

Soil Testing Kit



The
Pineapple
Project



The Challenge



Soil type, texture, pH,
moisture, temperature...

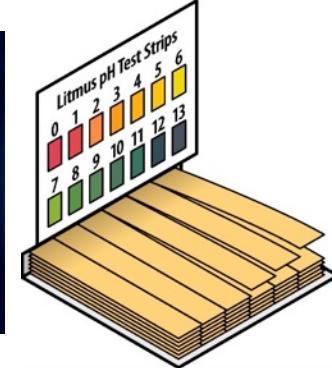
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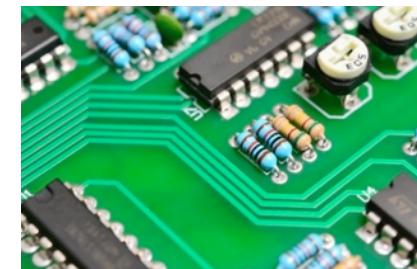
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1. Design / research - develop an easy to use, digital illustrated soil testing guide



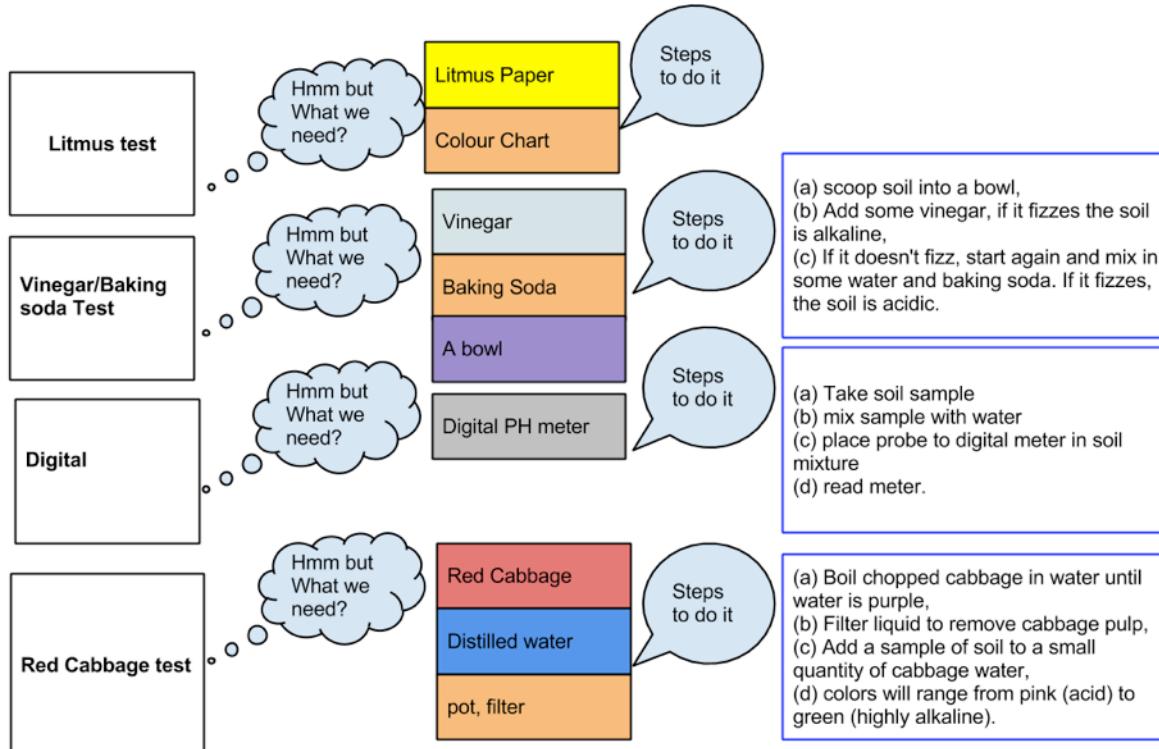
2. Hardware development - affordable sensor development



