

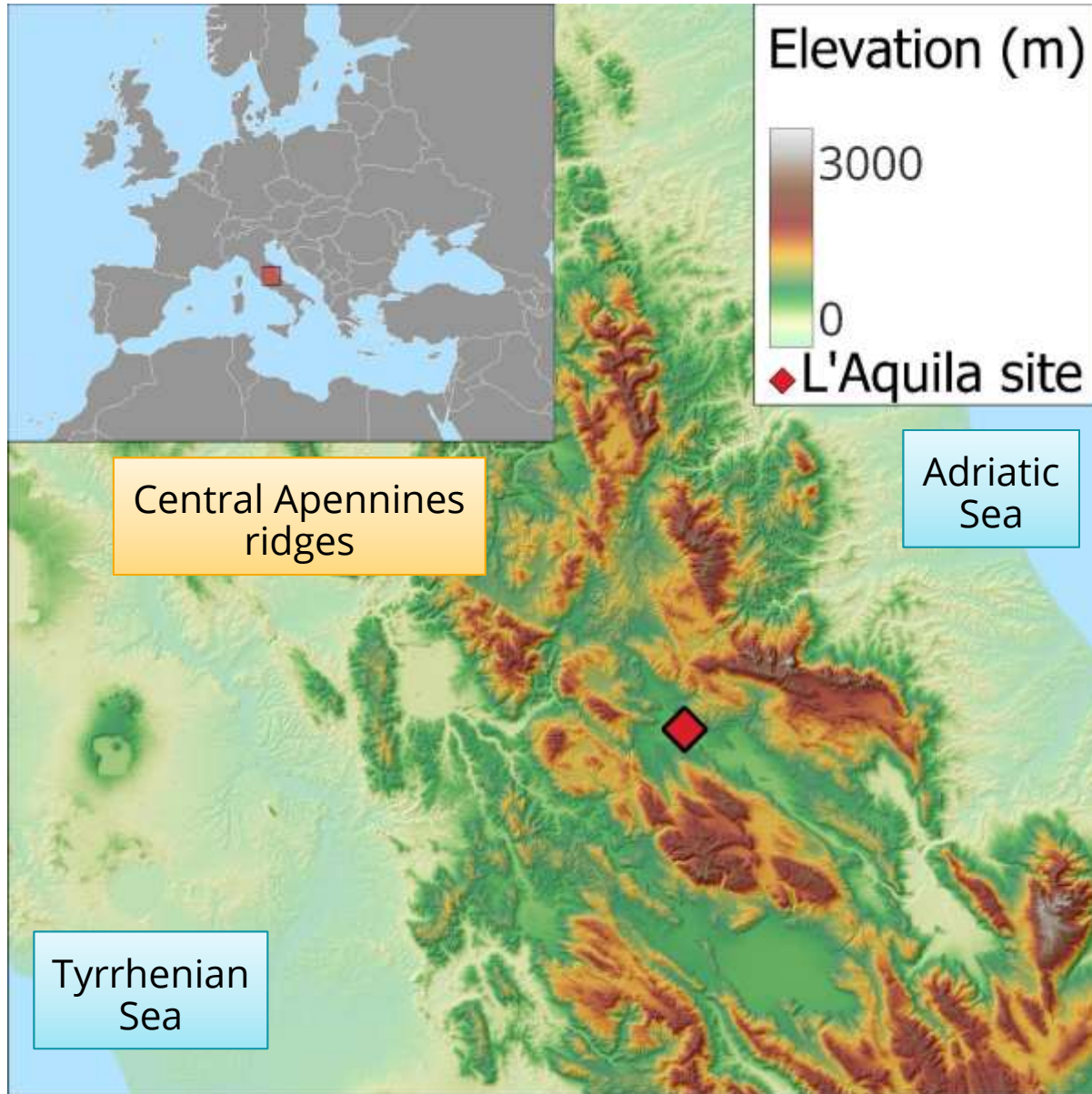


Presentation of L'Aquila (Italy) National Facility

Andrea Balotti
andrea.balotti@graduate.univaq.it

CCRES/CLU Spring Workshop, online, 19-20 May 2025

L'Aquila site

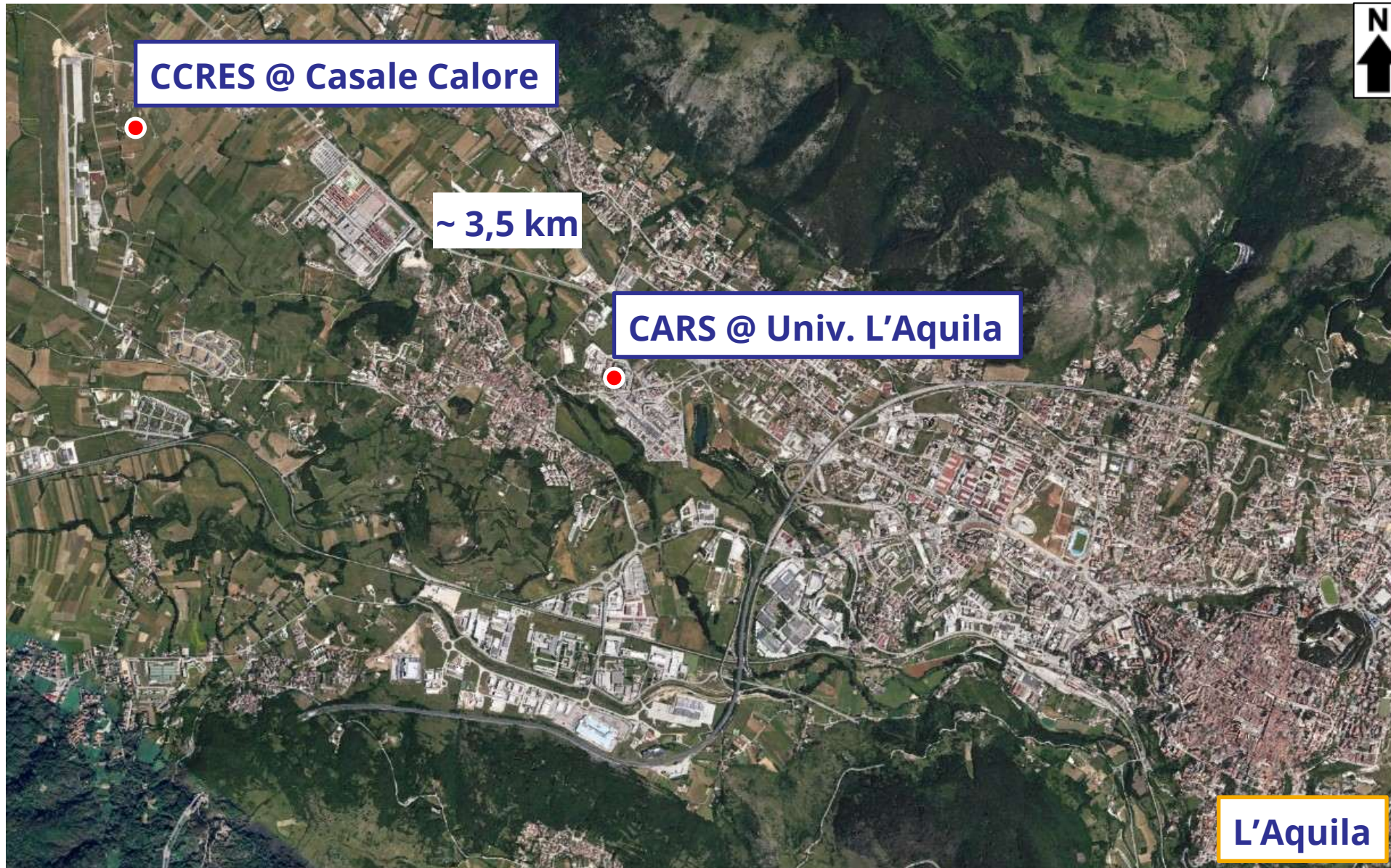


Complex orography

- Site located in a valley at about 680 m ASL
- Surrounded by peaks about 2000 m ASL
- Saharan dust intrusions between spring and autumn



L'Aquila site for ACTRIS



(Google Maps, 2025)

CARS setup

1. Lidar

Instruments

Custom (3+2 Raman + δ)

