Eventi idro-meteorologici estremi: quale ruolo dei cittadini-scienziati?

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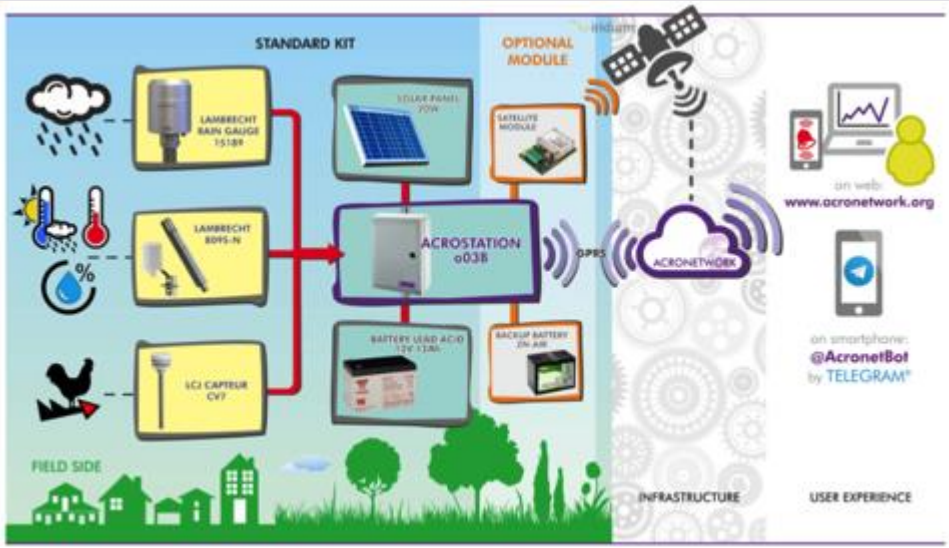
CIMA Research Foundation

