## Live Weather Data





On this project we are developing a portable module that will use a tethered smart phone to take advantage of its data transmission, Global Positioning System (GPS) data and processing capabilities. This will enable us to develop a network of meteorological data loggers that will be capable of transmitting live data.

This data would be of valuable importance for the meteorology community and would enable them to do more accurate predictions of the weather changes. This is very useful since the data will be able to let meteorologist make more accurate forecasts and with a larger leading time.

As can be seen in the diagram below, the weather module will communicate with a smartphone through Bluetooth. The smartphone

then gets its location through GPS and sends the weather data and location to the server well all the data is stored and where its available for scientific use or any of the other users of our weather modules.

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## **Mobile Weather Module**