

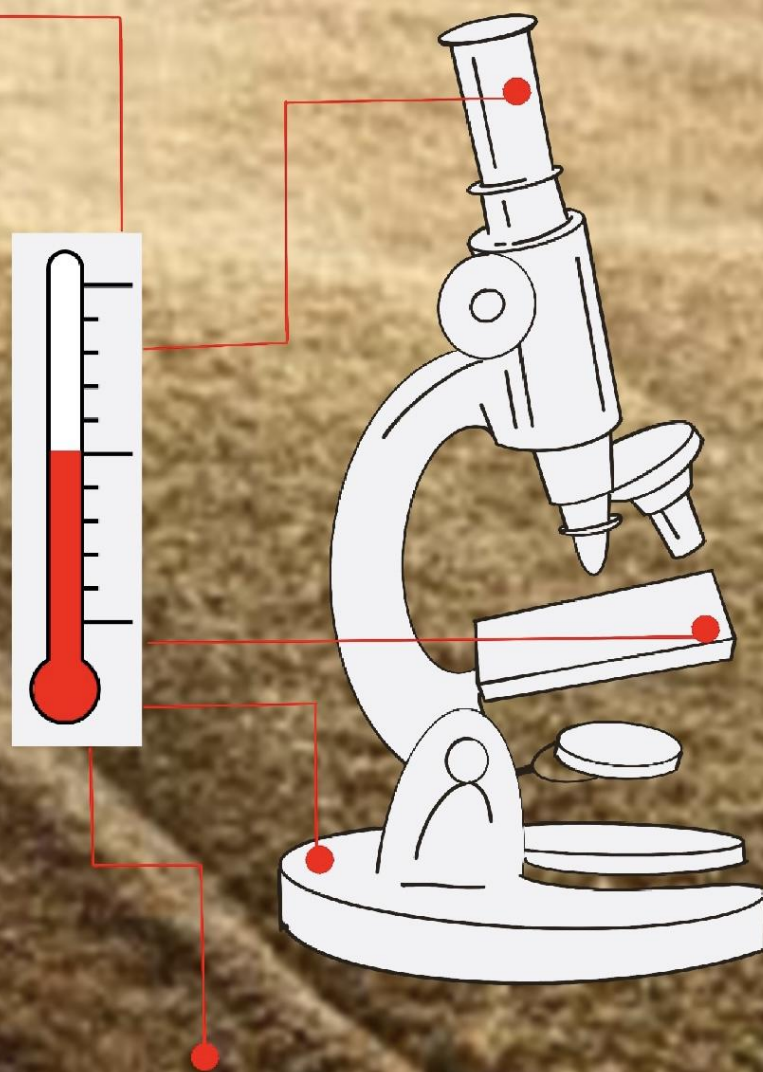
SOB: Save Our Beer!

