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or for collaborative illapping applied to obs "singular" weather phenomena Delia Gutiérrez Rubio*, Jesús Riesco Martín and Salvador Ponce Gutiérrez, AEMET, Spanish State Meteorological Agency (*dgutierrezr@aemet.es)

WHAT?

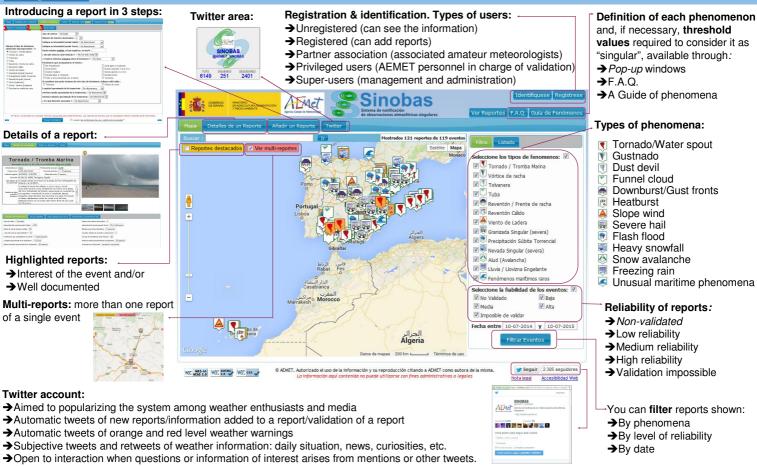
SINOBAS stands for the Spanish words for "System for reporting singular atmospheric observations" and is also a tribute to one of the first scientists involved in studying the atmosphere in Spain in the 19th century, Don Manuel Rico y Sinobas. It is a Volunteered Geographic Information (VGI) system developed at AEMET, based on Google maps and free software, aimed to facilitating citizens collaboration in reporting weather events and building up a data base of phenomena that we have named as "singular", meaning:

- **→** local (not extended over a wide area),
- **→** infrequent (not happening frequently),
- of significant intensity and
- with a potential to cause high social impact.

Information introduced by users is subsequently validated by AEMET.



HOW?



RESULTS?

→531 reports since start in April 2013, 75% of them considered of high reliability

Distribution of types of phenomena reported:

→633 registered users.

→12 partner associations.

→7804 tweets and 3139 followers since launching of @AEMET_SINOBAS in March 2014.

(Data until September 1, 2015)



Some interactions and news through our twitter account

CONCLUSIONS?

- → System of particular interest for amateur meteorologists, and a good example of what is called "citizen science" or "crowd-sourced science". It is also a way of popularizing meteorological phenomena.
- → System's twitter account provides a very prompt communication channel with the public. It is also a very effective way of popularizing the system and strengthening relationships with amateurs.
- → Activity of @AEMET_SINOBAS is of particular interest for nowcasting, because it can provide our forecasters a very fresh and enthusiastic input about existing weather conditions, particularly when significant weather phenomena happen. It can be followed from the system's "Twitter" tab on the web site.
- → Main difficulty to get an event reported is that the system requires the user to visit our website, register and fill a form. The public prefers the immediacy of a tweet. Part of the work of the management team is to get some tweets turned into reports, either by the public or by AEMET staff.



Website: sinobas.aemet.es Email: sinobas@aemet.es Twitter account: @AEMET_SINOBAS

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