

# Three years experience in France using PreDiVine DSS analysing 25 vineyards for *S. titanus* monitoring

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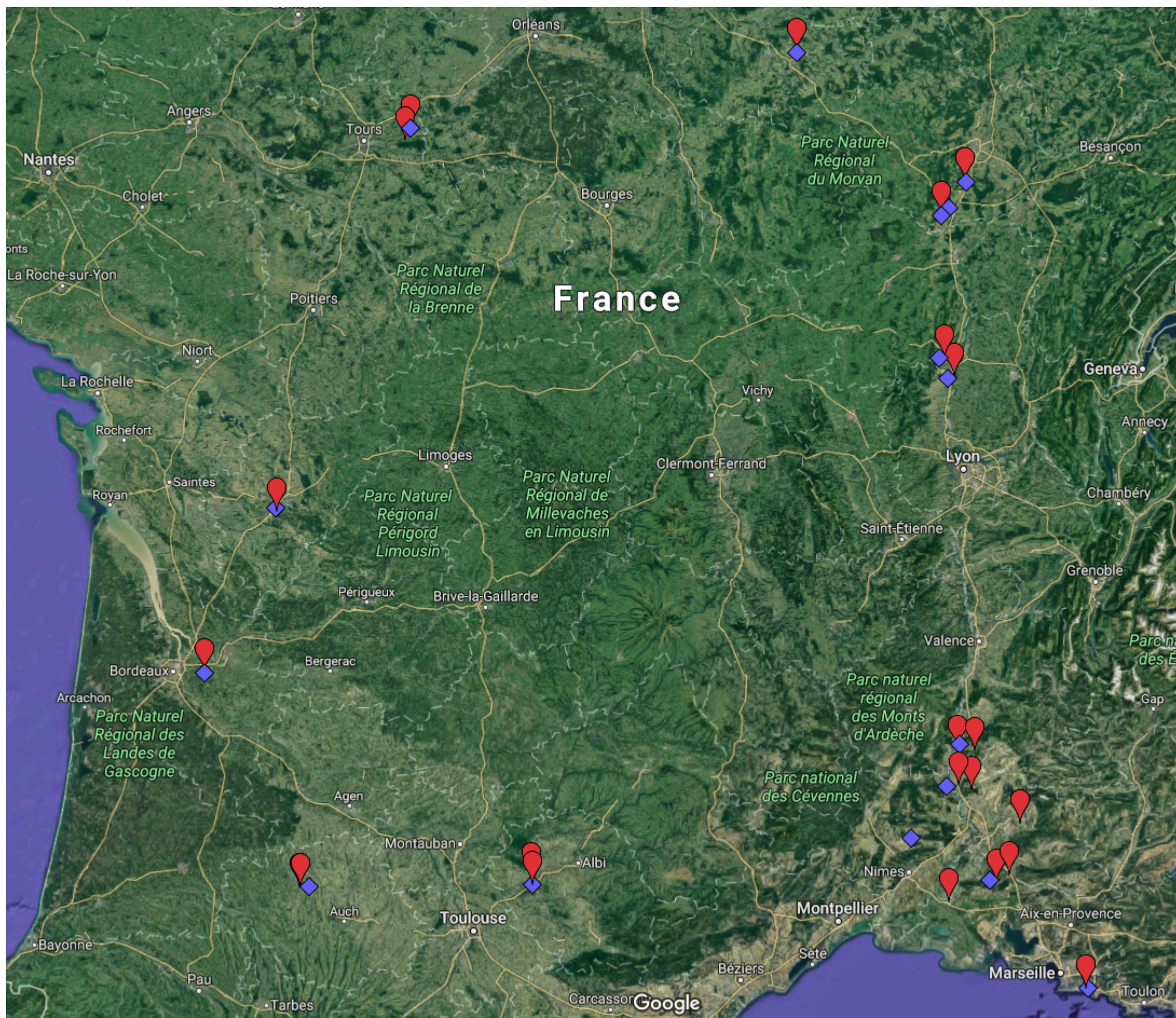
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## Goal:

Analyze the improvements of the PreDiVine forecast over three seasons (2014-2016)