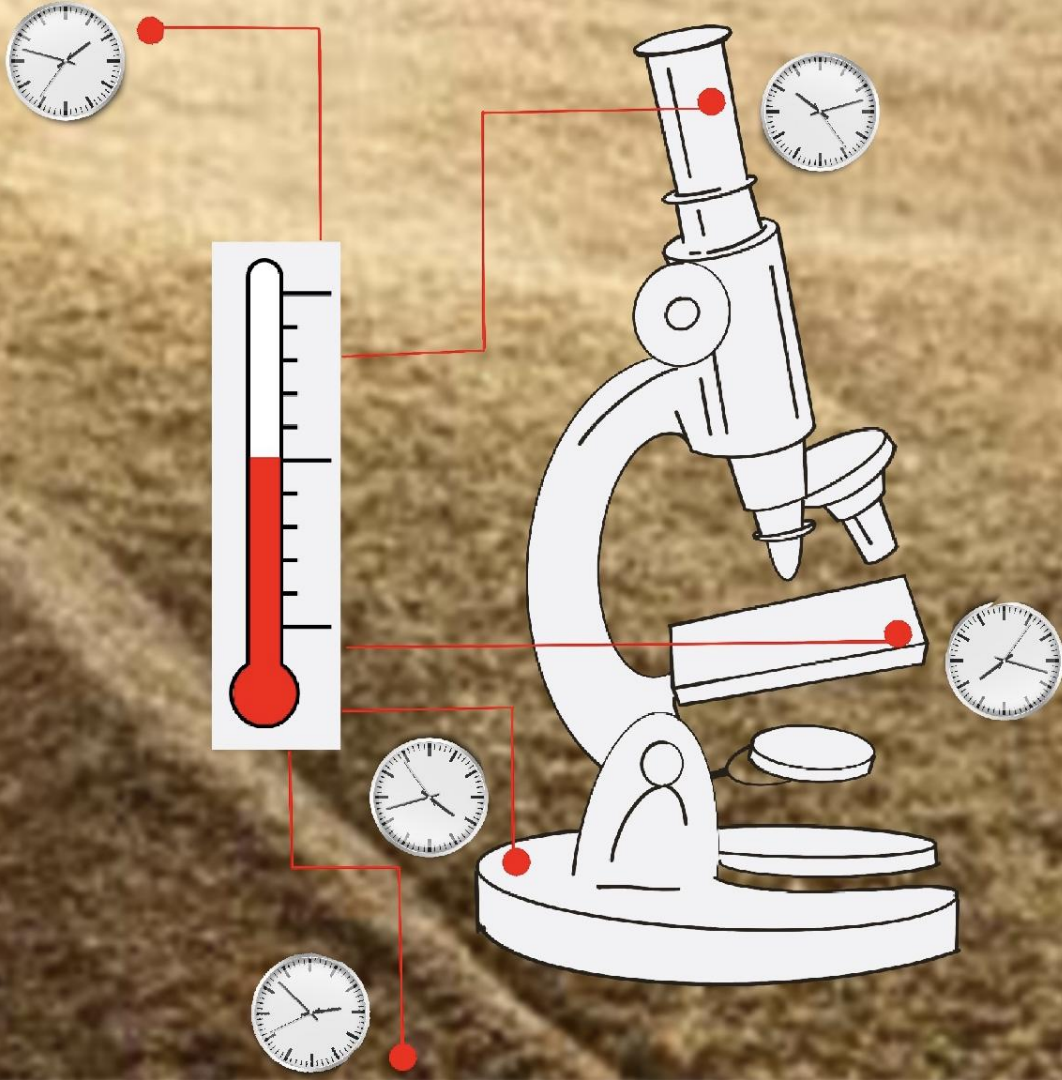
ZEISS challenge

hackaTUM







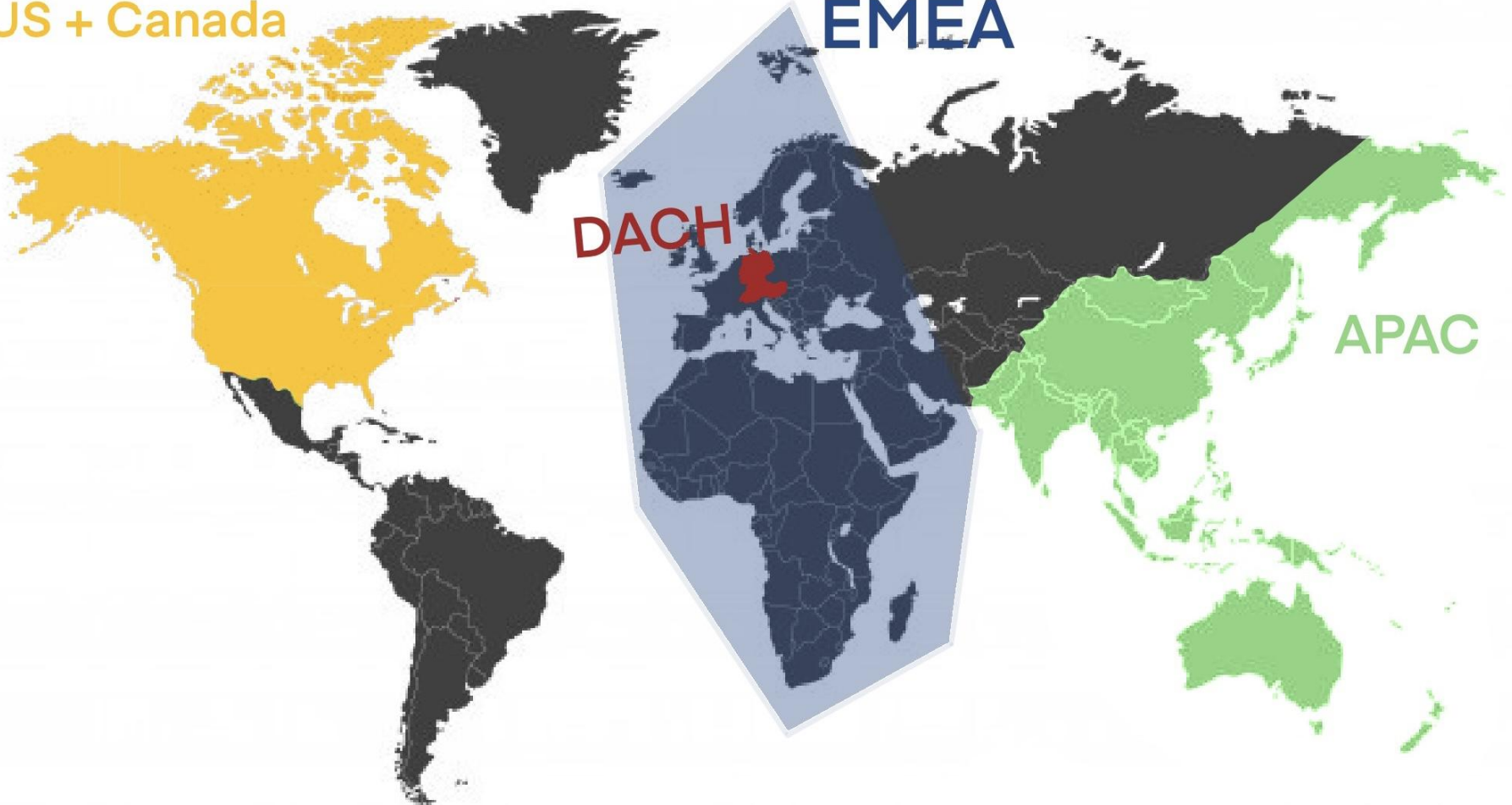


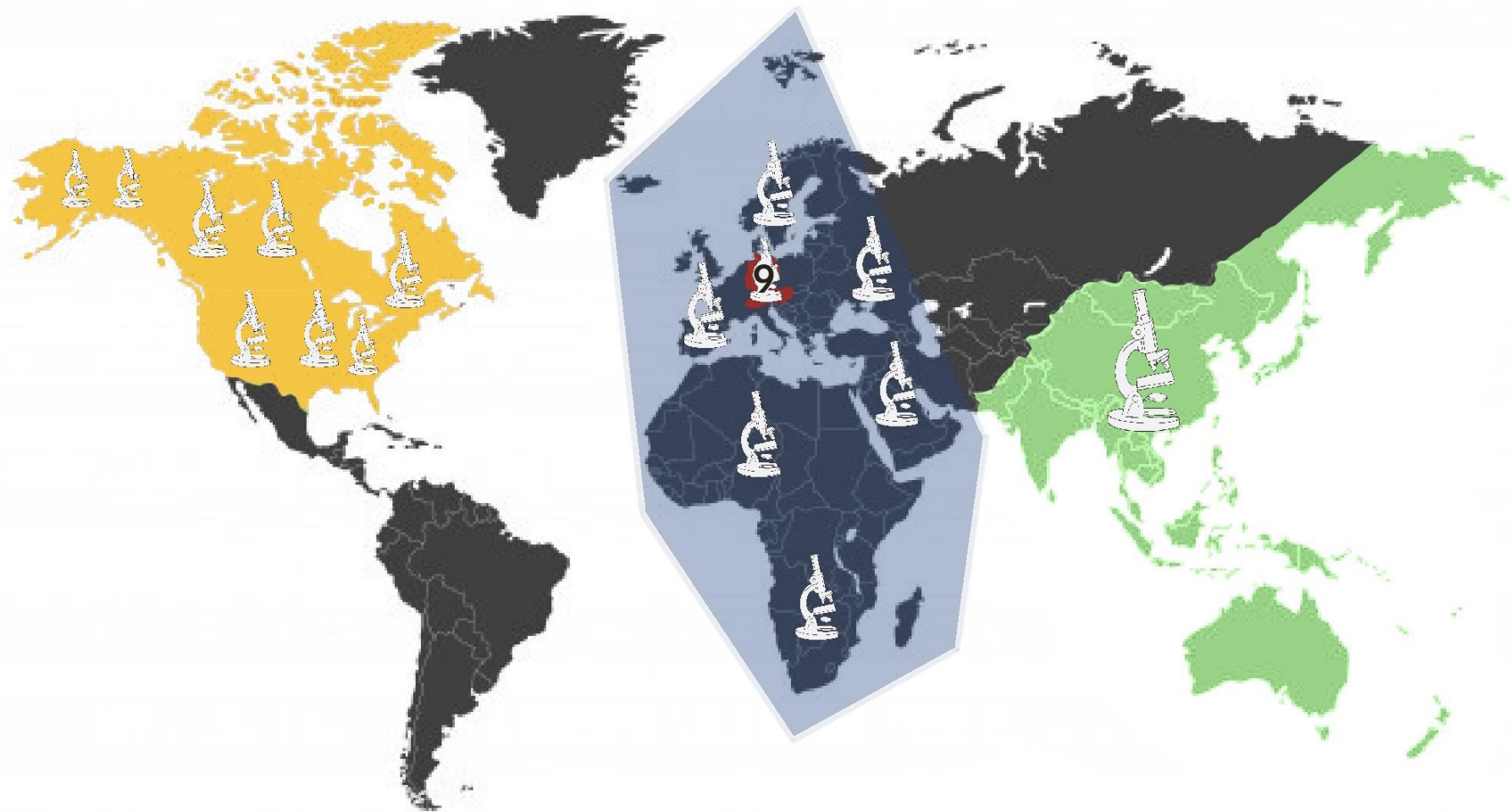
