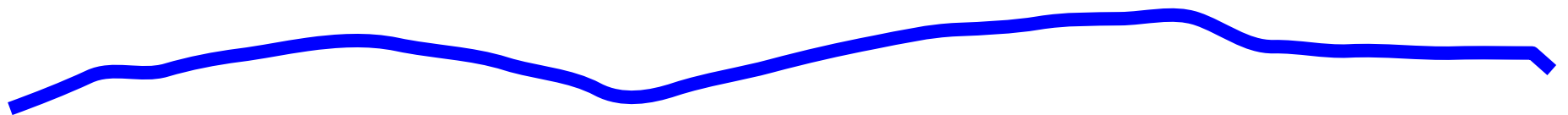
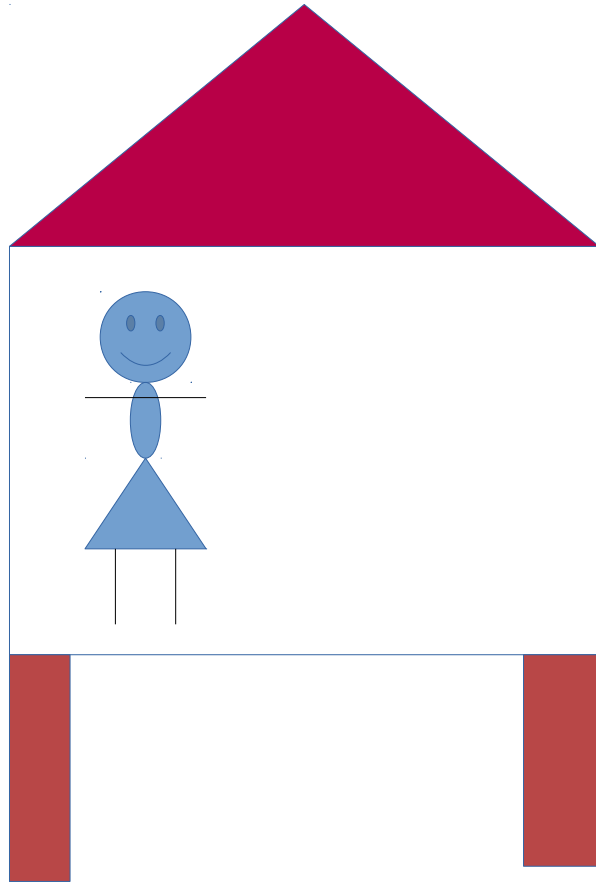
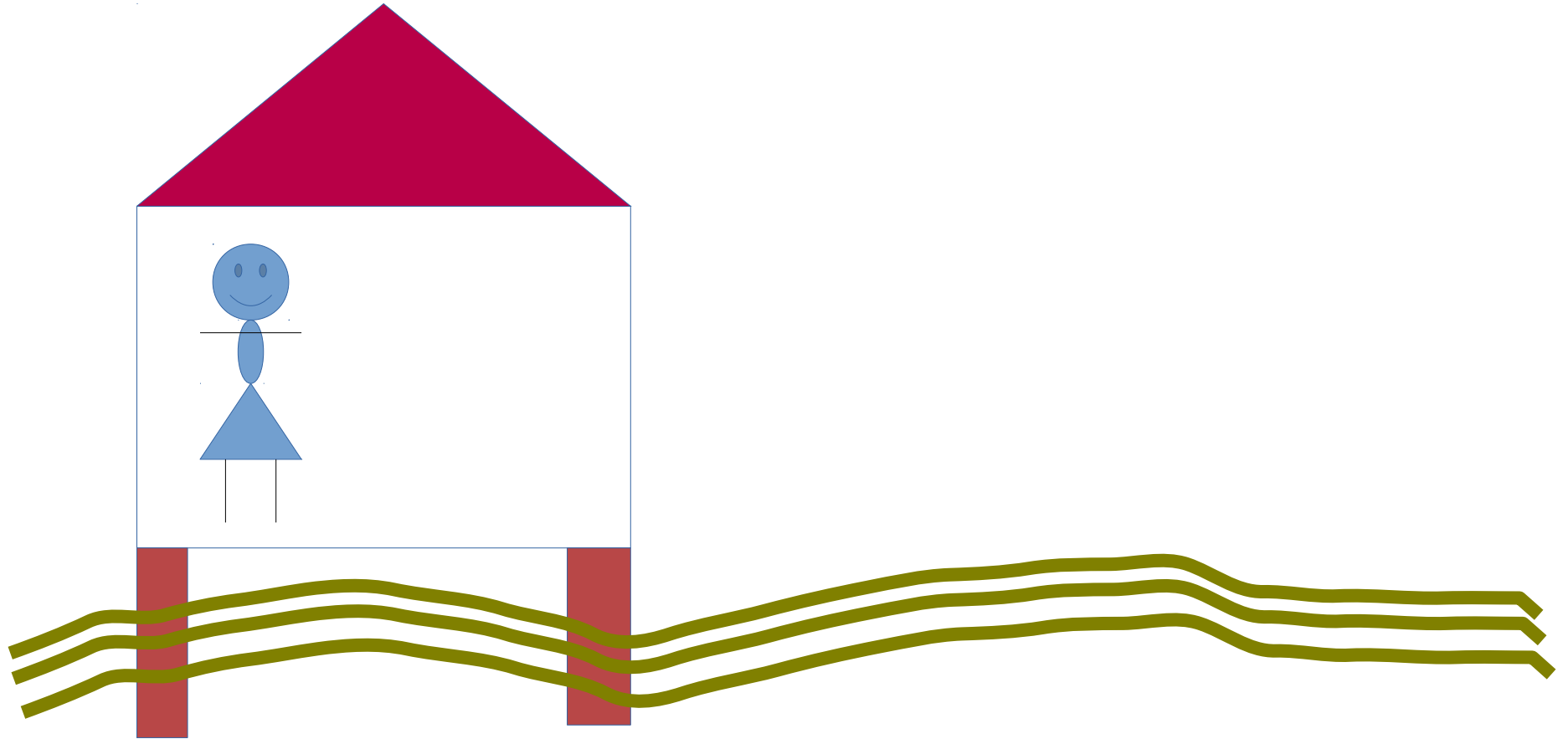