Since

2000-2012

2025

2. Photometer

Cimel CE318-NE

2015

Cimel CE318-TP9

2025

Data available in AERONET

<https://aeronet.gsfc.nasa.gov/>



Data available in
EARLINET/ACTRIS
<https://earlinet.eu>



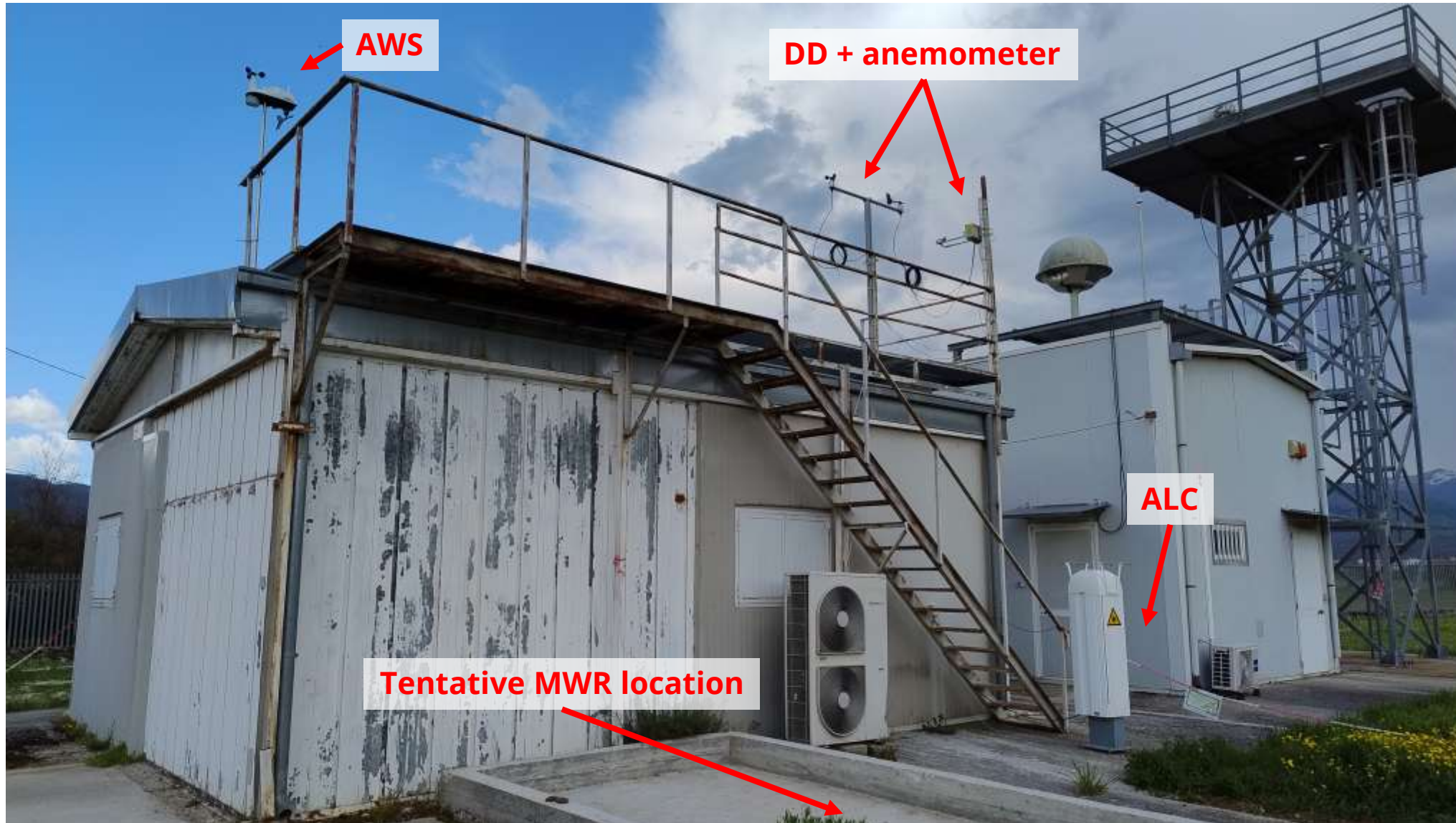
CCRES setup



Instruments		Since