US + Canada

EMEA

DACH

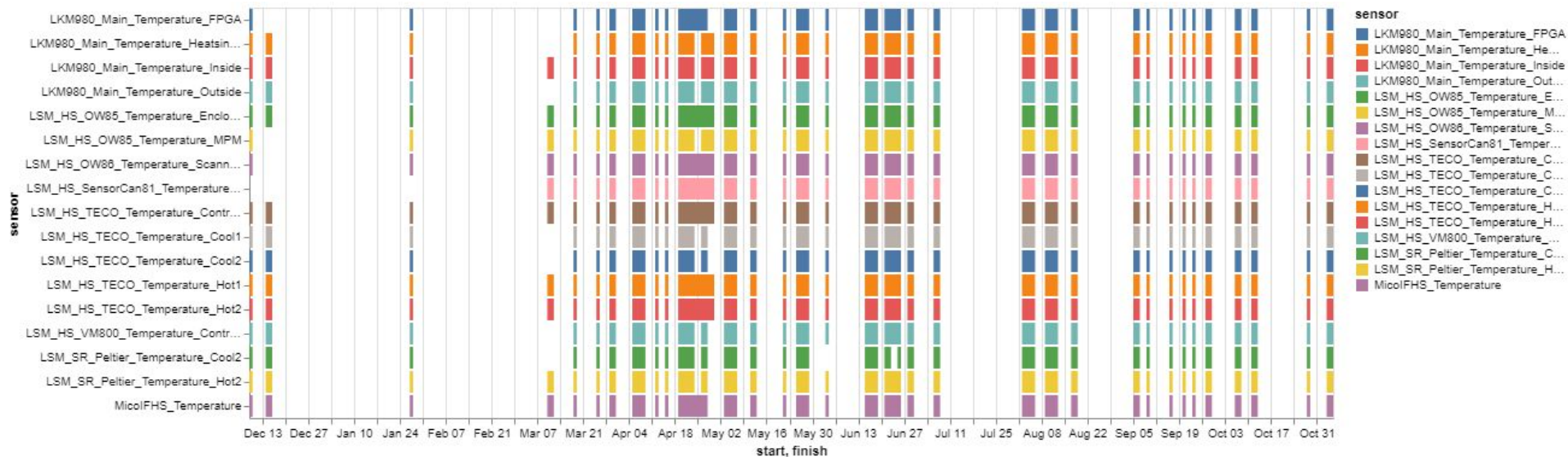
APAC





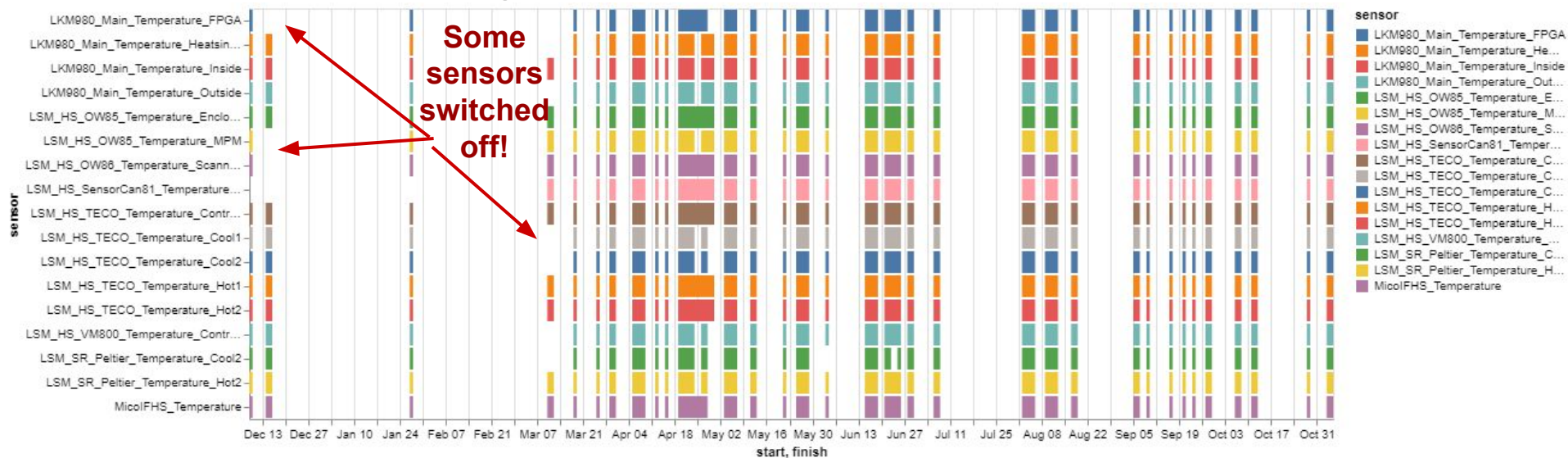
Look over the data: regularity