The River  
The Mother  
and  
The Internet of Things

# All Happy - 2012

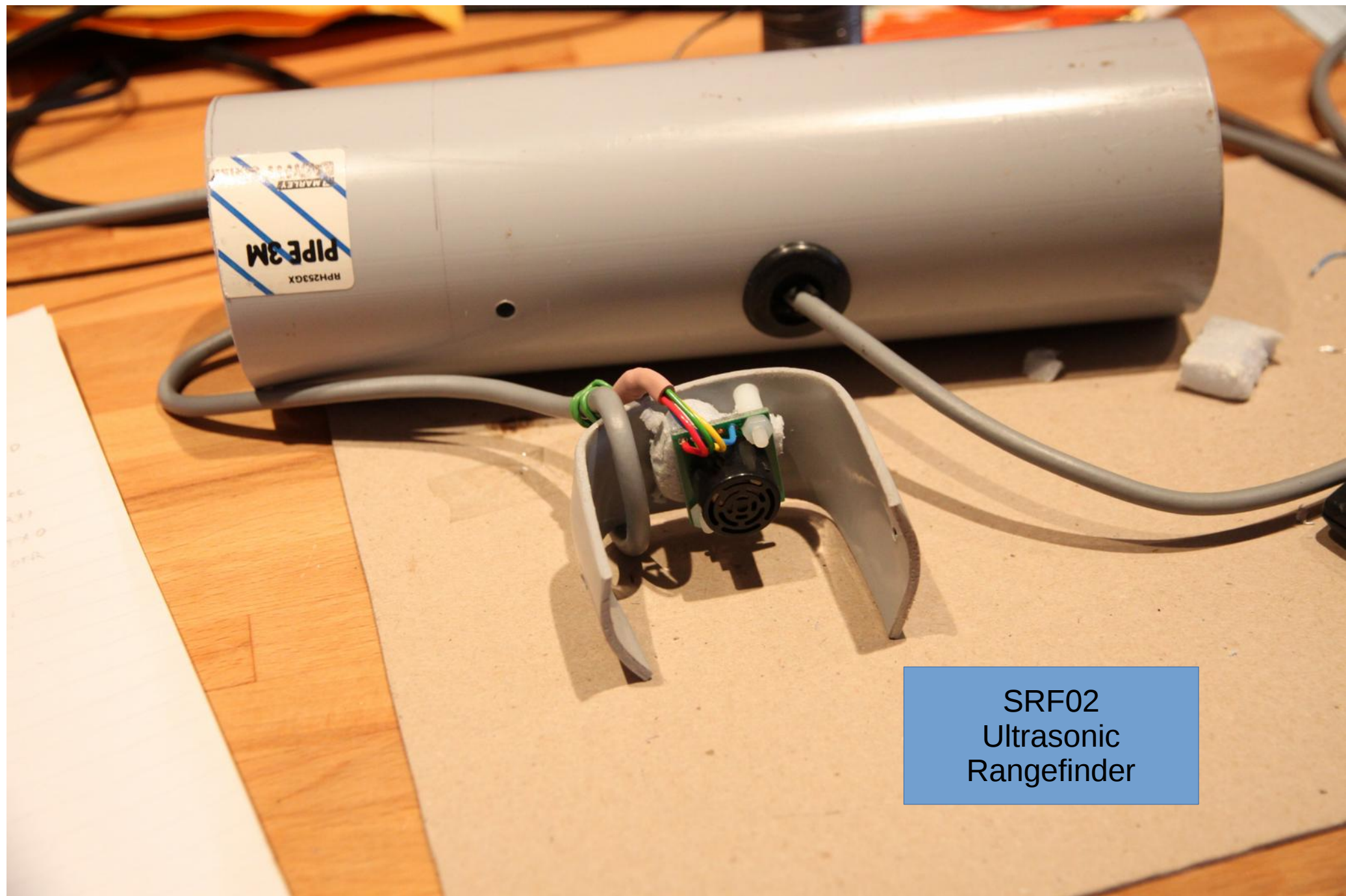


