#### 25th COSMO General Meeting

### PT EPOCS - Task 1.4

#### **Francesco Sudati**

Aerospace Meteorology & Climatology National Center - Italy <a href="https://www.meteoam.it">www.meteoam.it</a>

Gdansk (Poland), September 11th 2023





### **Testing started in Dec 2021** (About 21 months)







T 18.6° C H 49% A 120m Milano 20230402-13:43 UTC





### By Bicycle or by car





meteotracker.com









### **Every weather & T/Ur conditions** (-8/+38 °C)







**UNSUITABLE IN WET SNOW** 





### **Every ENVIRONMENT**







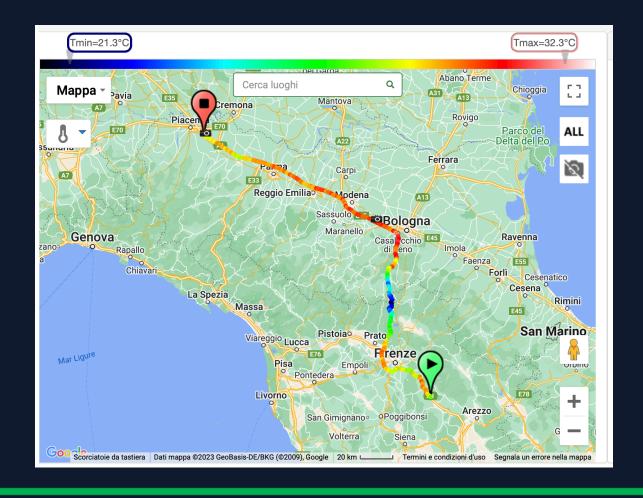








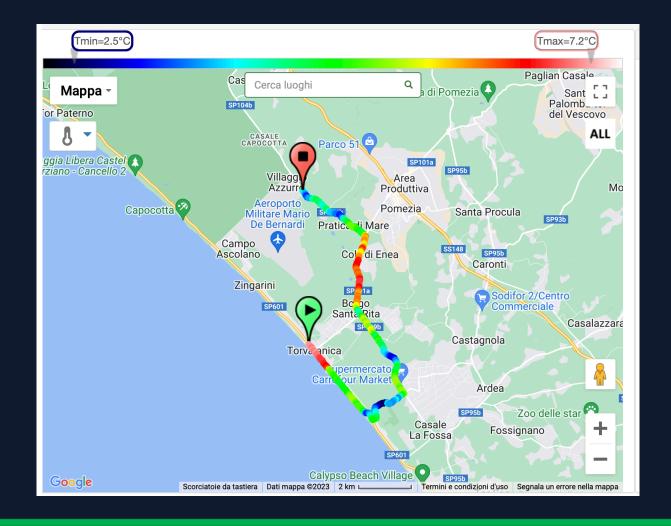
# Very long distance: 275 km (10000 point recorded)







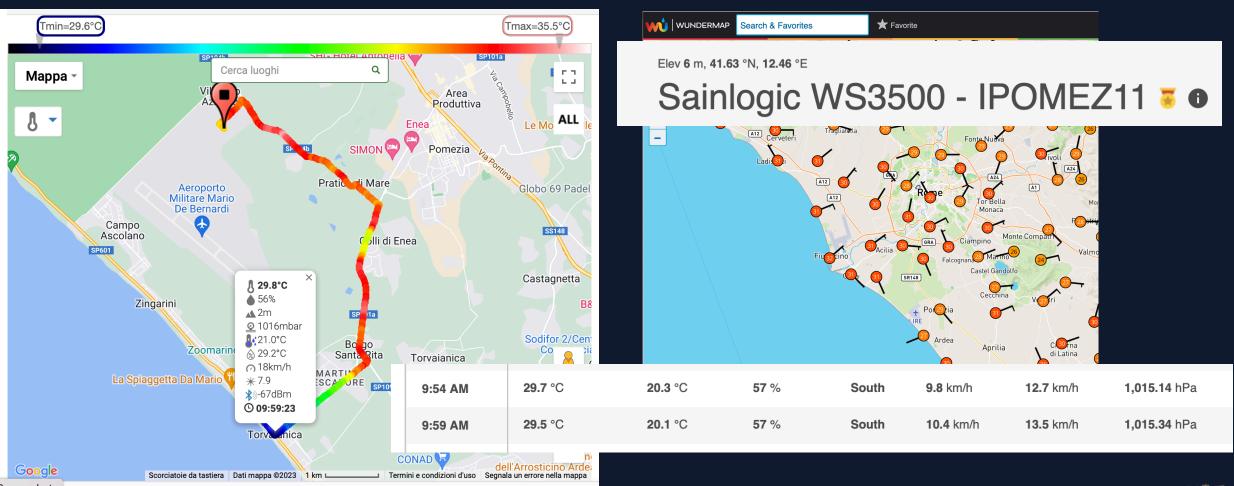
## Useful for identifying micro-circulations along the coast near the sea







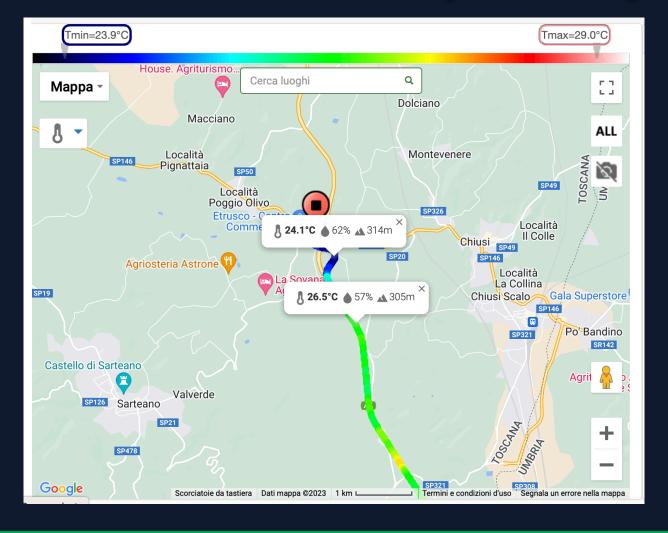
## Field test by comparison with other weather stations







