Data Turbine Android Sensor Pod
Taiwan Forest Research Institute (TFRI)

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July 20, 2012
Project Proposal

- This project will assist researchers at the Taiwan Forest Research Institute (TFRI) in developing and testing an environmental monitoring system based on the Android platform and the DataTurbine software.

- As for my part, I will focus on integrating a weather station at the TFRI research station with the DataTurbine Android Sensor Pod developed by my mentor’s research group at UCSD.
Progress: Safety First!

- Changed the wire connections to prevent any battery spark/shocks in the future.
- Used a water proof box to place the solar charger, car batteries and the ioio board.
- Had Skype session with mentors at UCSD and discussed future plans.
Goals for next week

- Test the overall system including the Vaisala weather station
- Set up Vaisala’s sampling rate
- Research on a suitable case/box that can be installed on top of a tower and protect the phone in the field station
Day Trip to Jiufen
Prime Family & Friends at Beito Gourds Museum

July 19th, 2012
Prime Coordinators
- Gabriele Wienhausen
- Peter Arzberger
- Teri Simas

Mentors (TFRI)
- Chau Chin Lin
- Sheng-Shan Lu
- Yu-Huang Wanf

Mentors (UCSD)
- Tony Fountain
- Peter Shin
- Gesuri Ramirez

Collaboration with:
- Ariana Tsai