1. DCR	RPG FMCW-94 GHz	2023
2. MWR	???	???
3. ALC	Vaisala CL51	2021
4. DD	Thies LPM	2023
5. AWS	Davis Vantage VUE	2025
6. Pluvio	MPS TRWS-30	2025

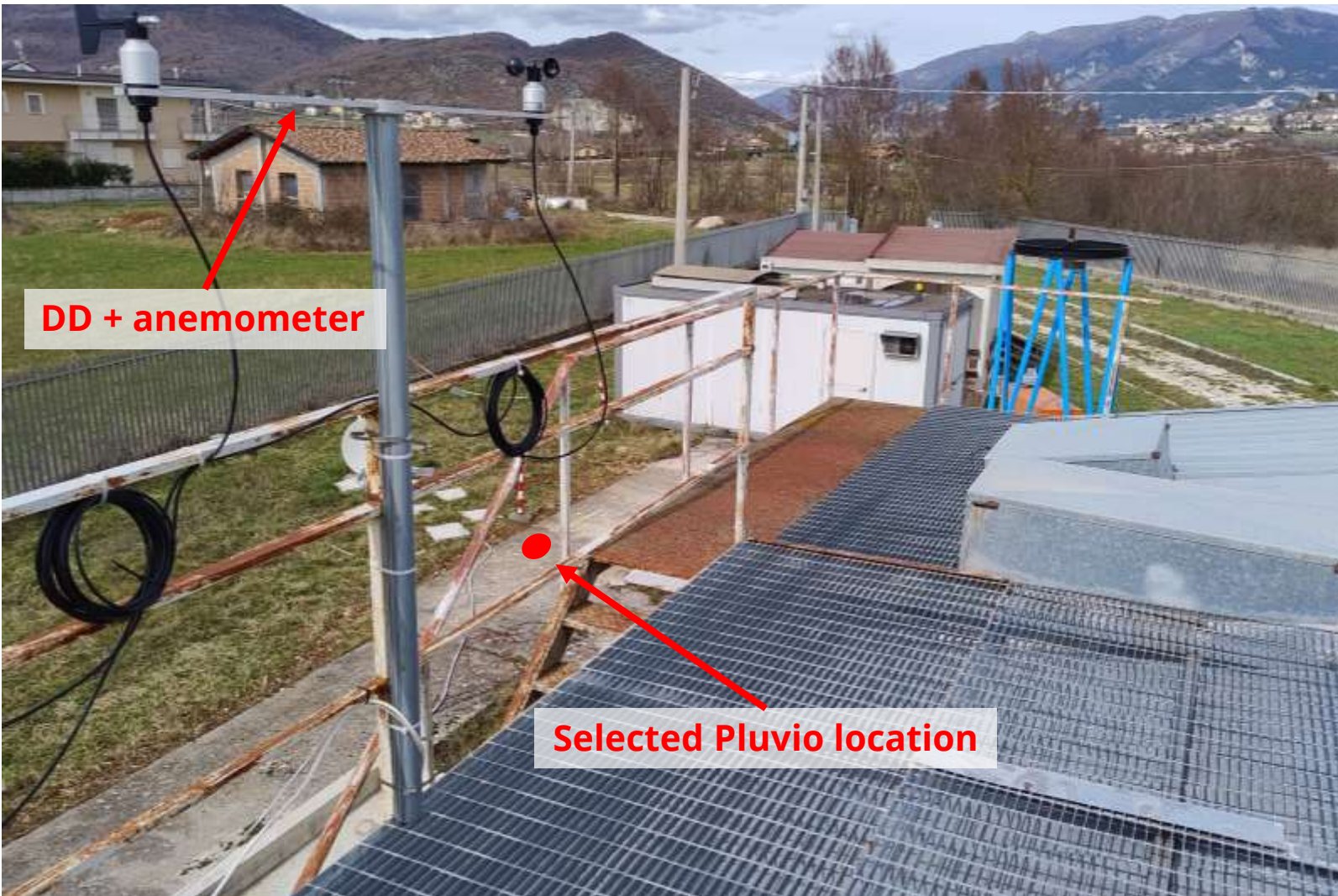
7. DWL	Vaisala WindCube 100s	2022
+		
• Radiosounding (~ 2-3 per month)		1994
(O ₃ +PTU)		

