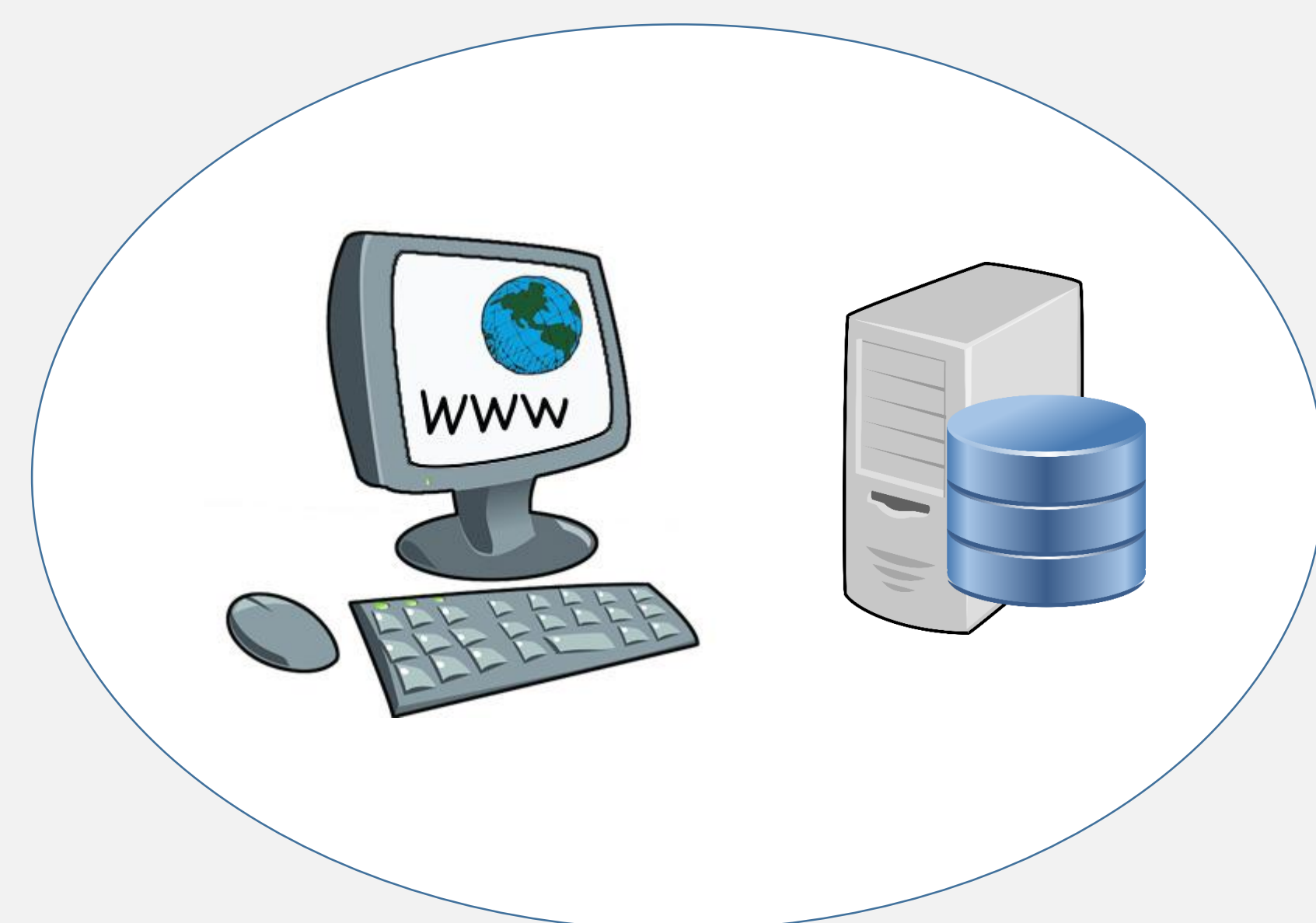# Mr. Meteo
2.0
Weather Forecast for Rural Farmers