3. App / software development – interface to input and feedback user's soil measurements to the database



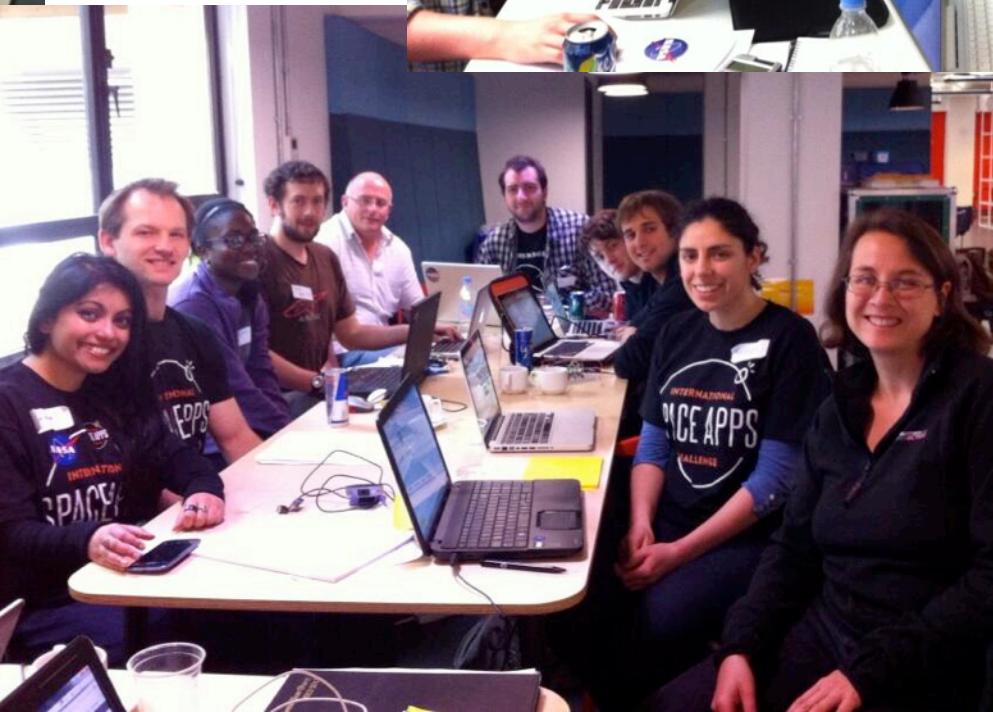
Soil Test Encyclopedia



New ideas have come from the development that has happened over the hack weekend.

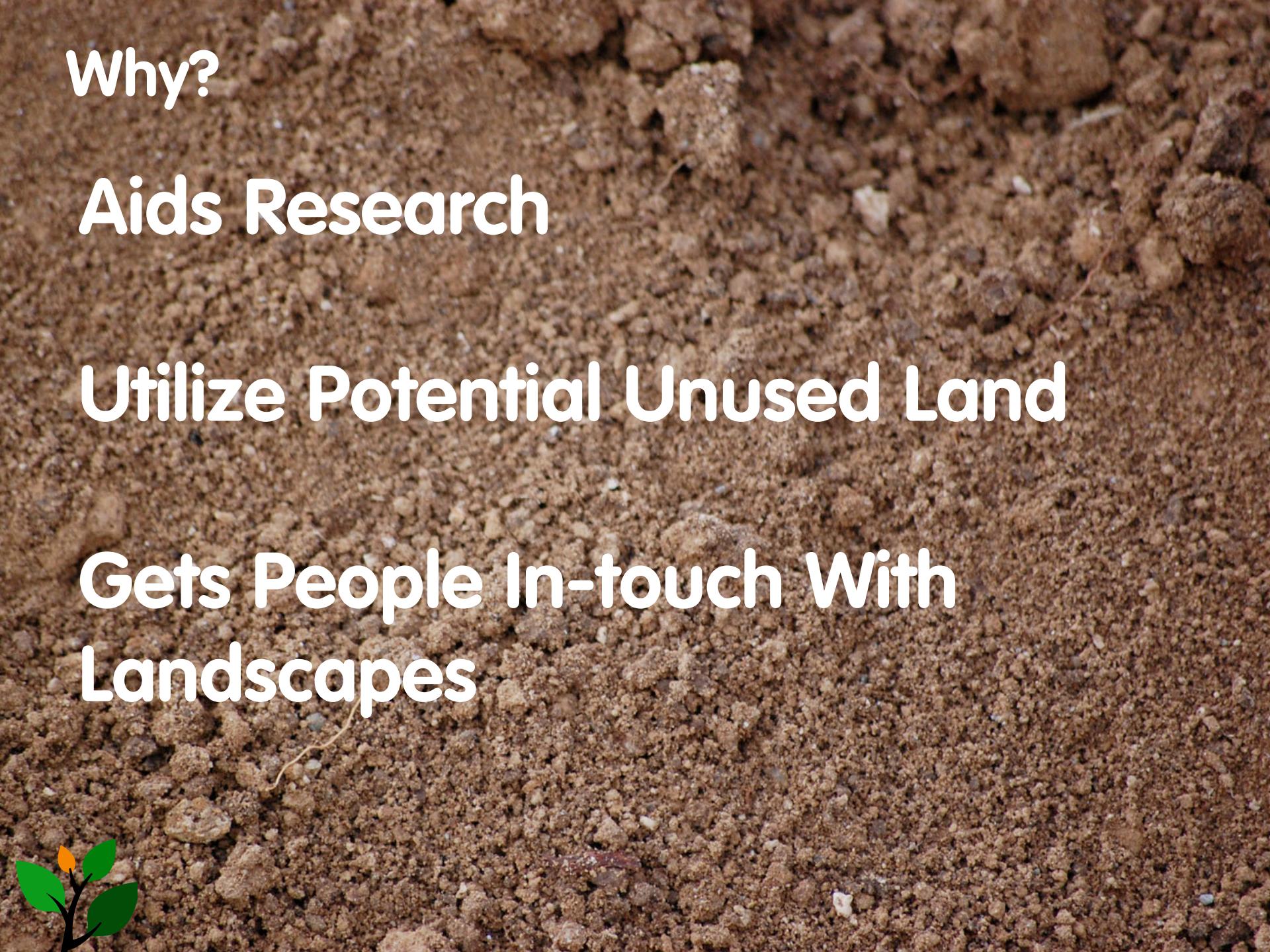


The Team





Improving crop yields no matter where the field



Why?

