Development of monitoring systems for accurate on-time warning suited to the IT test site

Development of monitoring systems for accurate on time warning suited to the IT and HR test site

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Final Version of July/2021

Deliverable Number D.5.1.3.
Deliverable Number D.5.2.4.

Project Acronym	PMO-GATE
Project ID Number	10046122
Project Title	Preventing, Managing and Overcoming natural-hazards risk to mitiGATE economic and social impact
Priority Axis	2: Safety and Resilience
Specific objective	2.2: Increase the safety of the Programme area from natural and man-made disaster
Work Package Number	5
Work Package Title	Measures for risk mitigation
Activity Number	5.1 - 5.2.
Activity Title	Improved early warning systems for single risks Improved early warning systems for multi-hazard risk
Partner in Charge	PP2 RERA S.D. – LP UNIFE
Partners involved	PP2 RERA S.D., PP5 KAŠTELA – LP UNIFE, PP6 MUNFE
Status	Final
Distribution	Internal

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Develop a monitoring system that will enable timely warning of the risks of multiple hazards for the HR test area

PP2 RERA S.D. carried out public procurement and engaged external experts E.C.H.R. d.o.o. who installed a monitoring system at the pilot location in Kaštele.

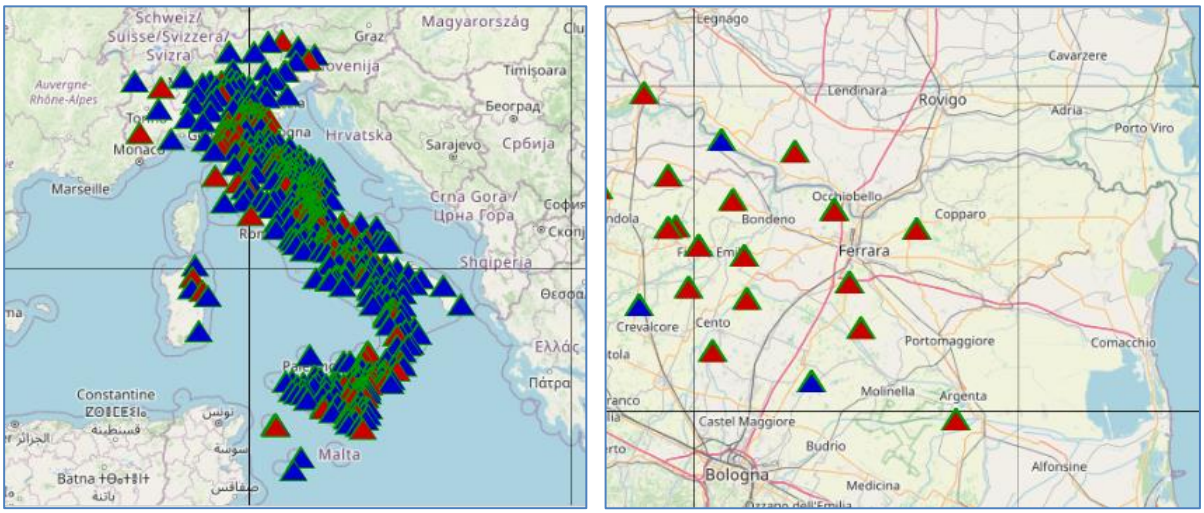
In July 2021, the contractor installed a monitoring system for the purpose of measuring wind speed and direction (MeteoWind IoT Pro) and air pressure (meter from the MeteoHelix IoT Pro meteorological station). The mentioned equipment was installed at a selected location in the City of Kaštela in order to obtain accurate readings from the sensors according to the manufacturer's specifications. The equipment was installed and connected to the network, and the realization of the second part of this delivery enabled access to the collected data.

Also, the Executor has established a monitoring system that provides insight into the data collected in an interval of 10 minutes, which can be changed below depending on the need for further project activities. The data are available on the wallet.waveform.hr platform, with access to admin@pmo.gate and access code admin123.

Develop a monitoring system that will enable timely warning of the risks of multiple hazards for the IT test area

In the IT test site (Cona - Fe) are active the monitoring networks of INGV - Italian Seismic Network (for the seasmic risk) - and the monitorig of Consorzio di Bonifica Pianura di Ferrara (for the management of surface water and flood risk).