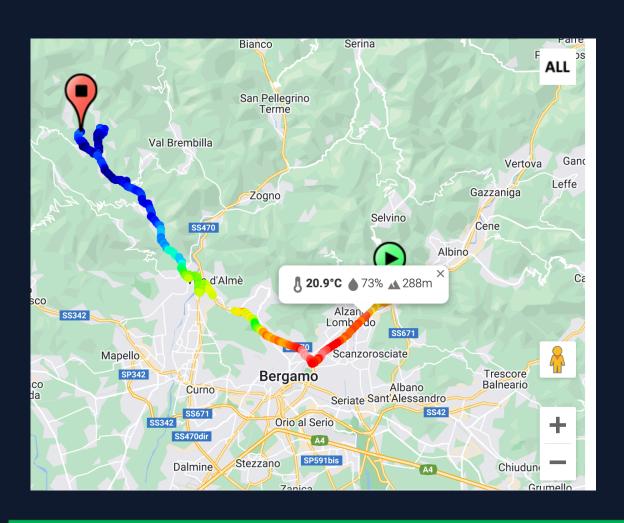
# very useful for measuring the temperature overestimation induced by a busy highway







## Field test by comparison with other weather stations

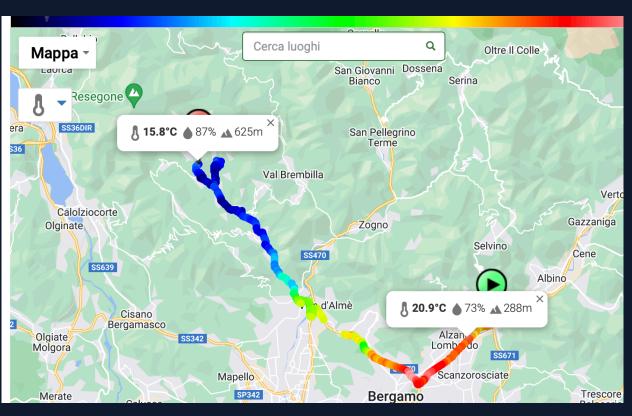


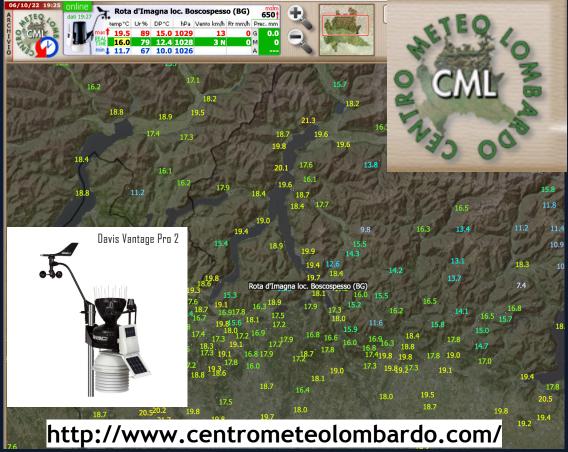






## Field test by comparison with other weather stations









#### Results of field testing

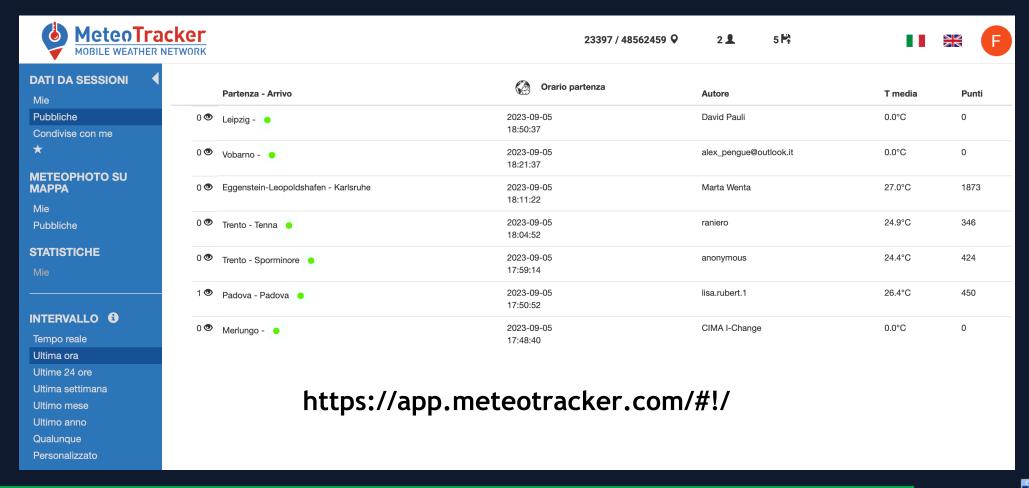
- Temperature accuracy of MT is comparable to a"good"
  WS (0,2-0,4 °C);
- Relative Humidity accuracy is a little bit poorer and MT tends to overestimate RH (5/10%);
- Altitude marked by the GPS is sometimes completely wrong;





#### **Future developements**

#### Acquire public data from MeteoTracker app







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### Thank you! Questions?