Aids Research

Utilize Potential Unused Land

Gets People In-touch With
Landscapes



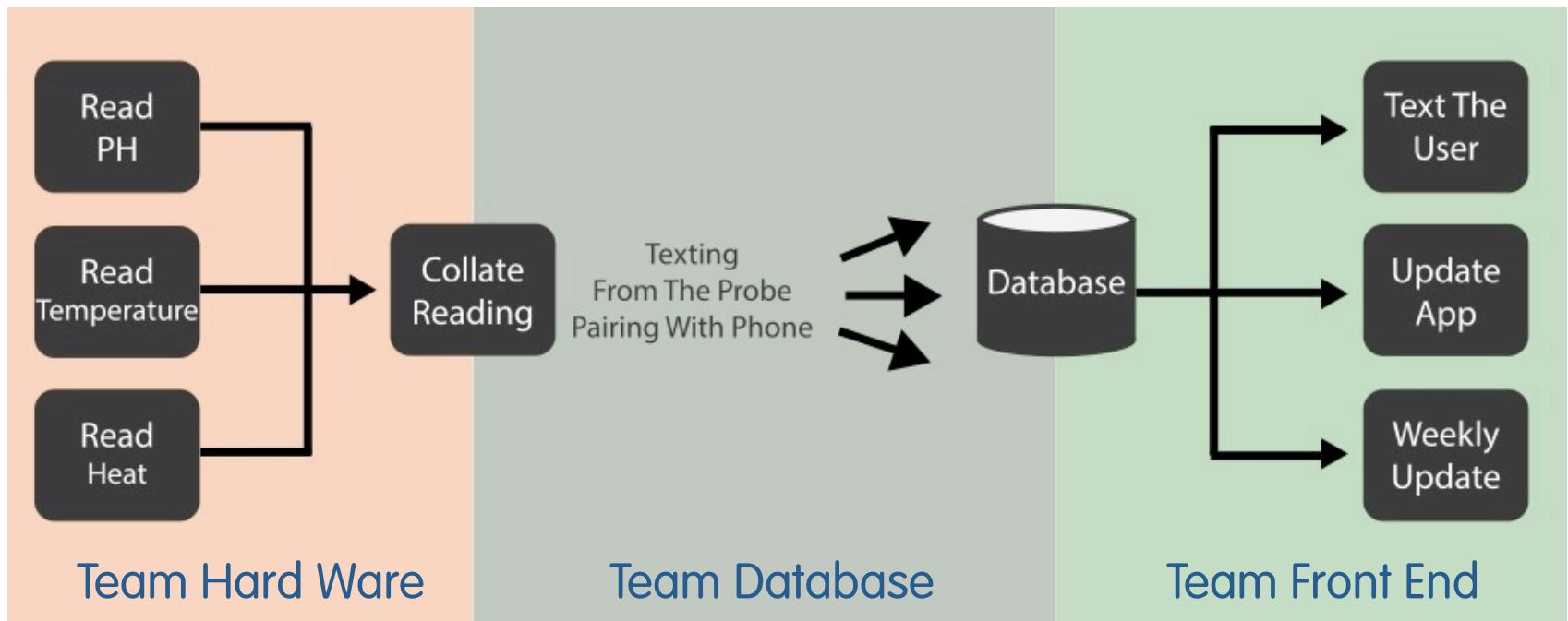
How?

"People of the Soil"

Have developed an easy to use,
digital soil testing kit to collect data,
store it in a database and
disseminate information via SMS or
a web app.