Francis Dittoh

Mr. Meteo 2.0 is aimed at reducing the lack of knowledge of climatic conditions within farmers in rural areas. The system will, using available sources of weather information and forecasts, provide daily weather forecasts to rural farmers

Possible **Weather Data Sources** include National Metrological Services, Local Weather Stations and Satellite Data. Accuracy and validity must be determined and the best Forecast source chosen. This could be a weather forecast algorithm using the above data sources or pre-existing online weather forecasts.
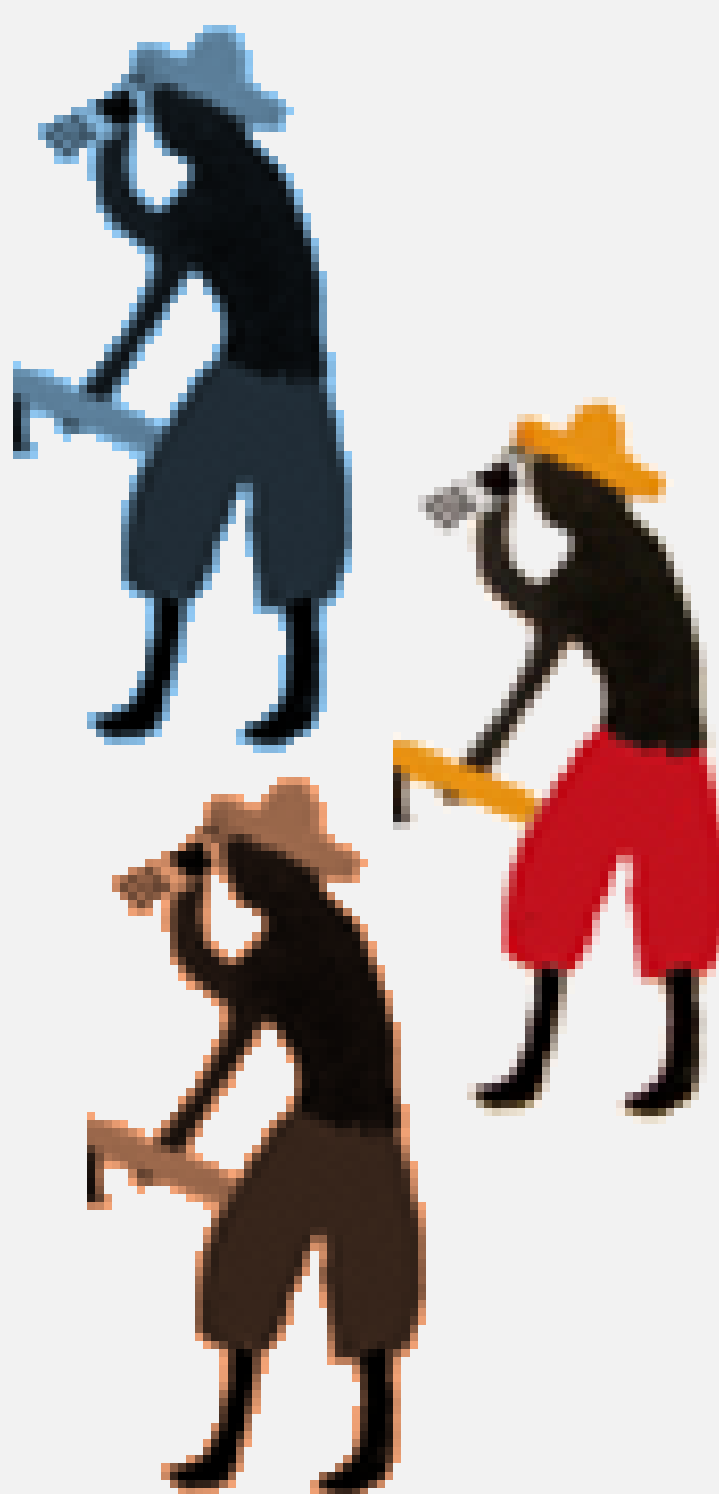
Source