# The Problem – December 2013

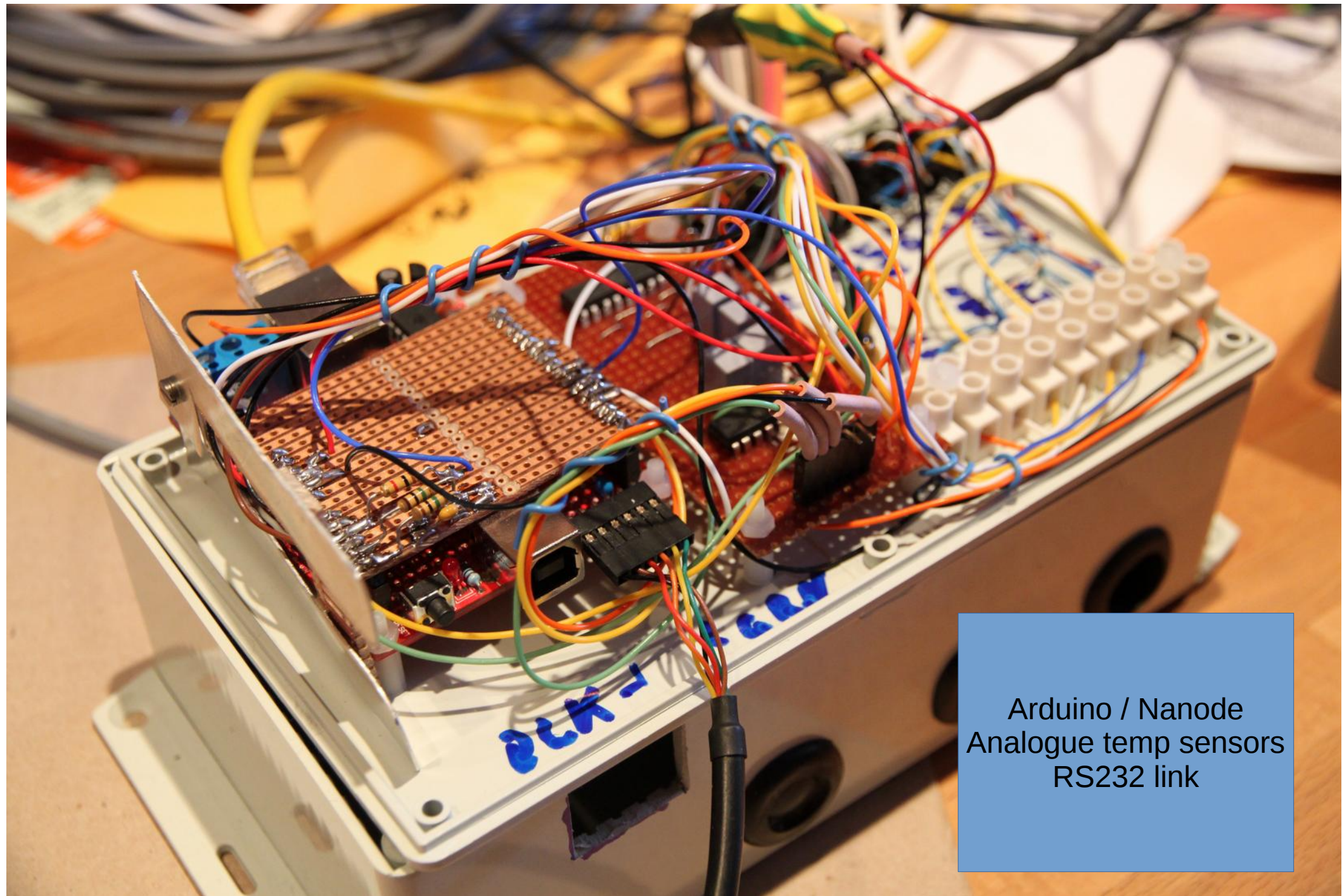


# IoT to the rescue