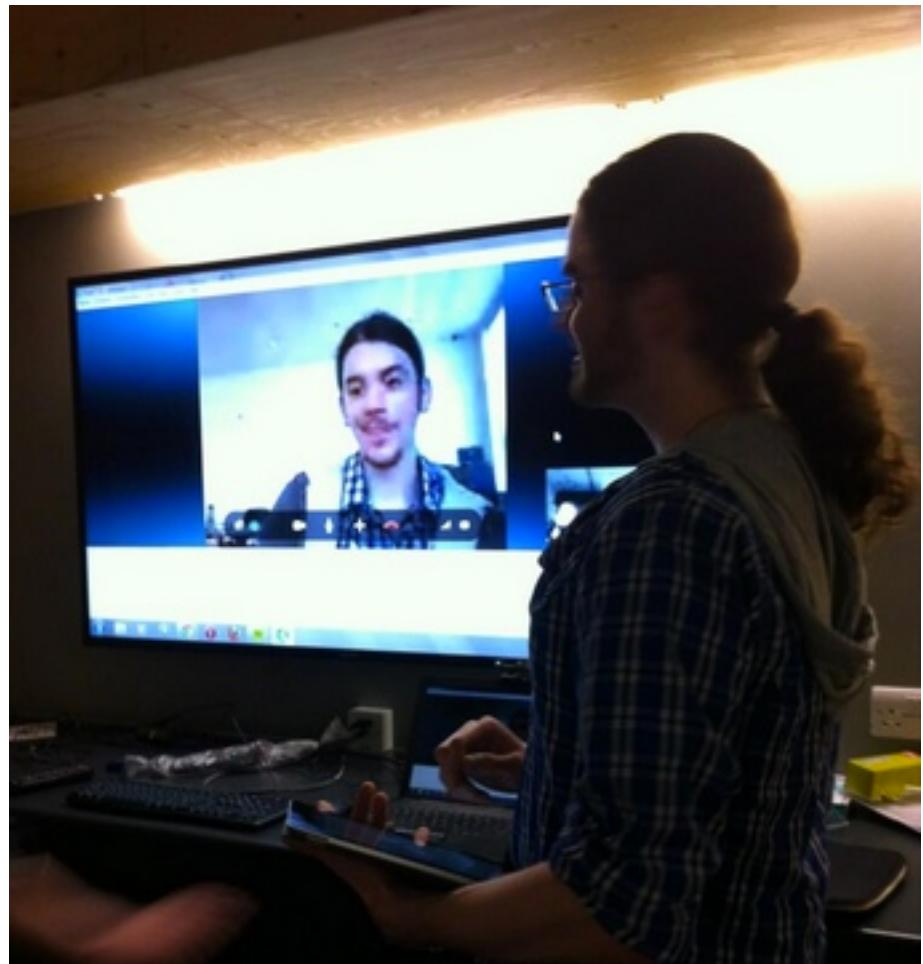
How it works, how the team worked



People OF The Soil



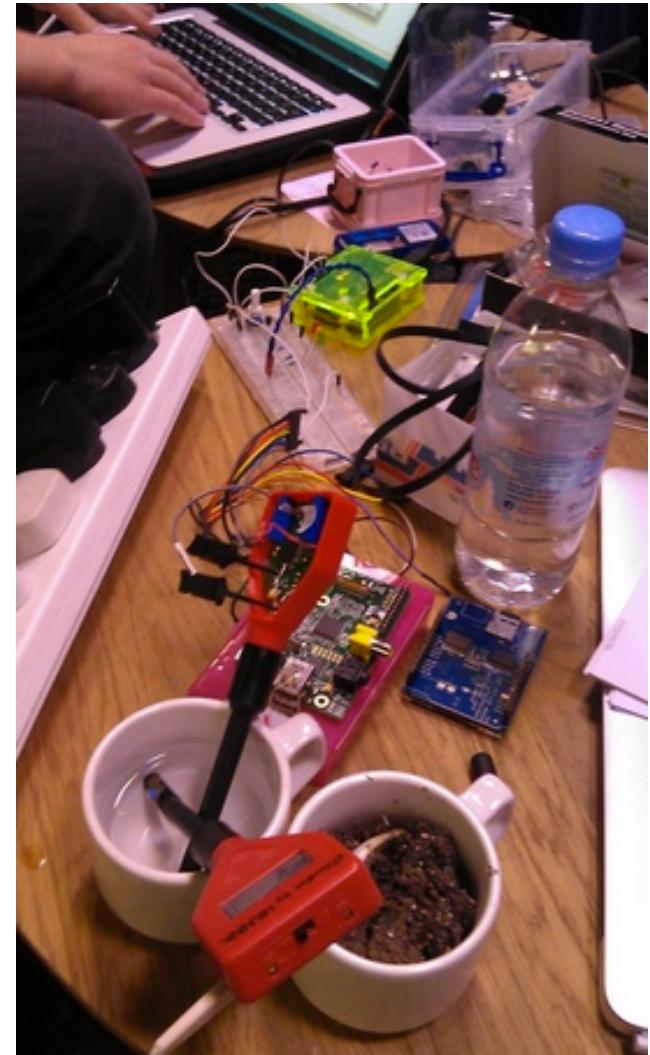
Collaboration



User Journey



The Probe



The Probe



Connected Devices Made Simple
Electric Imp makes it simple to bring the Internet to your
`/dev/tty.usbmodem411`

