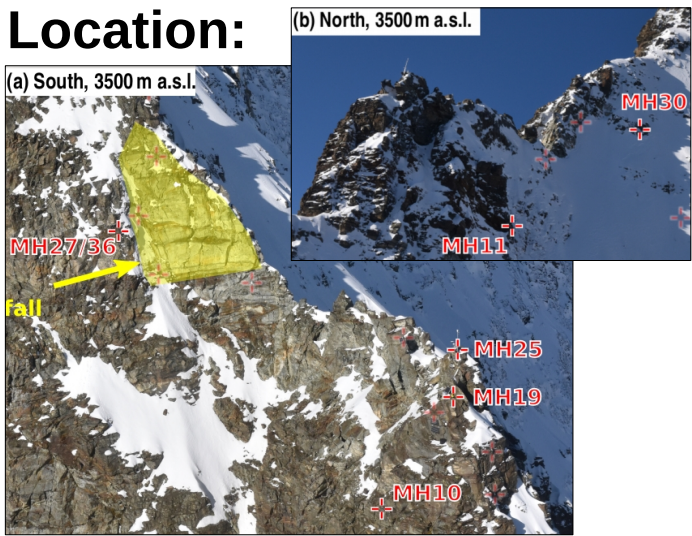# Detecting Water on Images
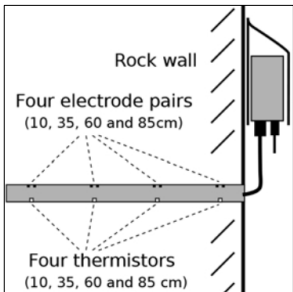
Jim Buffat
Bastian Buman
Ivan Ovinnikov
Nik Dennlker

Objective: Train image classifier based on sensory inputs
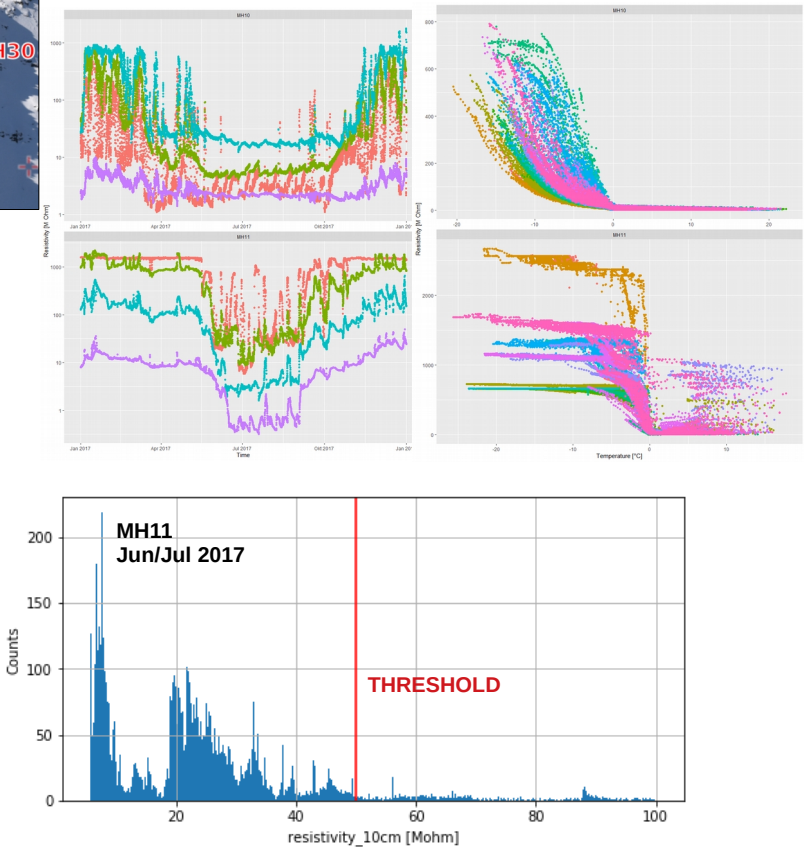
Location:

(a) South, 3500 m a.s.l.

(b) North, 3500 m a.s.l.

Sensors:

Rock wall

Four electrode pairs
(10, 35, 60 and 85cm)

Four thermistors
(10, 35, 60 and 85 cm)

Sensor Data:

MH11
Jun/Jul 2017

THRESHOLD

Classifying:

CNN

Train Loss

Test Accuracy

98% !

BUT:

Really big bias problem. Train and test set are sampled from the same days, thus similarity between data pairs extremely large → Test accuracy is not representative.

Running more experiments, training and testing on different years.