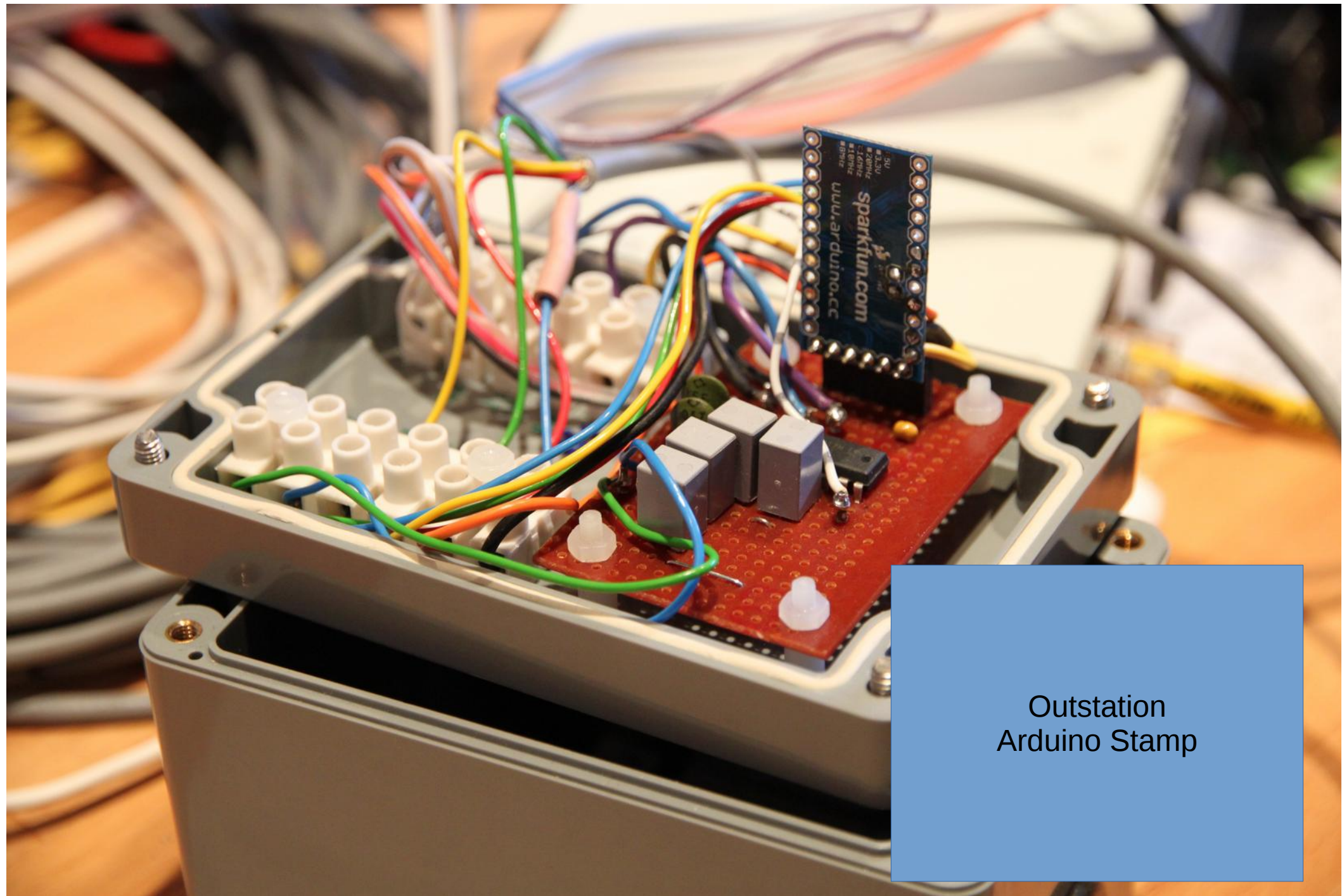
- Monitor the river
- Monitor the mother
- Raise the alarm
- Keep the trend data