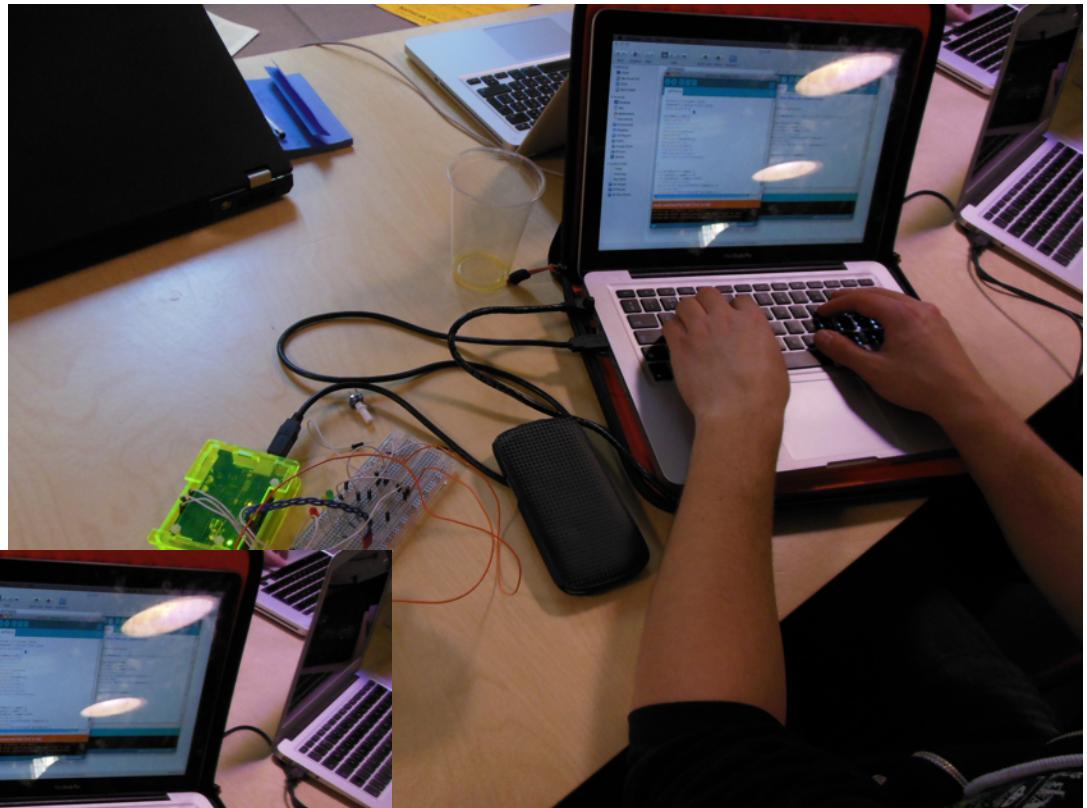
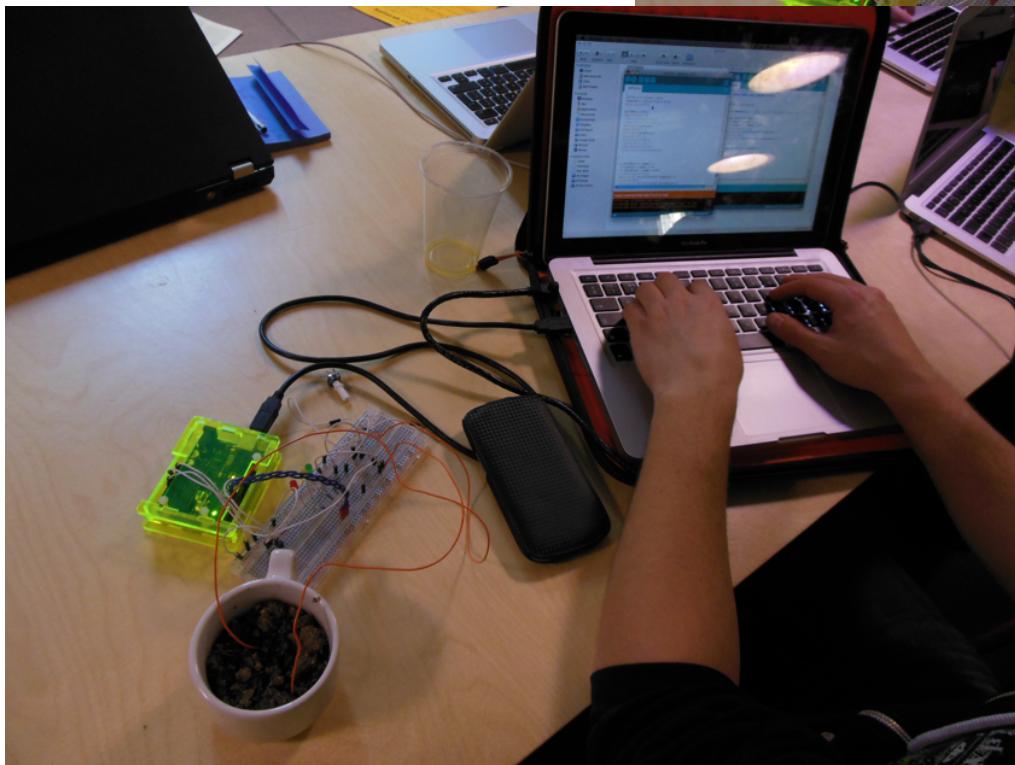
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TimeStamp: 577779,Celsius,29.75,pH,0.219941
TimeStamp: 579316,Celsius,30.00,pH,0.166178
TimeStamp: 581088,Celsius,29.62,pH,0.195503
TimeStamp: 582626,Celsius,29.00,pH,0.097752
TimeStamp: 584397,Celsius,28.56,pH,0.136852
TimeStamp: 585934,Celsius,28.19,pH,0.127077
TimeStamp: 587706,Celsius,27.69,pH,0.117382
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Autoscroll Newline