Region: US + Canada **Device:** MICDEV019



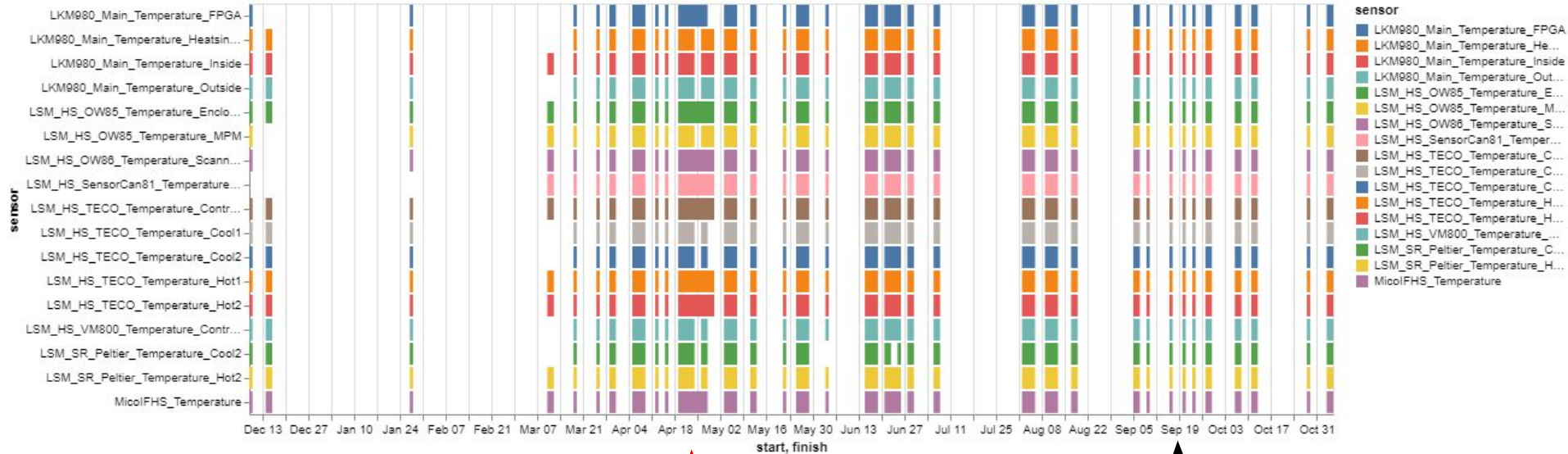
Look over the data: regularity - switched sensors