SRF02  
Ultrasonic  
Rangefinder



Arduino / Nanode  
Analogue temp sensors  
RS232 link



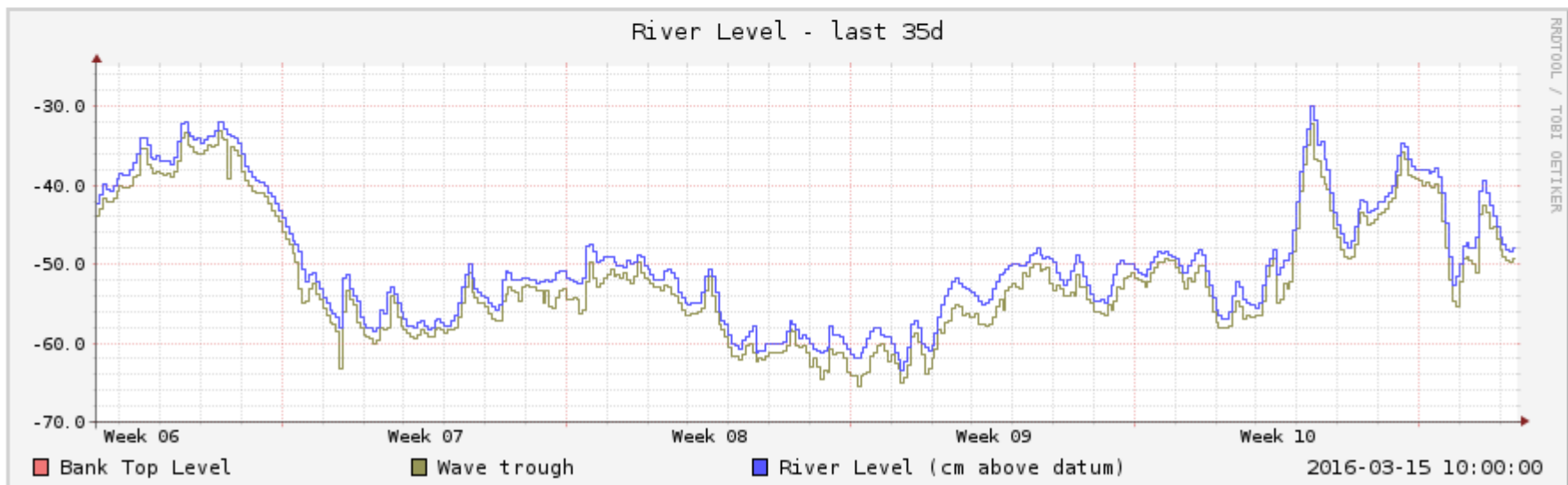
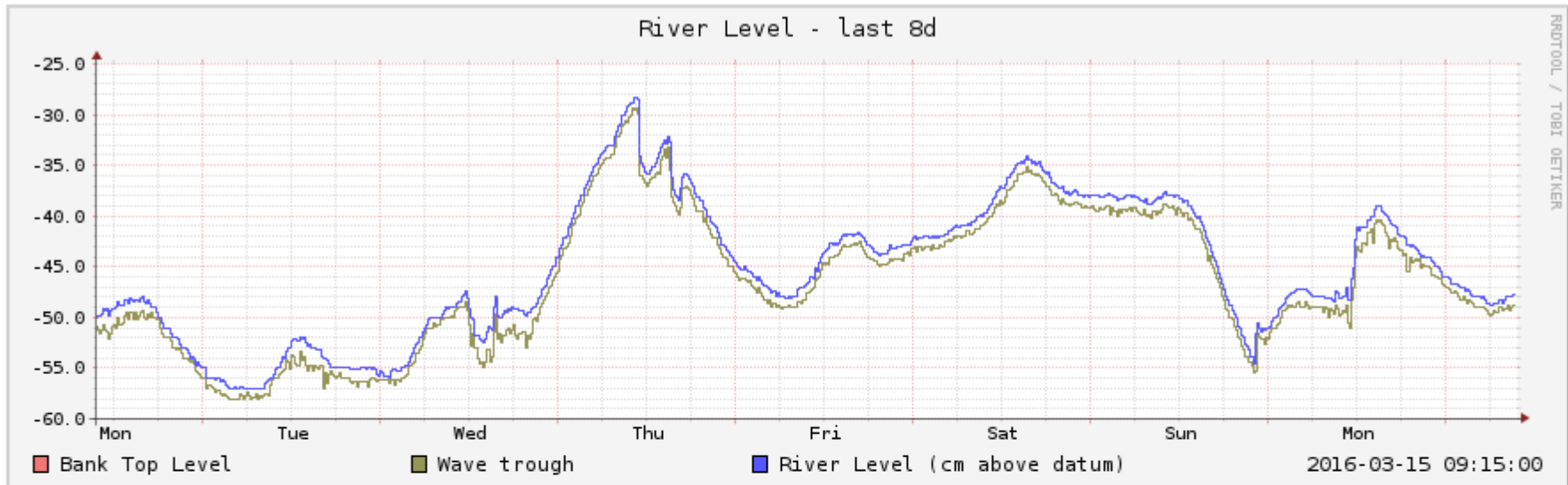
Outstation  
Arduino Stamp