CCRES setup



CCRES setup

Pluviometer testing ongoing. Ready for installation soon



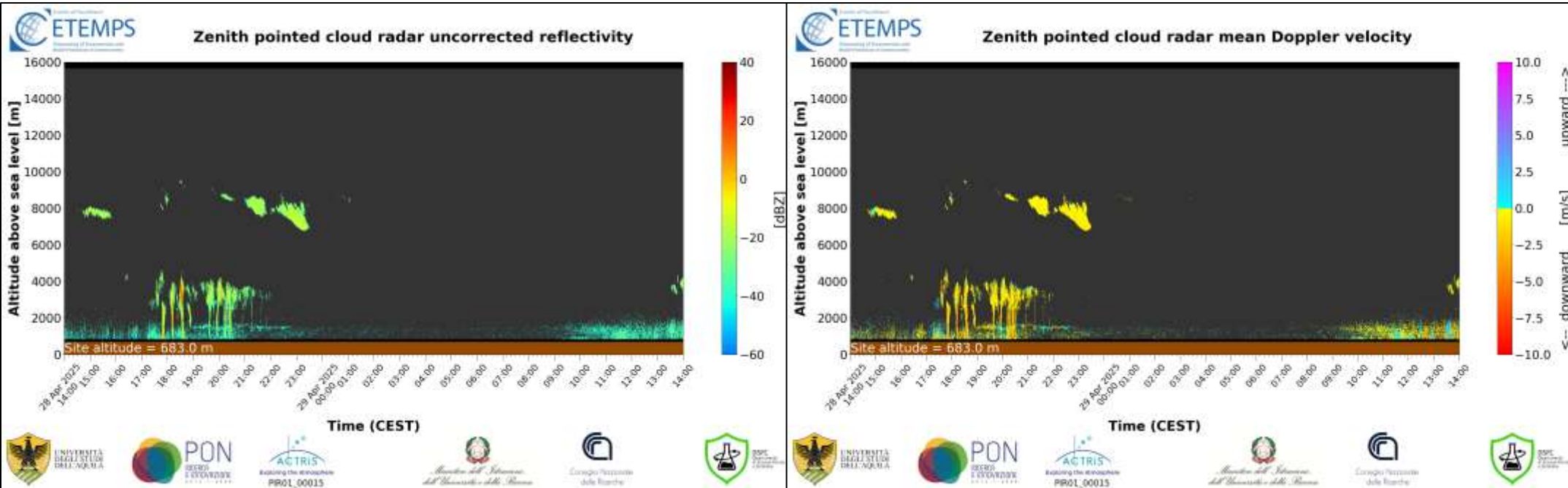
CCRES setup



Local monitoring

<https://cetemps.aquila.infn.it/previsione/>

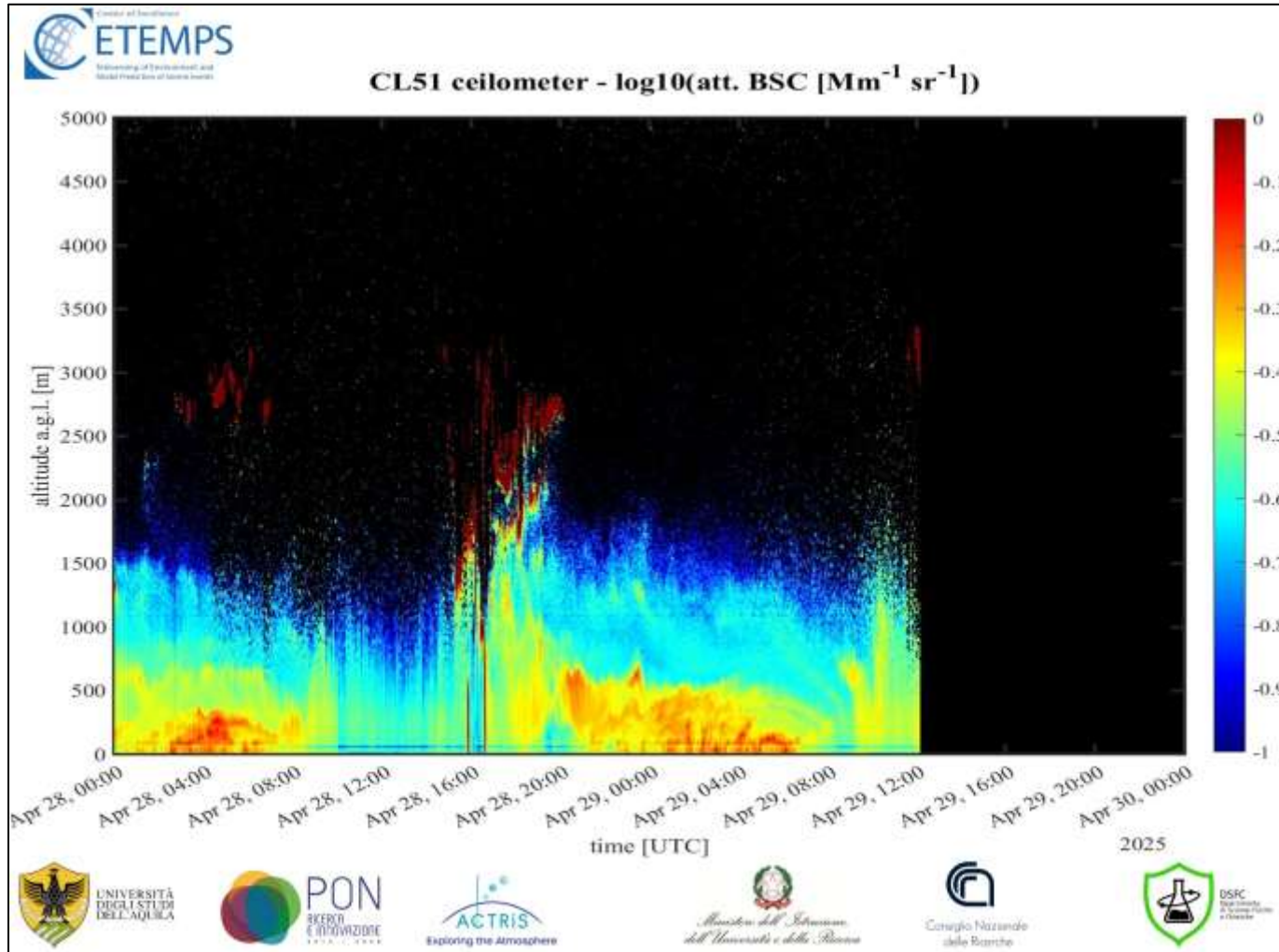
DCR