Forecast

Dissemination of daily forecasts will be required to use technologies accessible to the farmers. These include SMS, Voice Calls and Radio. This introduces the need to handle issues related to **language** and user interface

Dissemination

This is Yakubu

Yakubu is from Guabuliga in the Northern Region of Ghana. Due to the recent changes in weather from what Yakubu used to know, he wants some forecast of the weather which he has heard is possible.
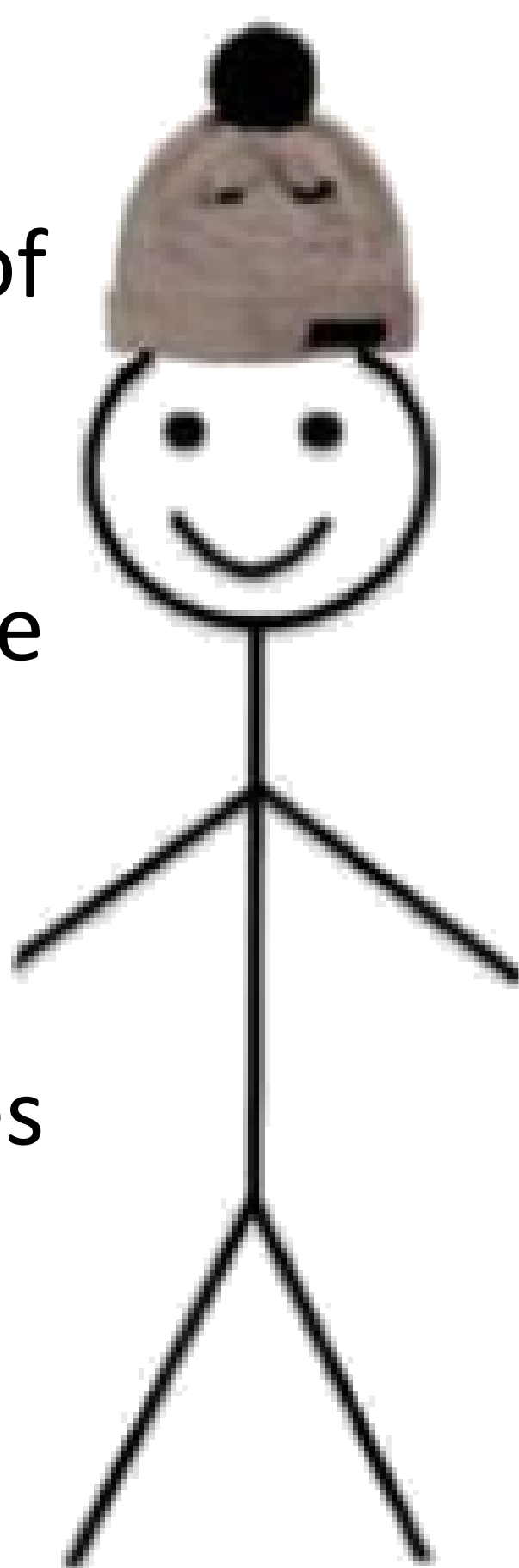
Yakubu calls the local radio station and gives them the name of his village and his phone number.

Yakubu is then informed that he has to pay a certain amount to a number by mobile money, which he does

The next day, Yakubu receives an SMS with symbols which were explained to him by the radio station

Yakubu knows it'll rain heavily within the next 2 days

Yakubu is smart. Be like Yakubu

A **Sustainable Business Model** is required and the technologies should be built with this in mind. Farmer's willingness to pay for the service is an indication of need for the service, however lower running costs will encourage **local developers** as well as aid to increase users