Region: US + Canada **Device:** MICDEV019



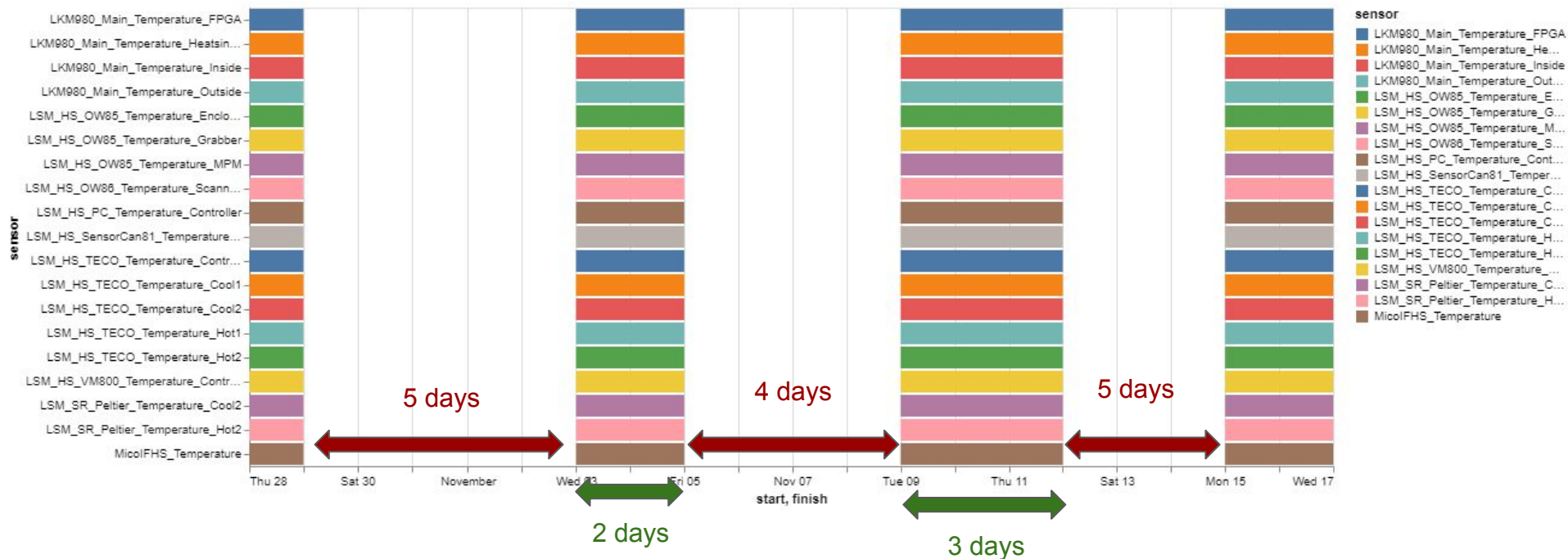
Look over the data: regularity - asynchronous data

Region: US + Canada **Device:** MICDEV019

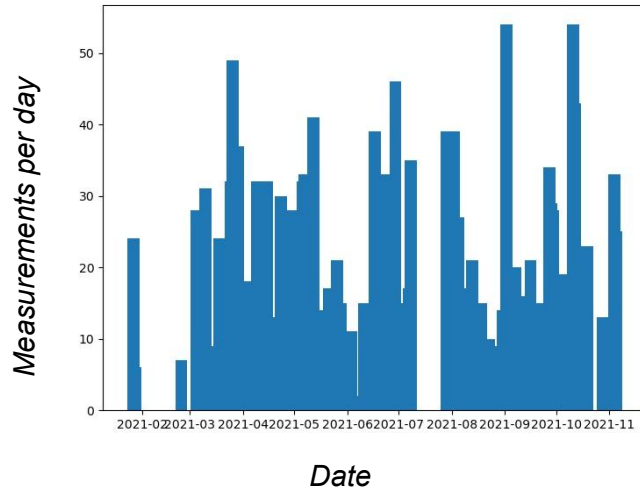


Look over the data: *Restart brewery process? (phase takes 2-20 days)*

Region: DACH Device: MICDEV011



Look over the data: regularity - measurements per day



Non-regular data collection!