Eventi estremi e cittadini scienziati

- **Osservare (per aiutare) a prevedere: alcune idee**

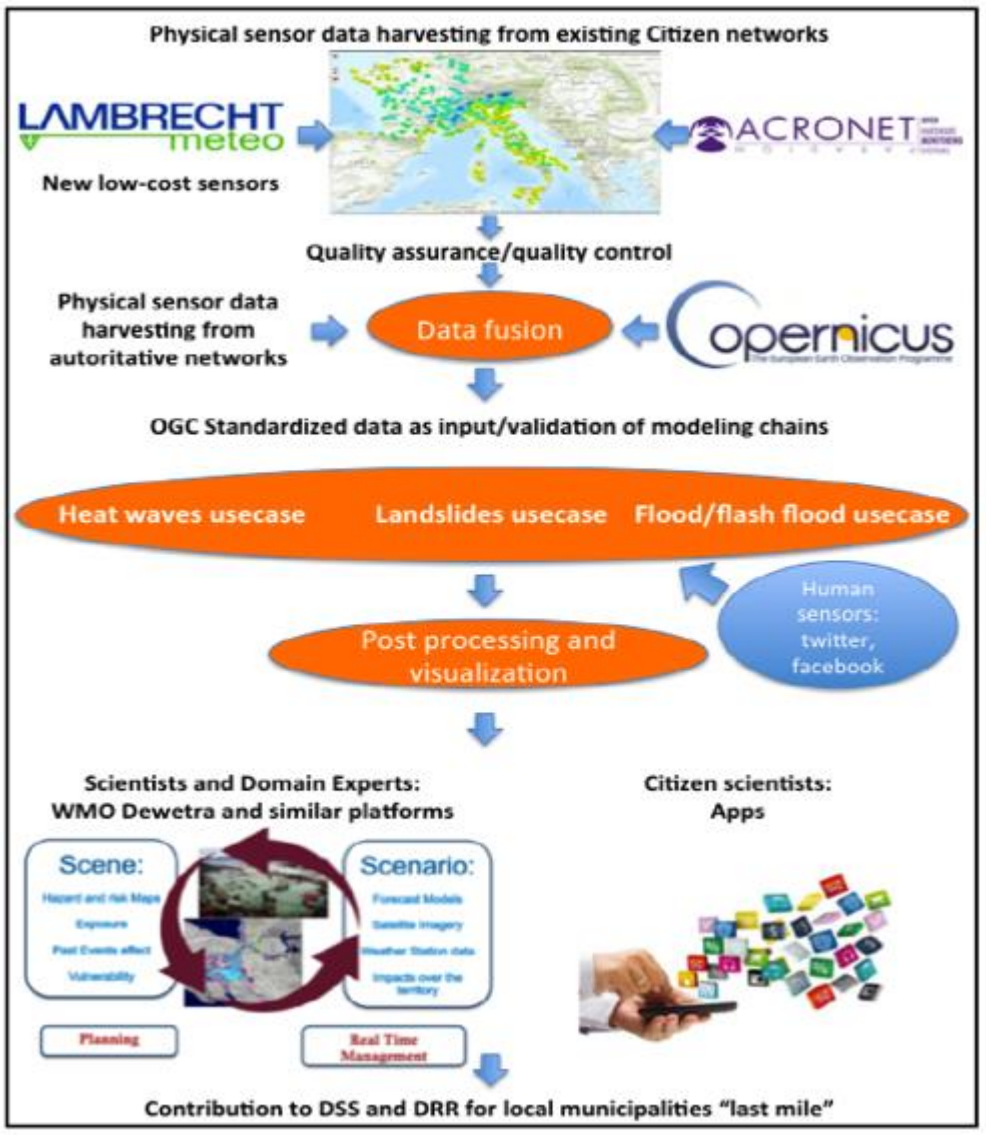
applicazioni mobile

Stazioni meteorologiche open hardware, lower cost



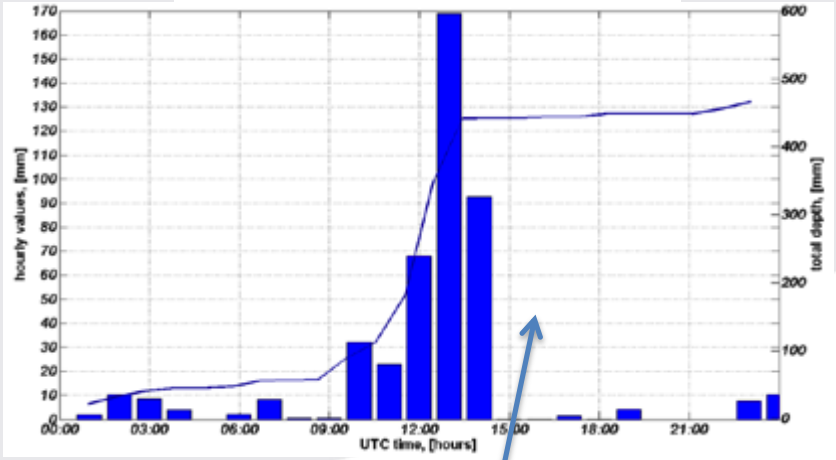
Eventi estremi e cittadini scienziati

Prevedere (per aiutare) a prevenire: alcune idee in cooperazione con IMATI-CNR Genova