# Other bits

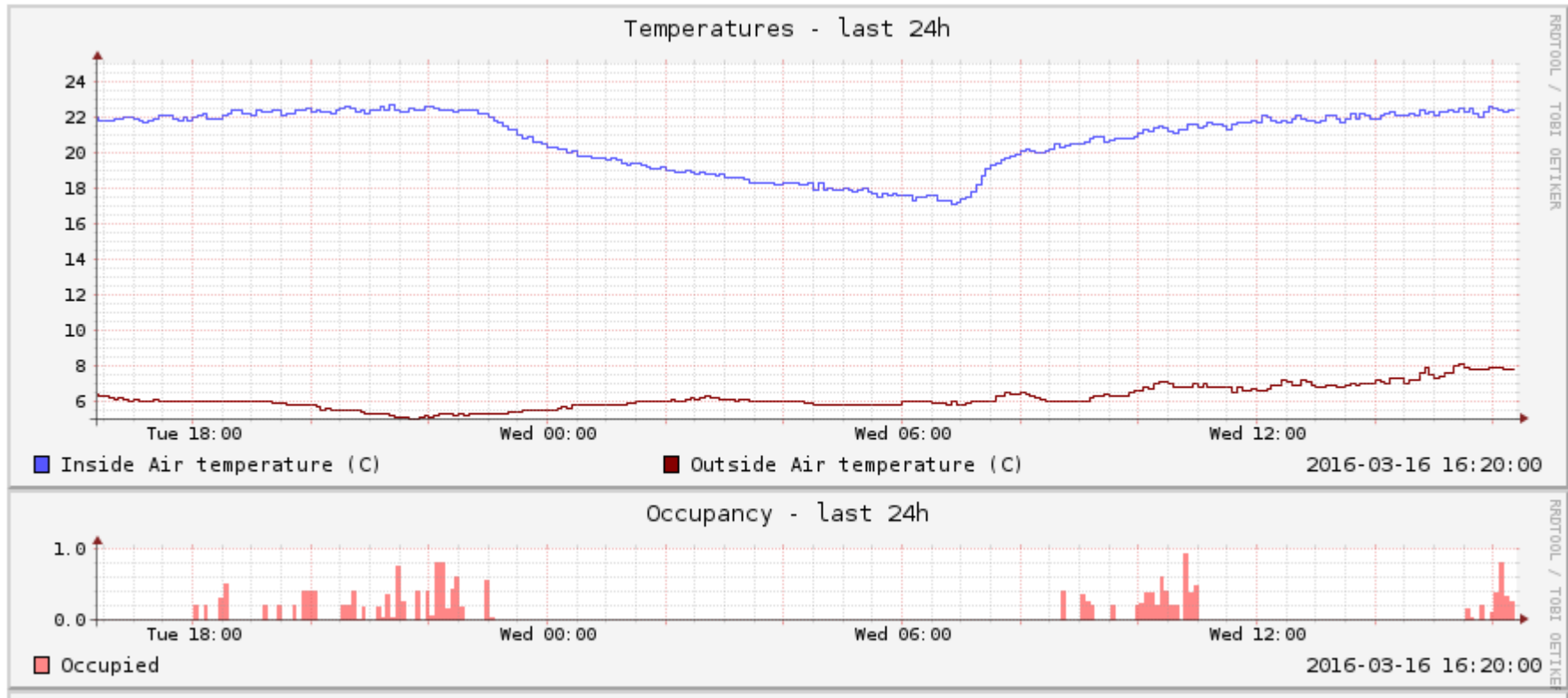
- Linux webserver
- Arduino IDE
- RRDTool
- Movement sensors