Local monitoring

<https://cetemps.aquila.infn.it/previsione/>

ALC



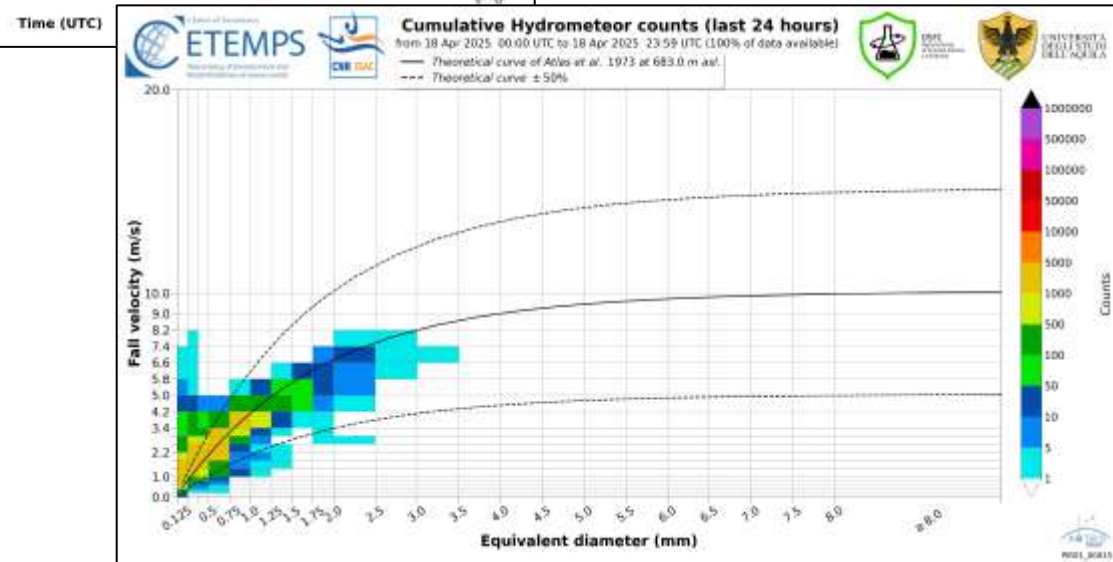
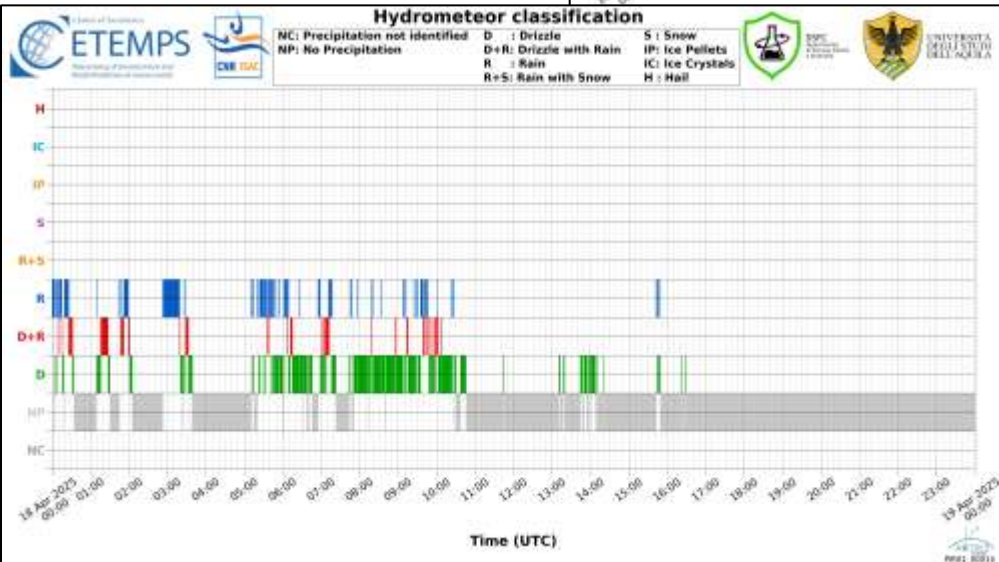
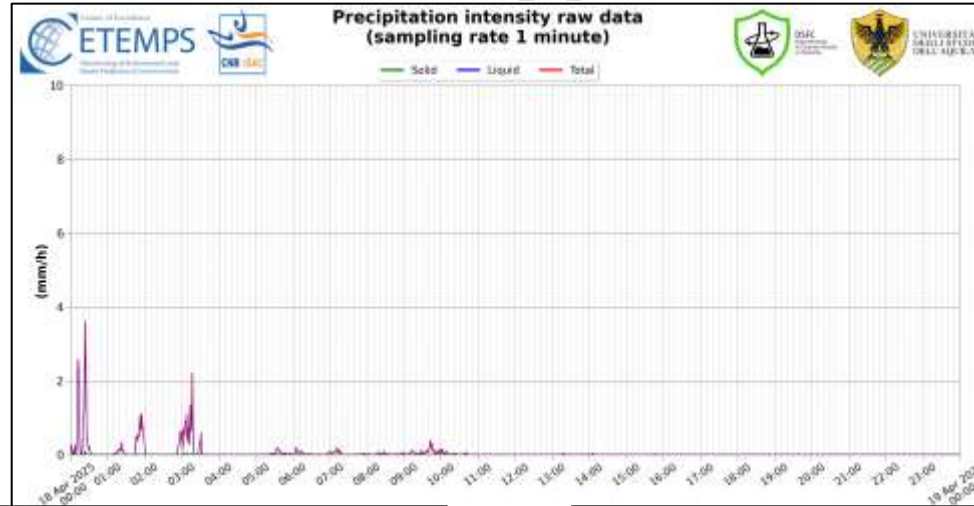
Data available also on
E-PROFILE network
<https://e-profile.eu/>