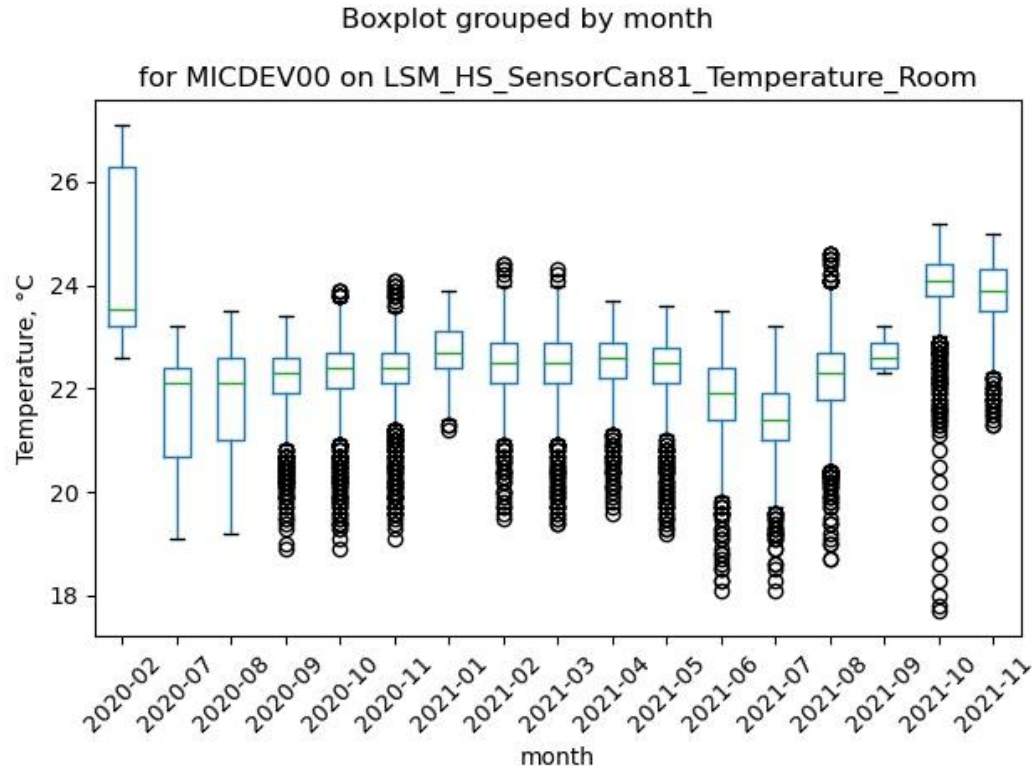
**Data regularization required
for future processing**

Region: US + Canada

Device: MICDEV019

Sensor: LSM_HS_SensorCan81_Temperature_Room

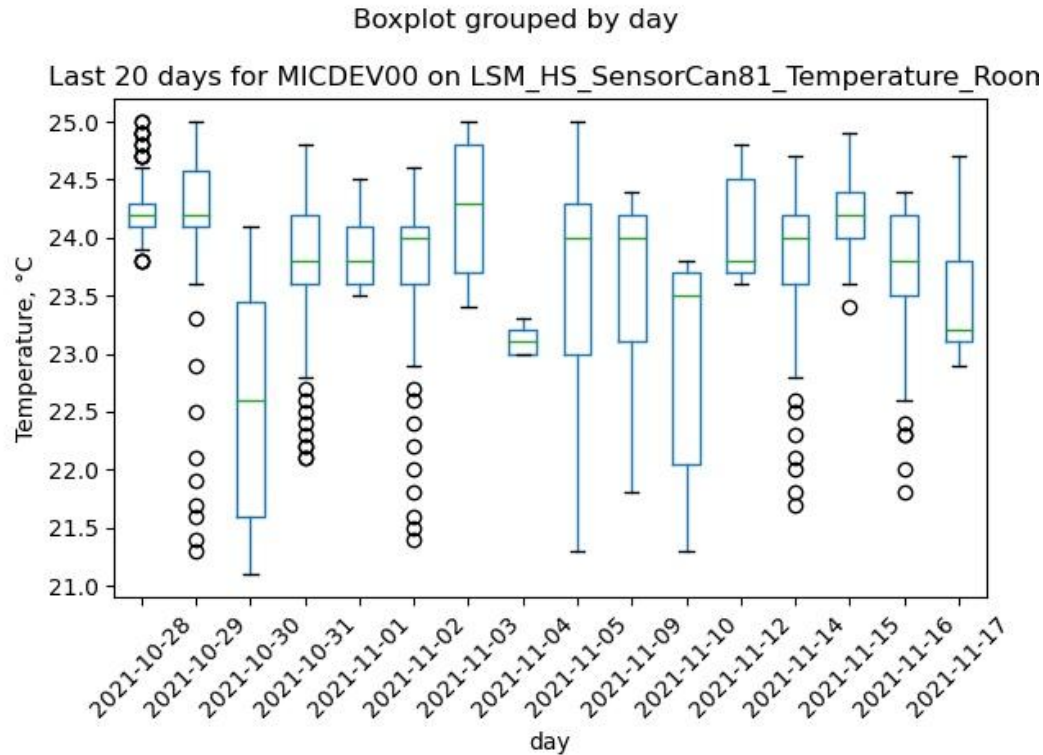
Look over the data: temperature in room over the months



- Typically **18-28°C**
- **~5-6°C** changes within month
- Mostly varies within **3°C**

Noticeable temperature changes presented on within month!