All the information also converges to the Civil Protection offices.

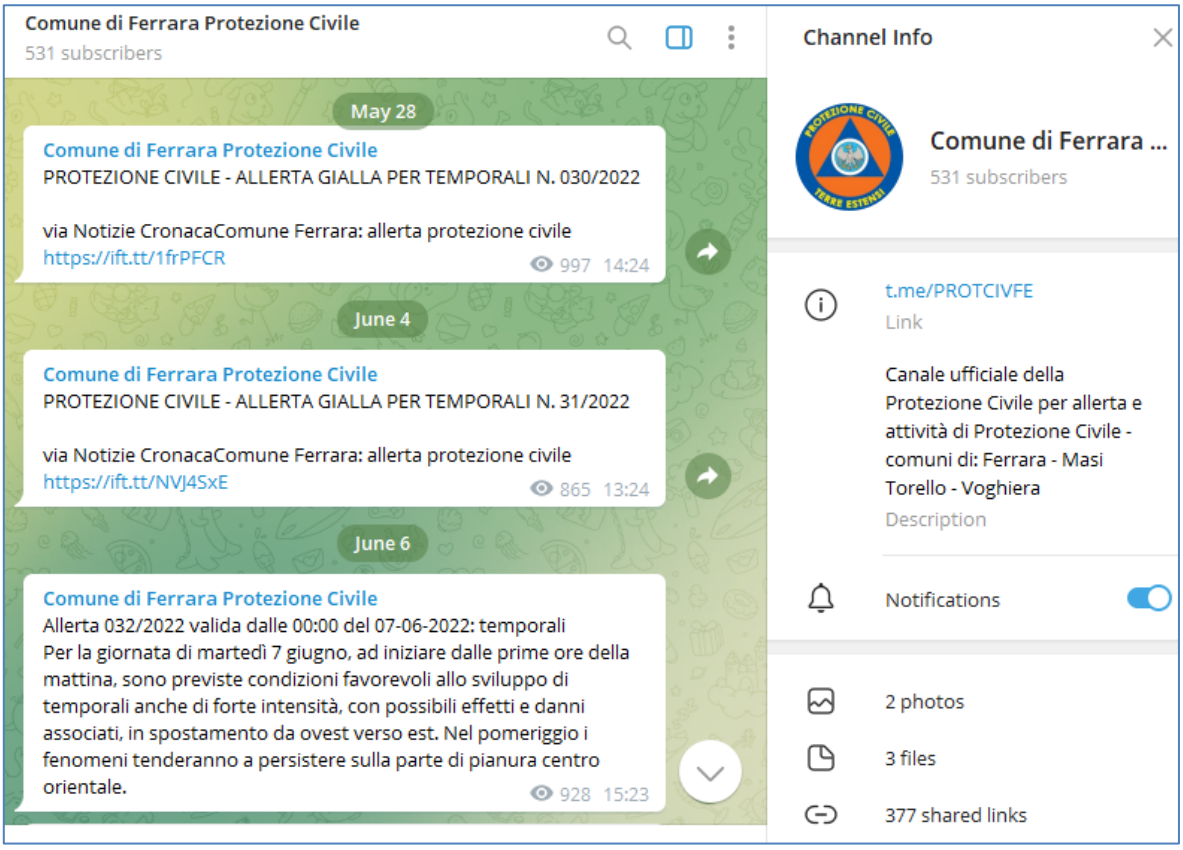


The Italian Seismic Network

As part of the PMO-GATE Project, the Civil Protection has created a Telegram channel to disseminate information on alerts and risks affecting the entire territory of Ferrara in real time.

The system is related to a subscription to be made by the citizens to the telegram channel. The system in free to use. The subscription can be made by using the QR code included in the leaflet or directly from the channel Comune di Ferrara Protezione civile.

The system is based on the prediction made by at regional level by ARPA (the Regional Agency in charge of civil protection coordination at regional level). The system provide information on heavy rains, storms, fires, wind, and according to the level of danger it provides information on alert yellow or red.
Then from the alert system there is an active address linked to the Municipality of Ferrara web site where you can find further details on the alert message. The alert is detailing the area of the extreme events occurring, the time line and the level of dangerous (yellow or red).



The Telegram Channel of Protezione Civile