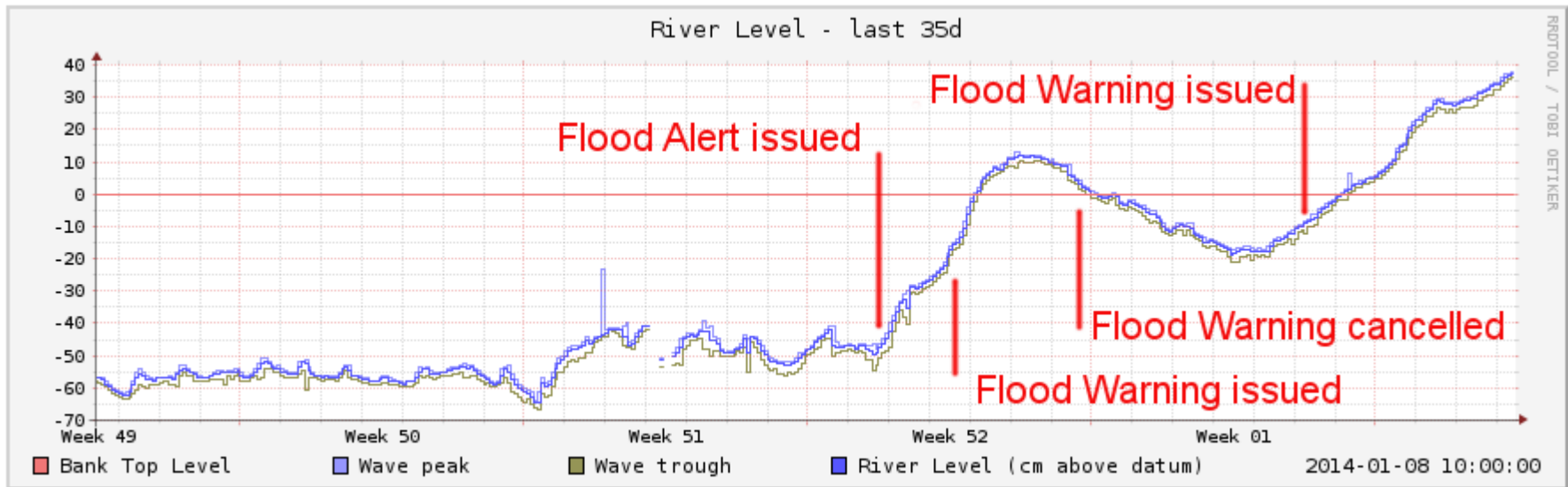
# Web page for the river



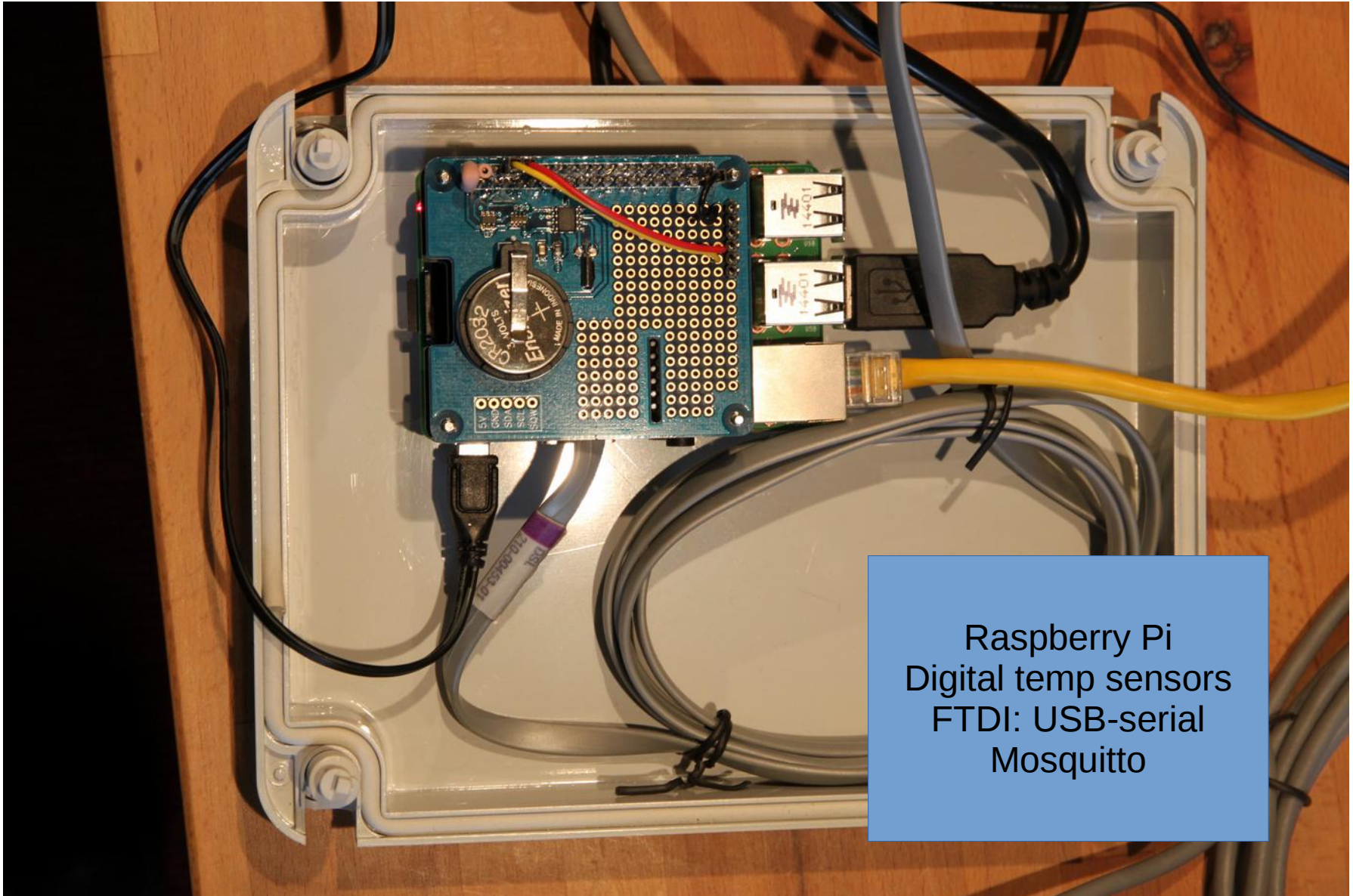
# Web page for Mother



# December 2013



# Version 2



Raspberry Pi  
Digital temp sensors  
FTDI: USB-serial  
Mosquitto

# New bits

- Mosquitto

# See the data

- [dl1.findlays.net](http://dl1.findlays.net)
- The Environment Agency do it too