Look over the data: temperature in room over the 20 Days

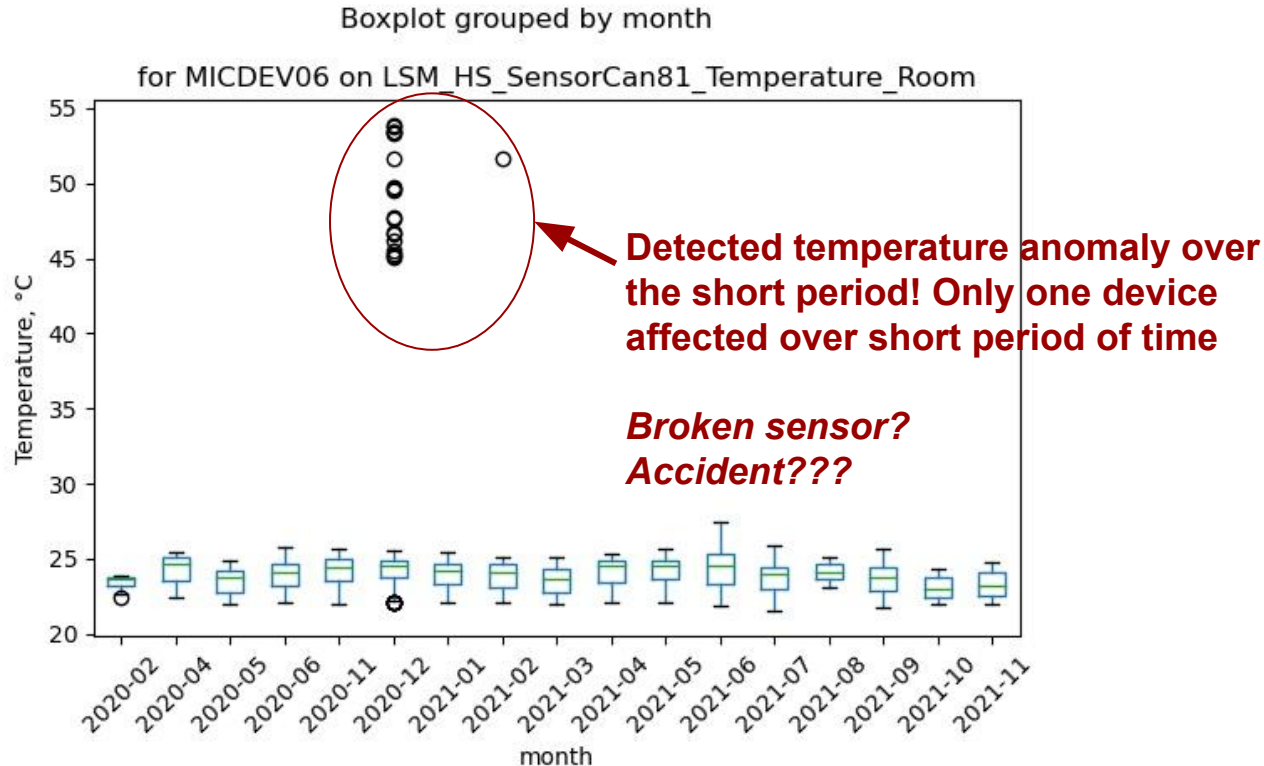


Almost same to changes over the year.