Local monitoring

<https://cetemps.aquila.infn.it/previsione/>

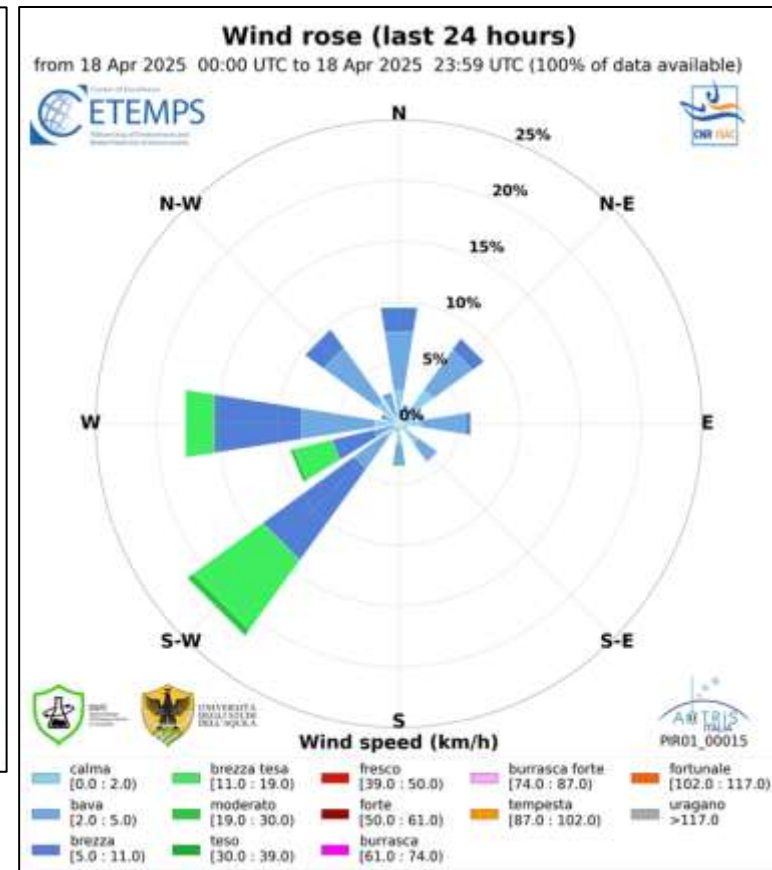
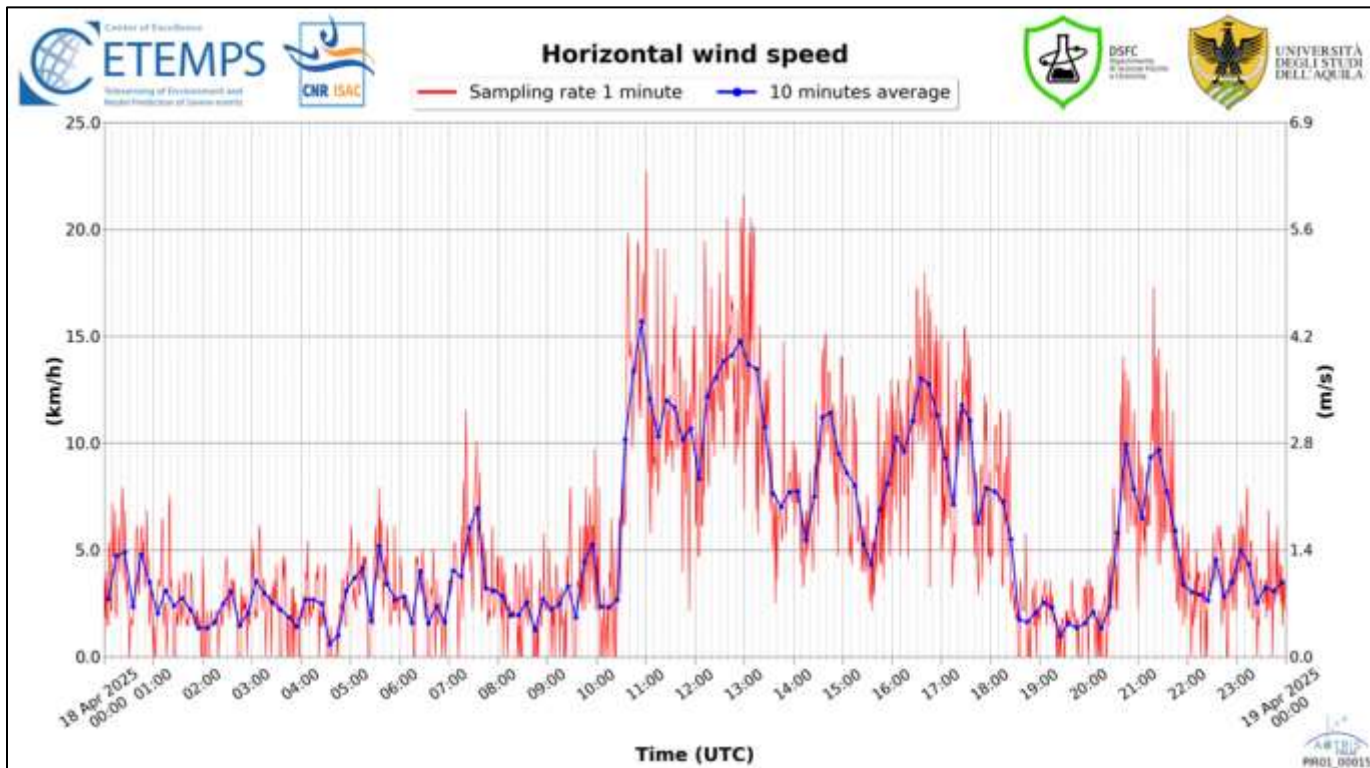
DD



