing, bring a hat and water bottle.