

MVP Wassermeteor: (MVE = Minimal Viable Experiment)

As a... Wassersportler

I need... reliable Weather data

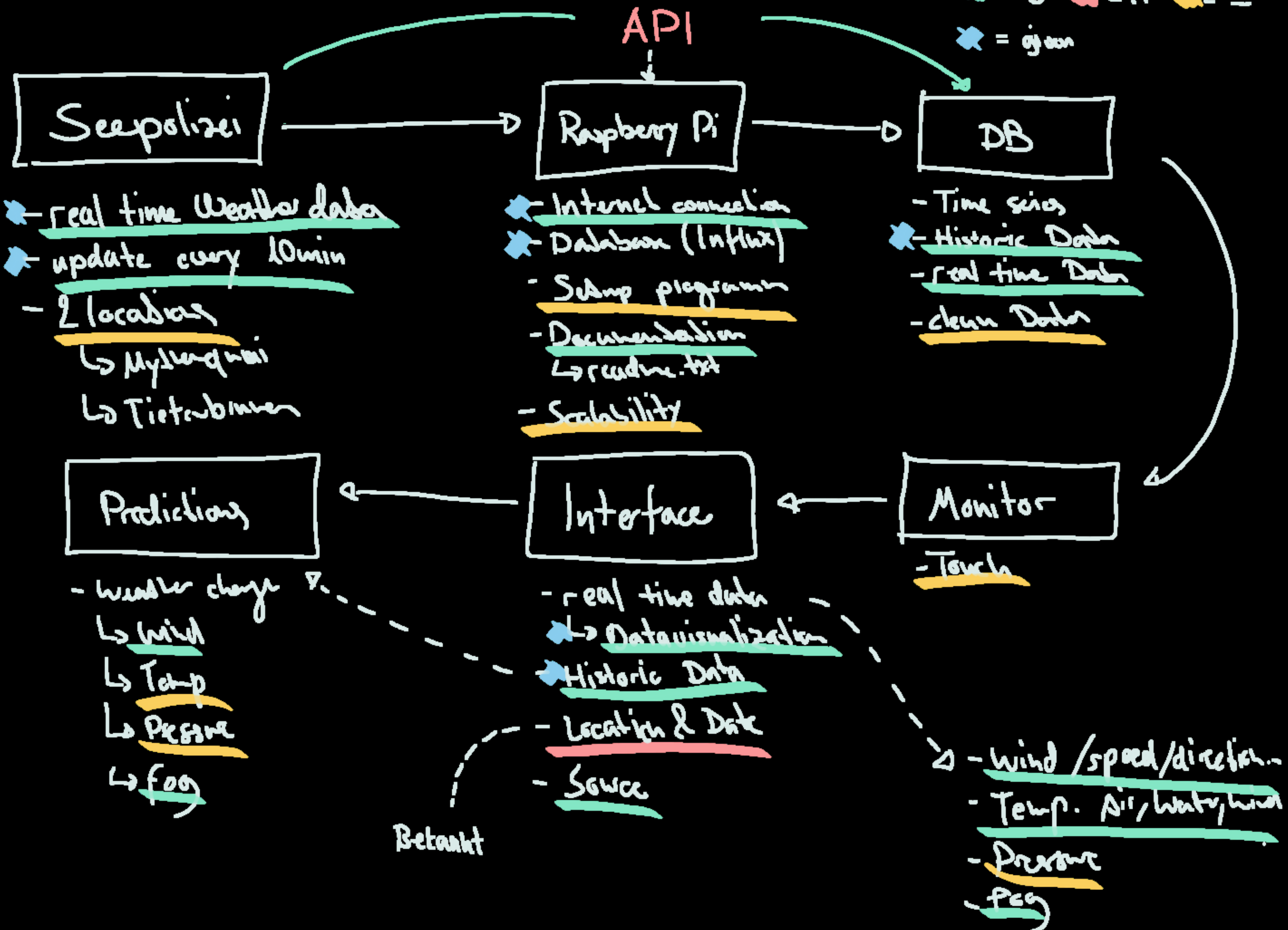
So I can... Plan activities on/in the lake

Target:

- Grundlage für weitere Iterationen
- Prüfwegliche Bereitstellung für den Nutzer
- Herstellungskonzept