Local monitoring

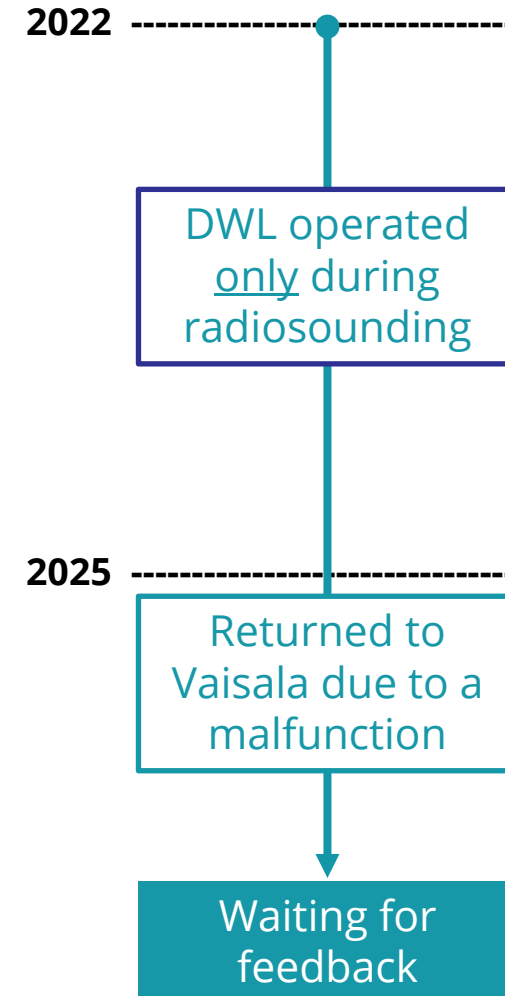
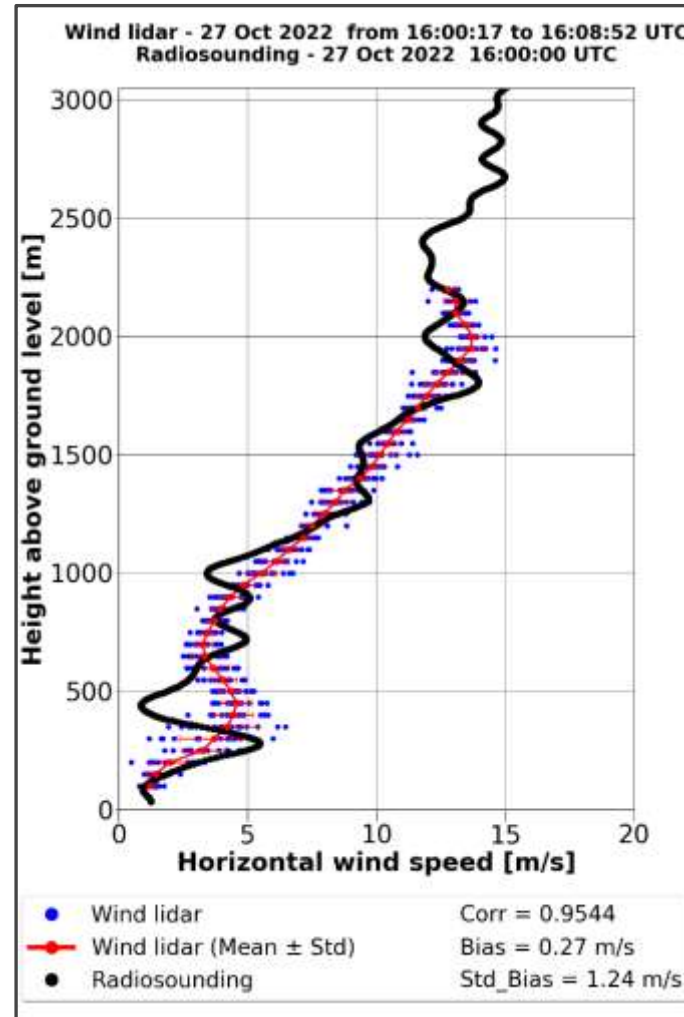
<https://cetemps.aquila.infn.it/previsione/>

DD anemometer



Local monitoring

DWL



L'Aquila team



PI:

- Prof. Vincenzo Rizi
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Staff:

- Marco Iarlori
- Raffaele Lidori
- Saverio Di Fabio
- Emanuele Avocone
- Andrea Balotti
- Alberto Cirella

External collaborators:

- Mario Montopoli (CNR)
- Domenico Cimini (CNR)



Thank you !

Local monitoring

DWL

Data availability