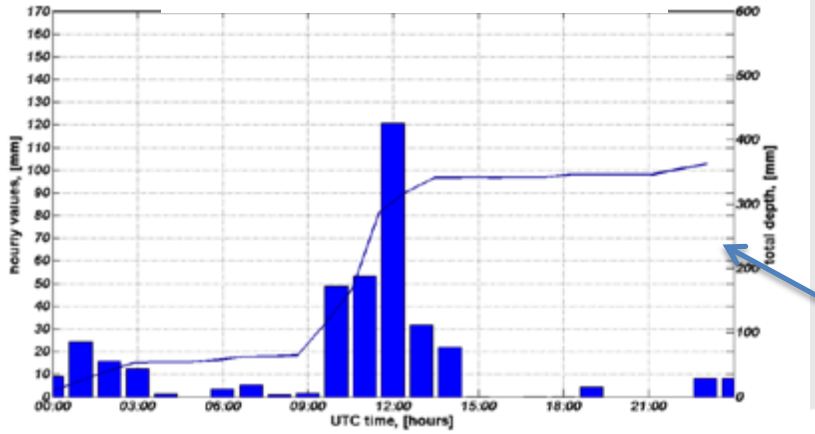


Citizen science success story (1): Genova 2011

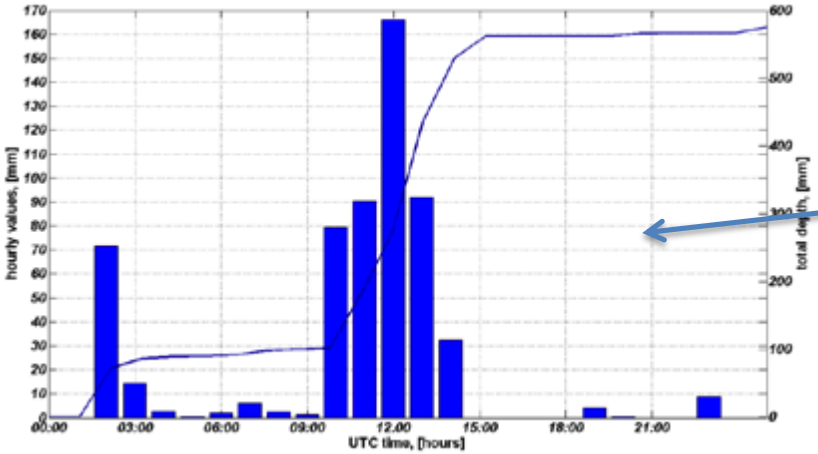