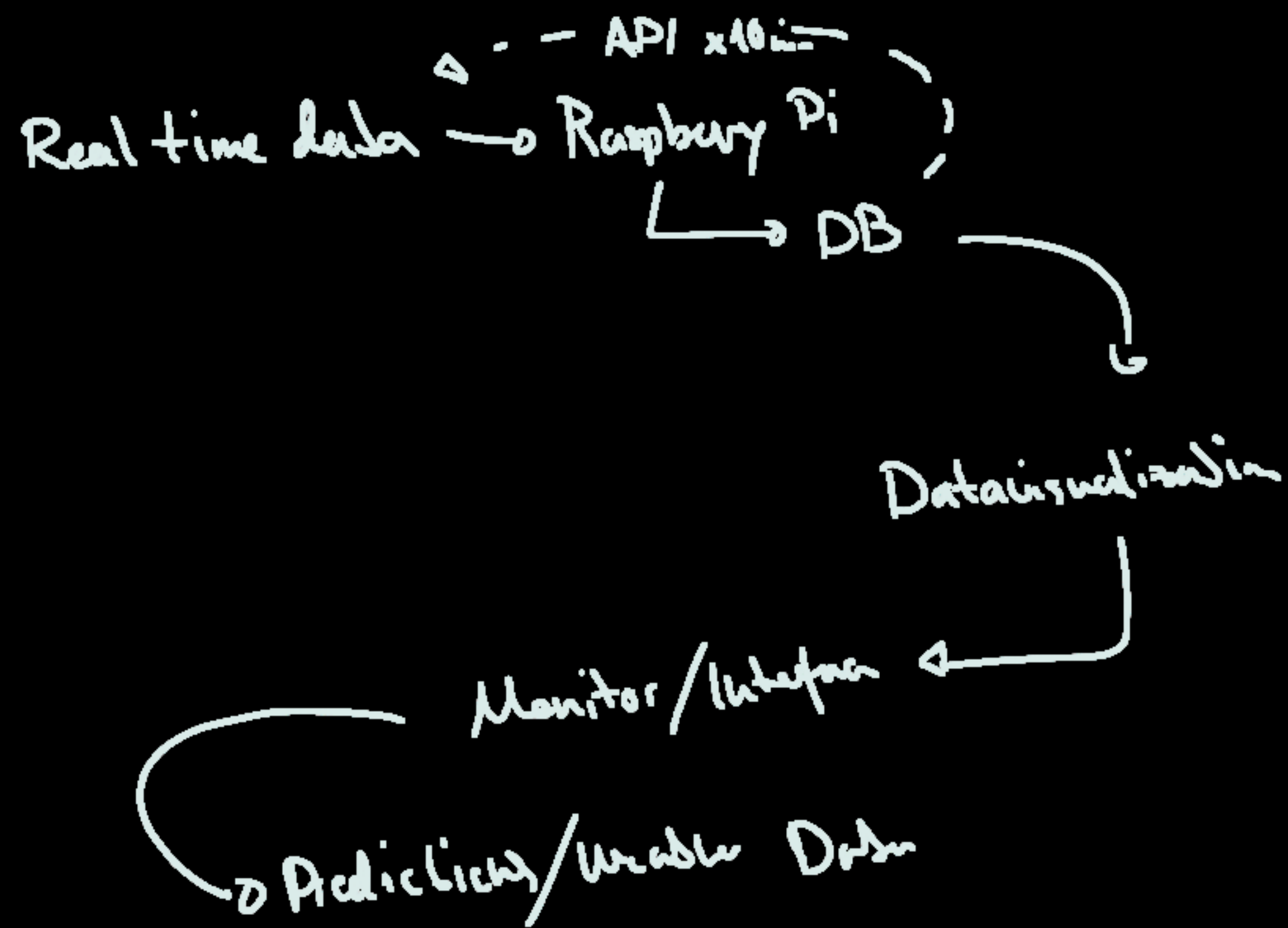
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Bekannt

Simplest Version: (Dataflow)



Minimal Weather data needed by Sailors:

- Windspeed & Direction
- Visibility
- Temp (Air)

Hardware

- Raspberry Pi 1
- Monitor ✓

Software

- API
- DB (InfluxDB)
- Python scripts
 - ↳ Data cleansing
 - ↳ Data visualization
 - ↳ Prediction
- Interface --- Influx

Minimal Interface (Real Data, History, Prediction)

Titel

Date+Time

last update

Realtime Data

- Wind (Speed/Direction) ☺
- Temp (Water/Air) ☺
- Pressure ☺

Historic Data

- Temp
- Fog/Rain
- Wind

Predictions

- Temp ↑ ↓ ☺
- Rain % ☺
- Fog % ☺
-

M_v

V_i

P_v