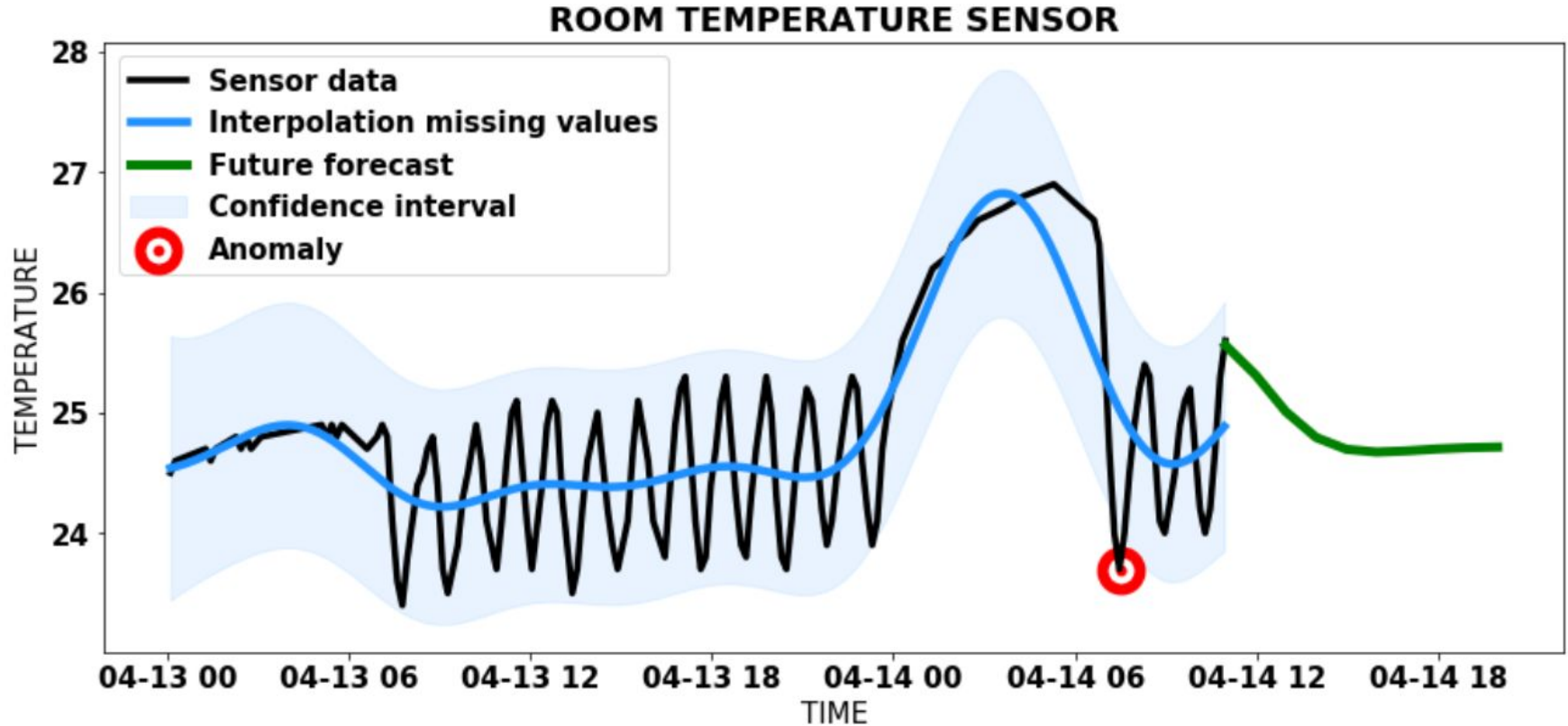
Mostly 1-2°C difference, need anomaly prediction!

Problem on daily-basis!

Look over the data: temperature in room anomaly



Anomaly detection, forecasting, and missing values handler

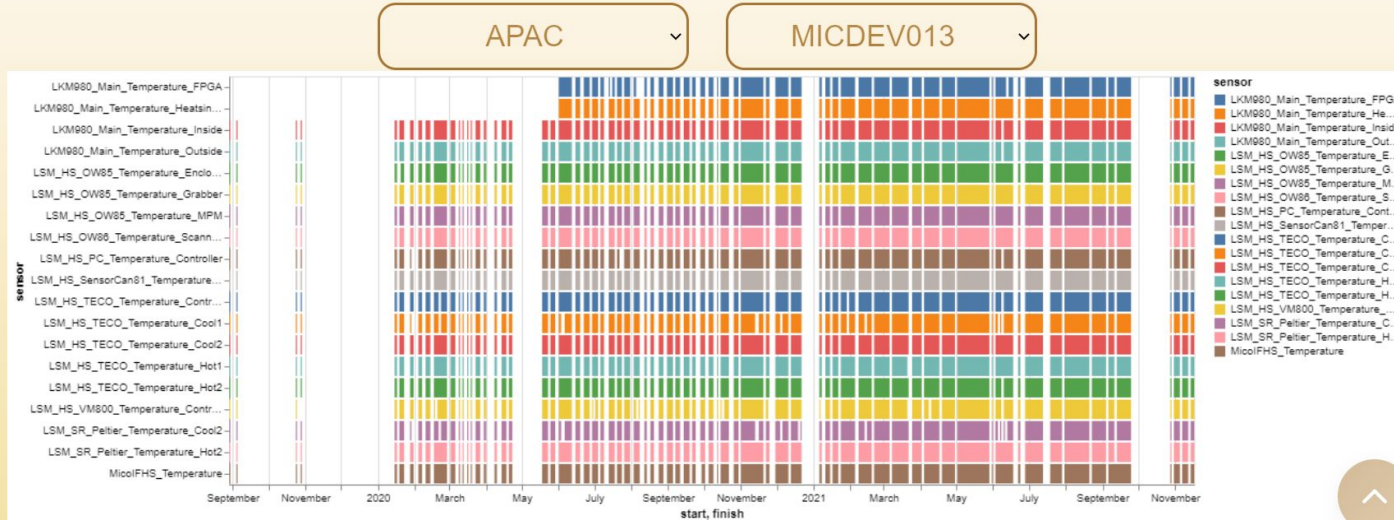


We have a demo!

Visit it:



Explore the Data



sensor coverage over all period

Thank you for attention!