Vicomorasso



Gavette ARPAL



Quezzi Wunderground



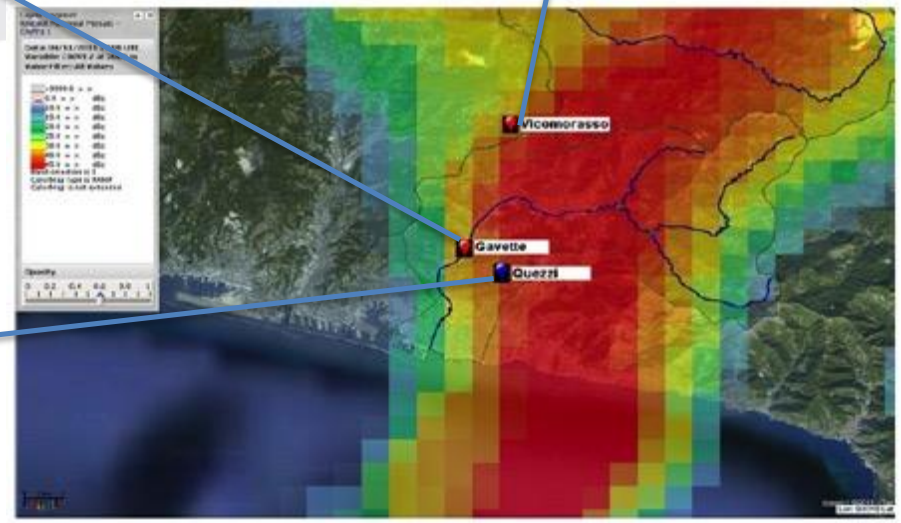
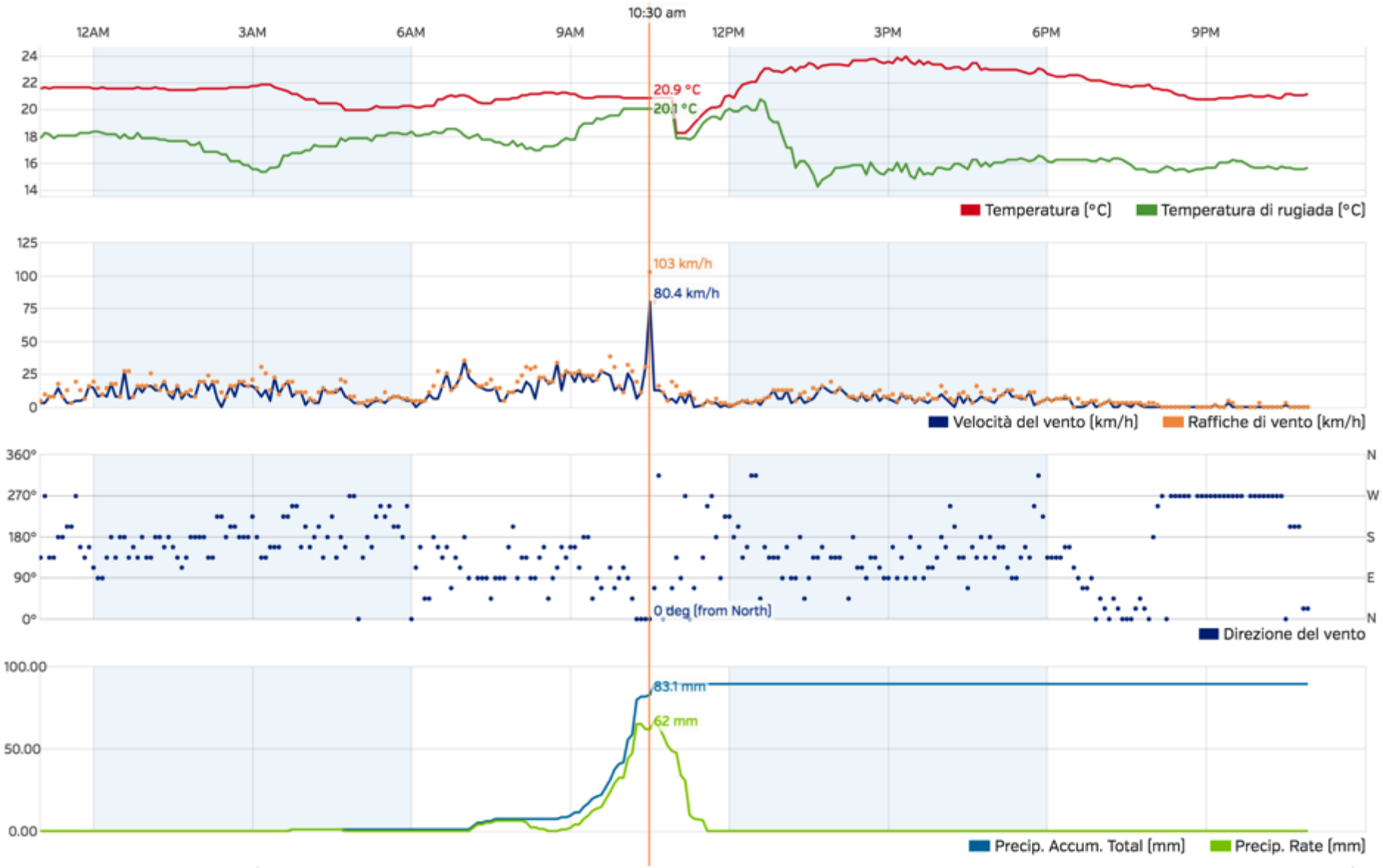