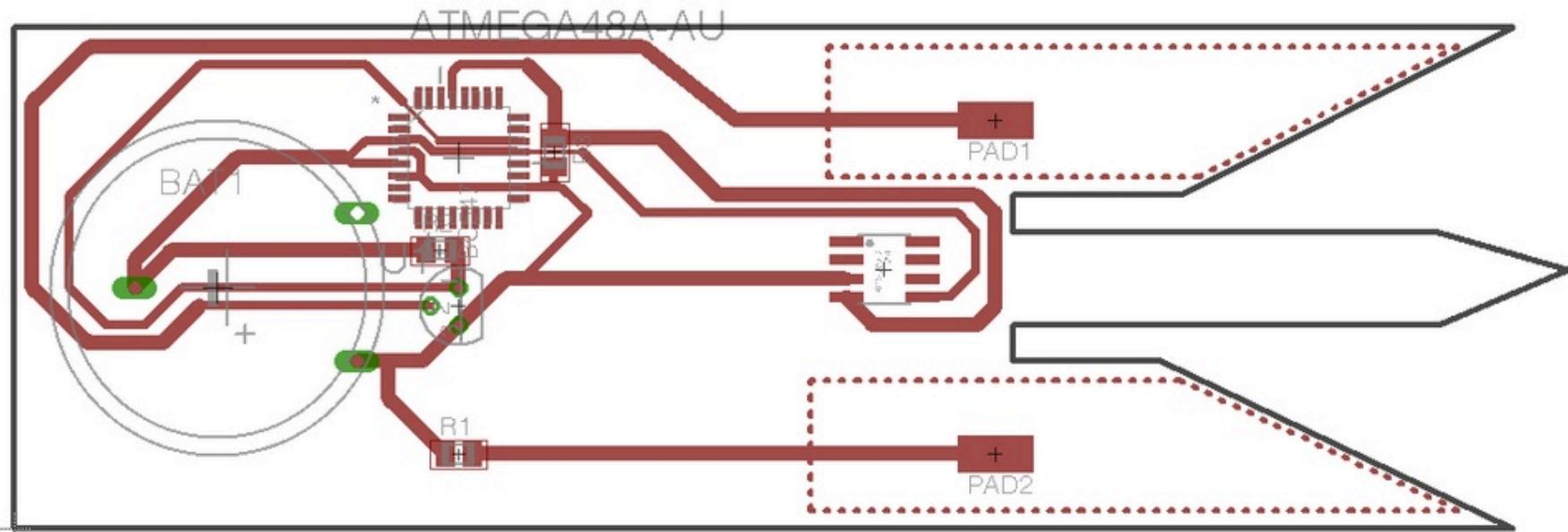
Developing software on top of the imp OS.
Build customized, powerful experiences with the open imp API which connects to most
web services, servers and applications so you can provide services such as messaging,
monitoring, analysis, and so much more.
Maintain your software and push new features seamlessly to devices anytime using the web-
based IDE - ensuring that your users always have the latest features with no hassle.
Get started with the easiest and most convenient set-up solution for getting connected to WiFi
and mobile networks. From your smartphone, you can get connected



