

# Deep-Voltage

## Goal

Predict the difference in temperature inside the rock based on easy measurable KPI for the next coming hour

**Motivation:** Modulate sampling rate of the instrument based on hourly temperature prediction.

## Benefit:

Save the energy by switching off during silent time spans

Reduce the amount of data to be collected and analyzed

**Current status:** adaptive models RMSE = 0.9

**Our model (LSTM) RMSE = 0.48**