Foto di Niccolò Ubalducci
https://twitter.com/nuphotographer

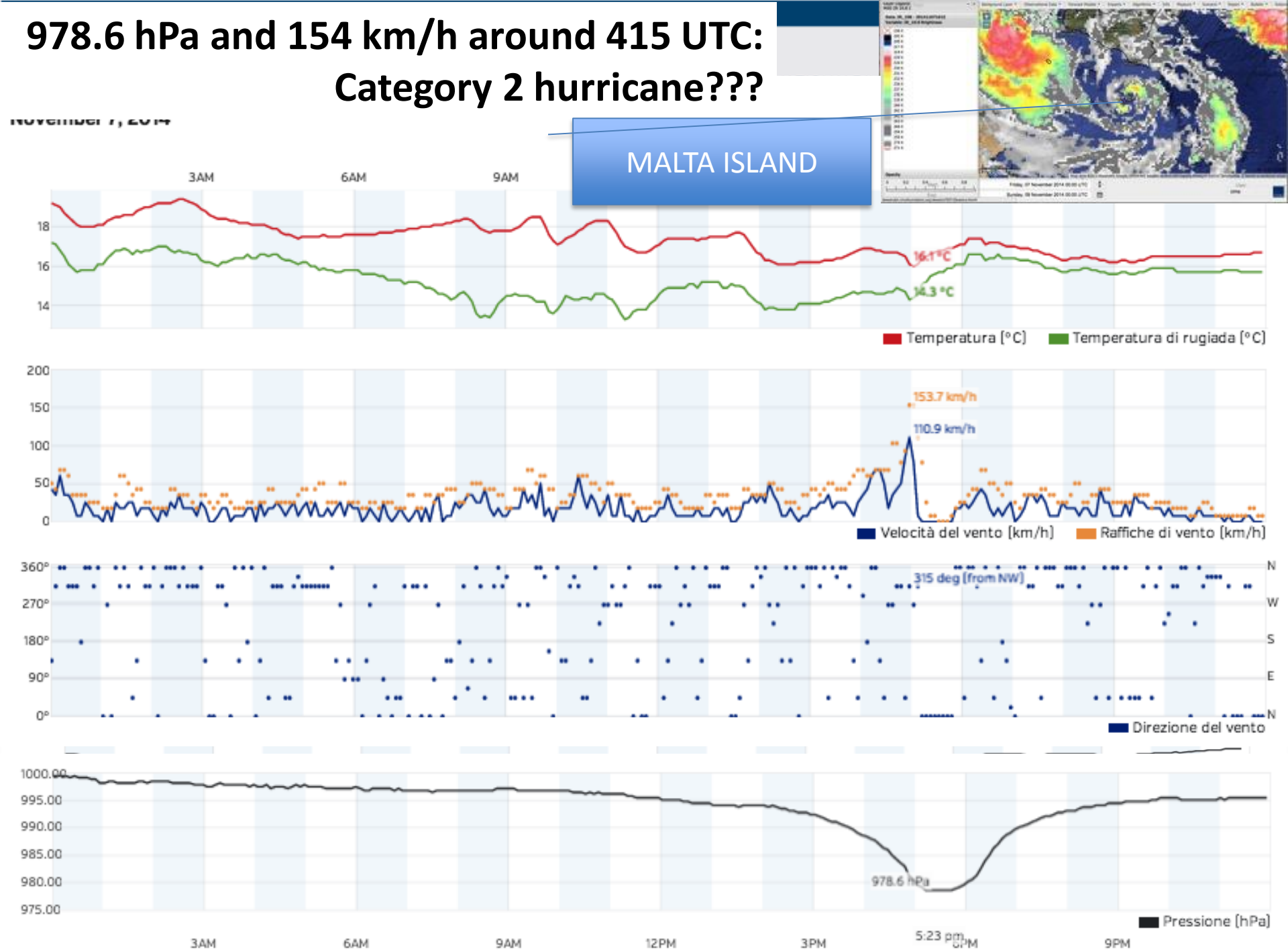
RESEARCH

Weather History Graph
August 19, 2014



Observe to predict, predict to prevent

978.6 hPa and 154 km/h around 415 UTC: Category 2 hurricane???



Citizen science success story (5): Portofino downburst 14 ottobre 2016

FALSO!!!

VERO!!!

Conclusioni

Cittadini scienziati e i loro dati possono essere utili

- **per capire meglio alcuni processi fisici da un punto di vista scientifico**
- **per fornire talora dati osservativi altrimenti non disponibili per specifici eventi**
- **per favorire un dialogo più efficace e costruttivo tra le autorità di Protezione Civile e la cittadinanza**
- **in alcune aree del pianeta (Caraibi, Africa, Sud America) possono essere anche integrativi/sostitutivi di dati osservativi a terra altrimenti non disponibili**