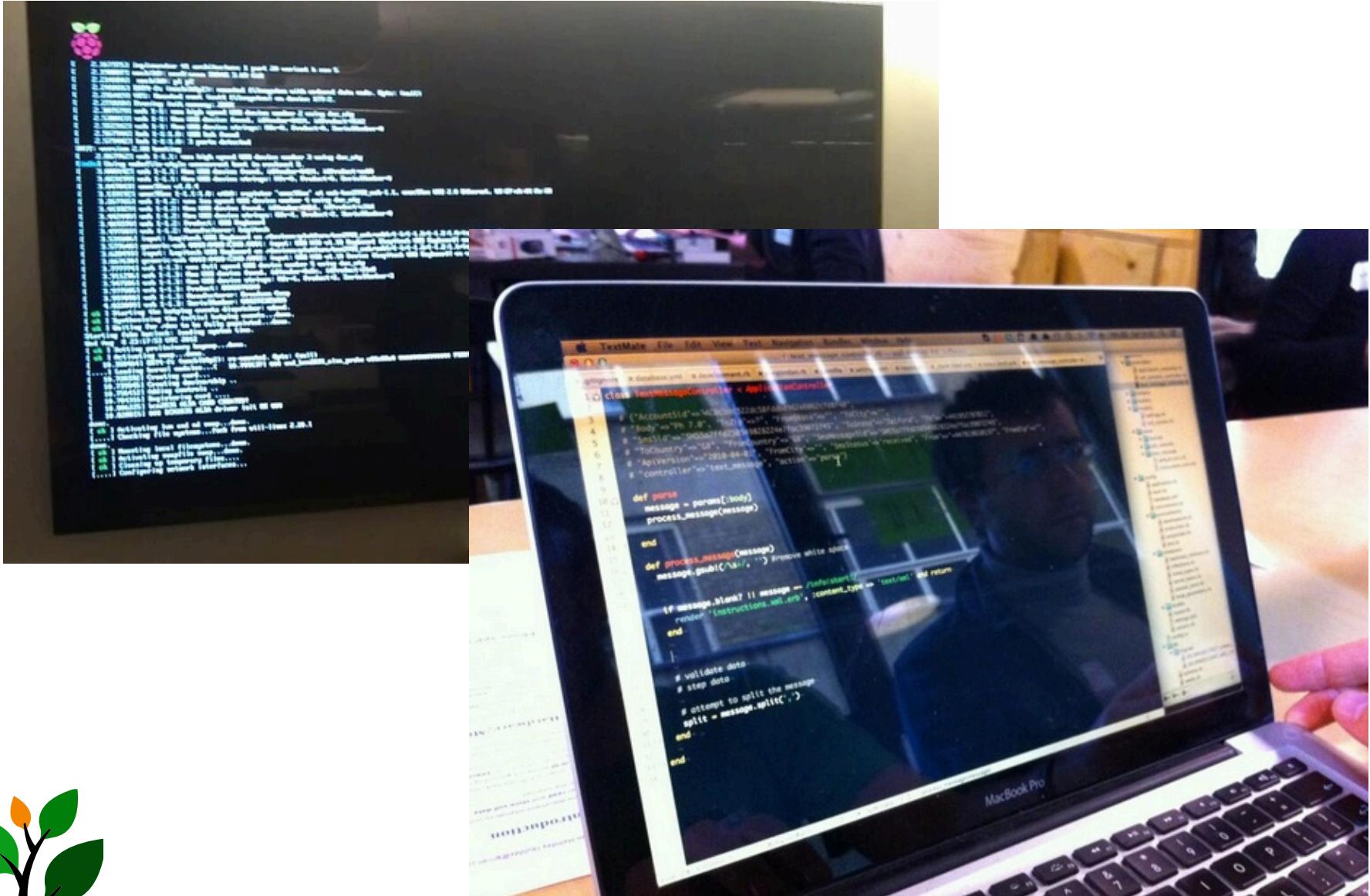
The Probe



The Future Probe



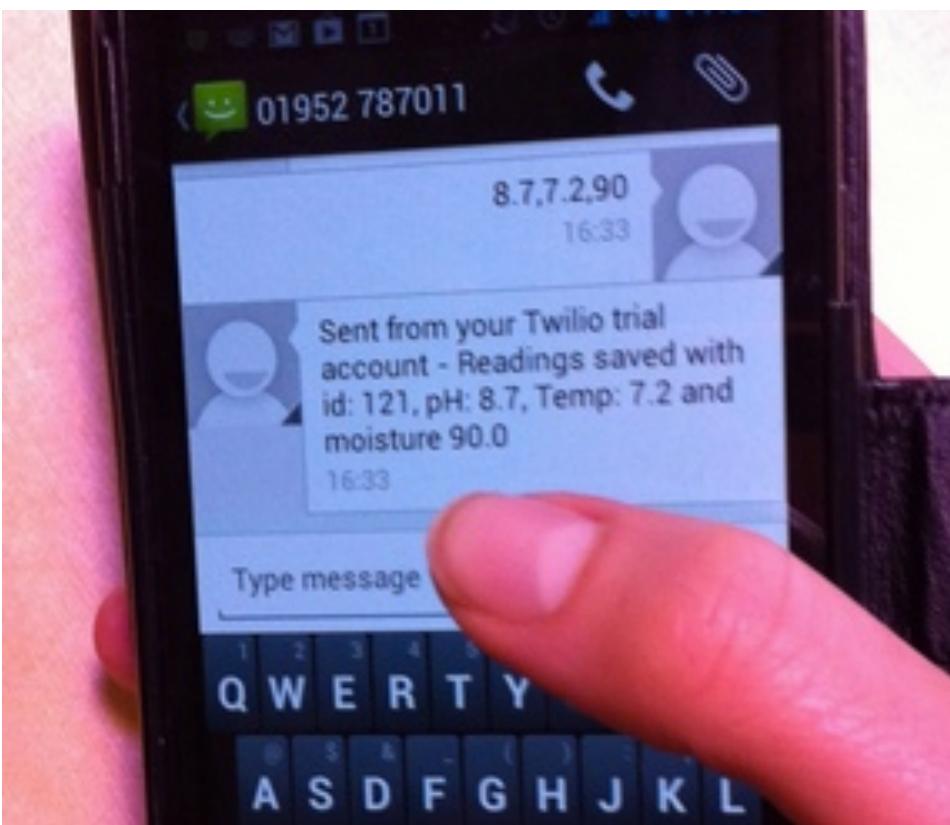
The Data Base



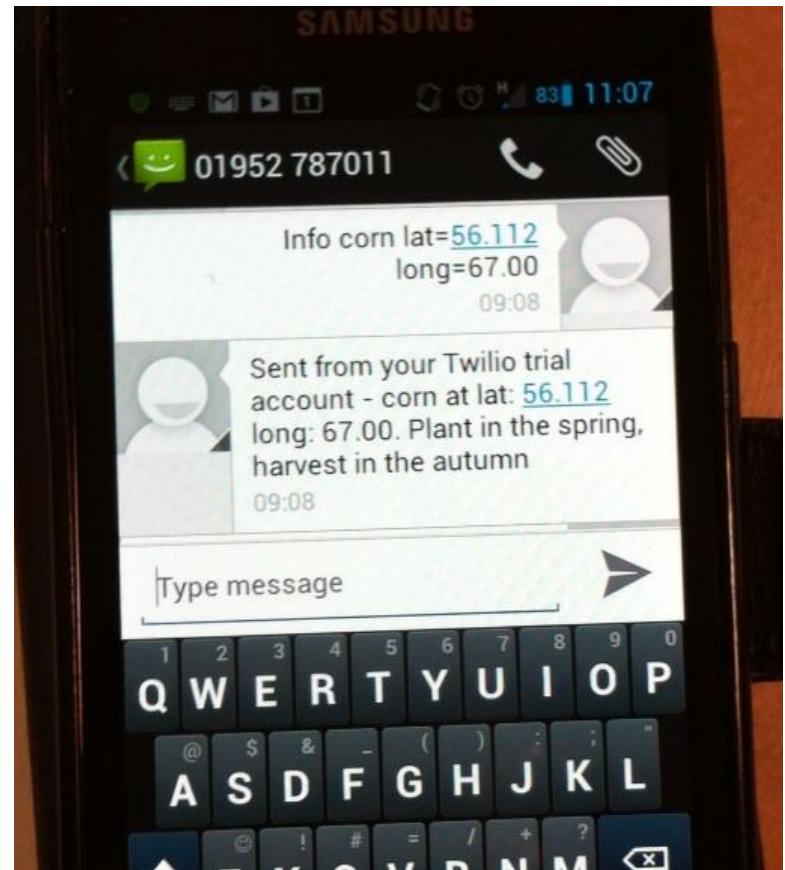
The Data Base



The Txt on the phone



v1



v2



Growers' Nation



Map **Soil data** Growing Info Wiki Tips My Plot Community

Soil ph:

Soil type:

Soil moisture:

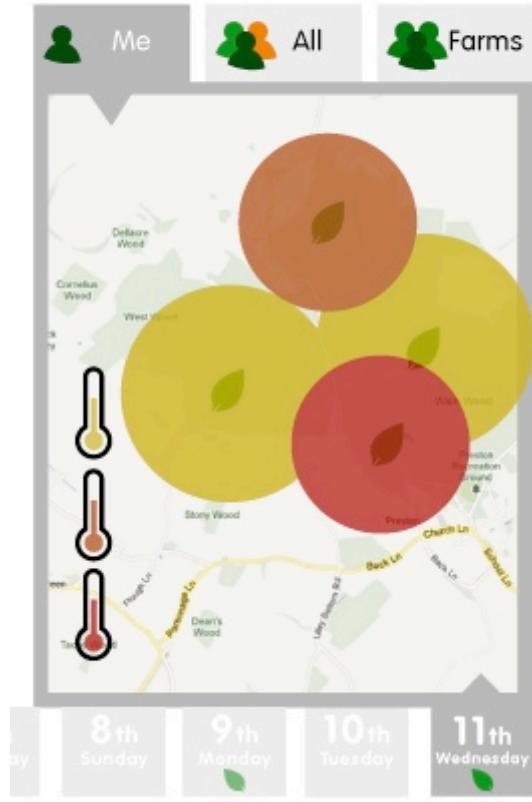
Submit



The Web App



The Web App Future



Reading One - Probe ID LW1001

12.33 pm
11/11/11
Fair with light breeze

Moisture **30%**

Temperature **6°C**

pH Level **5.5**

Add Notes...



salsola