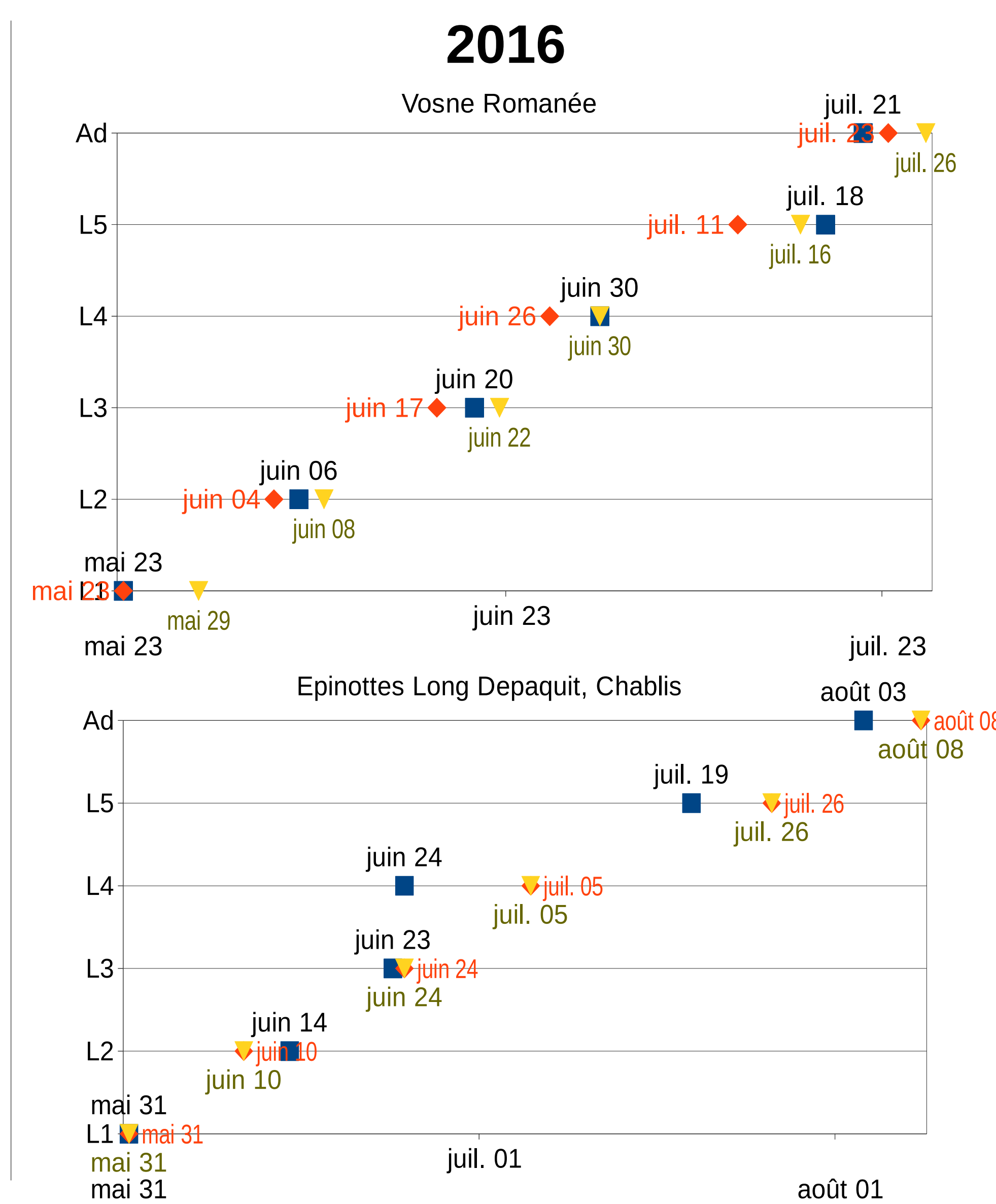
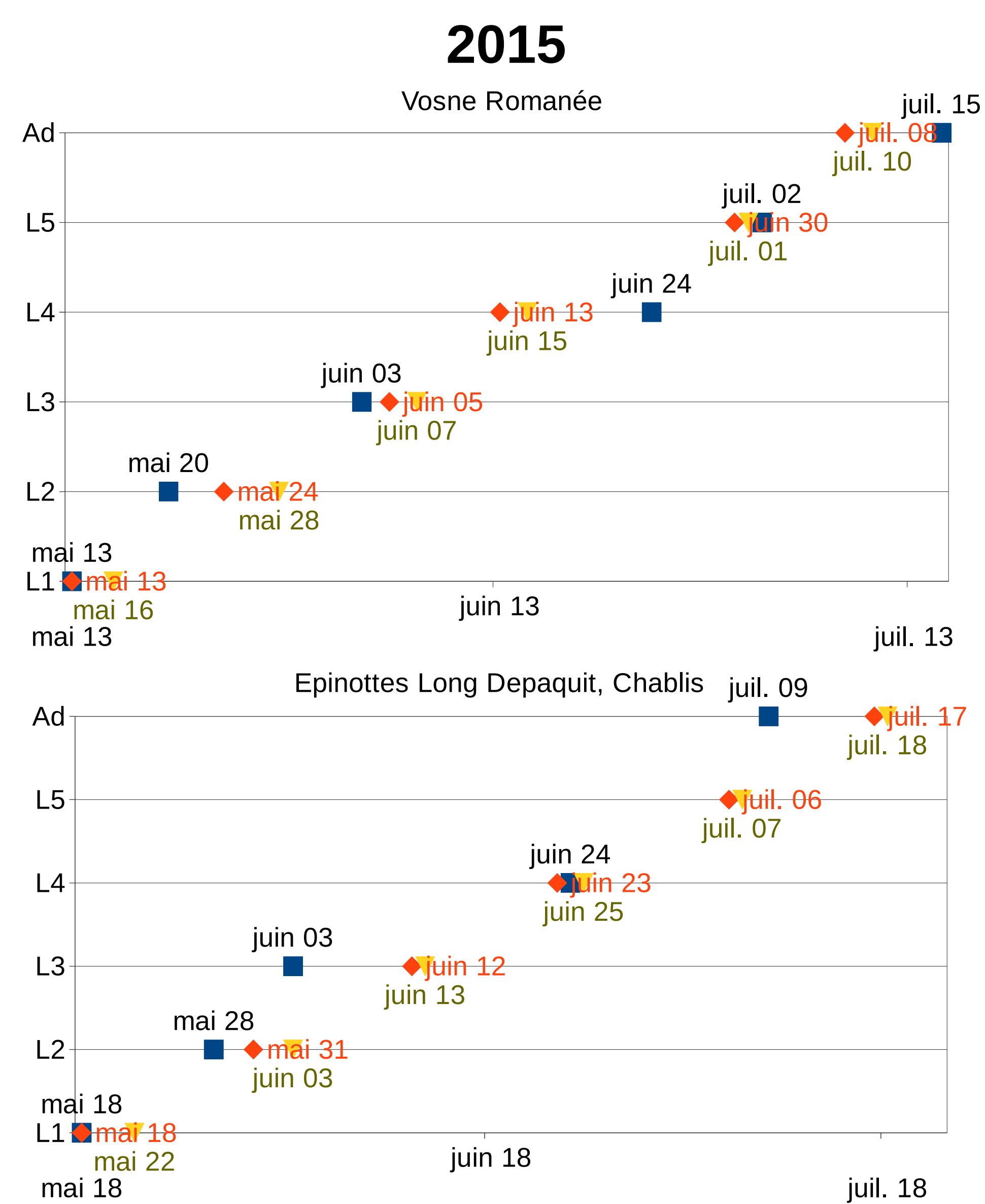
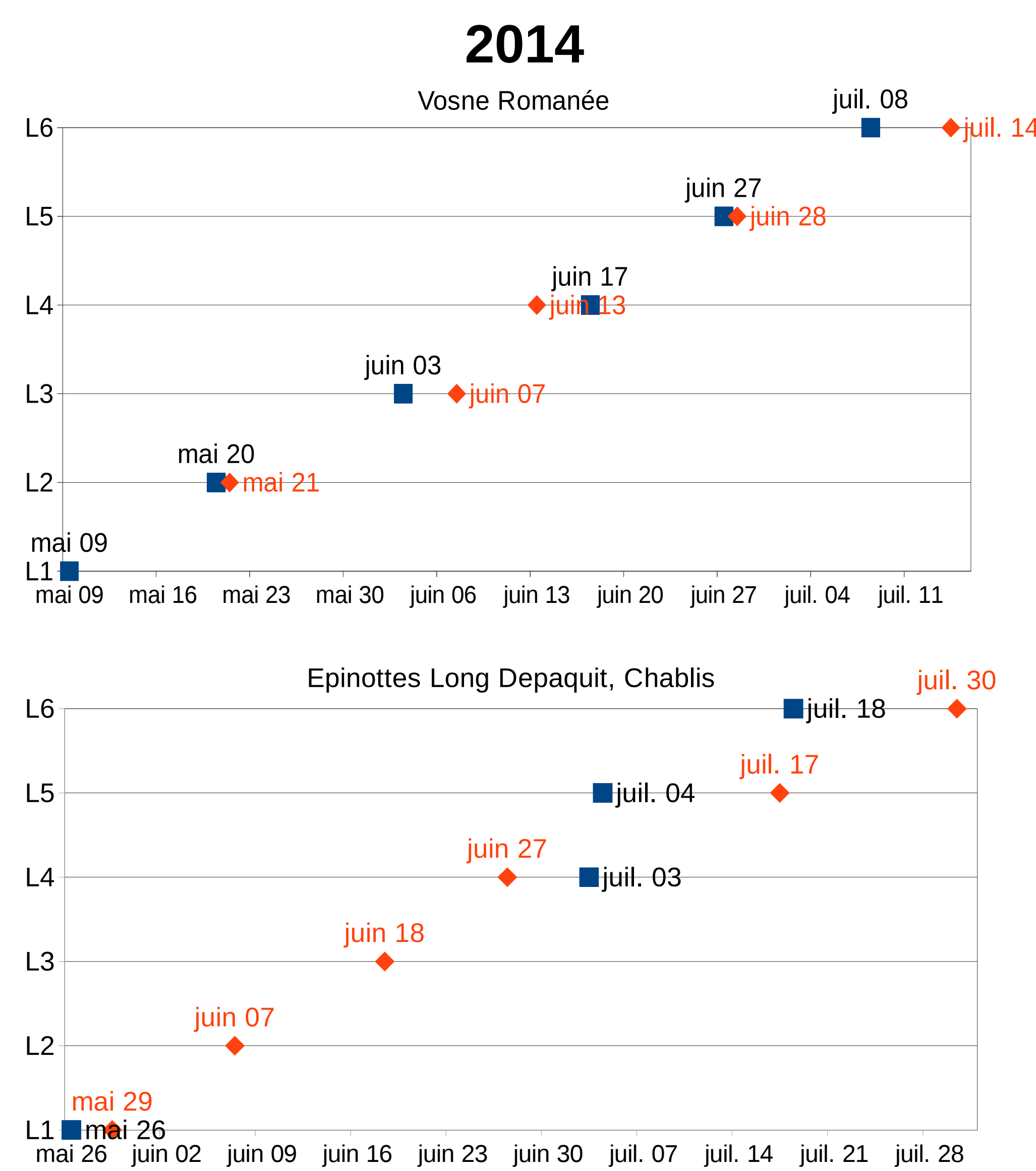
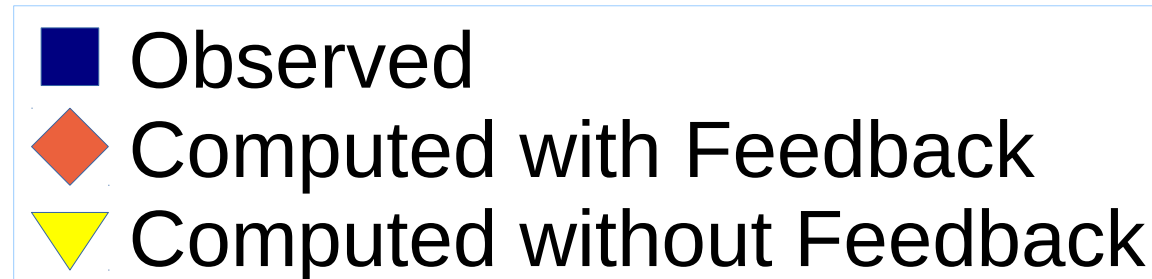


General overview of the geographical distribution of places (red) and weather stations (blue).

## Results:

We show an extract of the results based on the sites that better meet the evaluation criteria:

- Vosne Romanée (ref. station Vosne Romanée)
- Epinottes LD (ref. station Chablis Valvan)



## Conclusions:

With a sampling protocol running weekly, PreDiVine predictions were in the large majority of the cases within the tolerance period of 5 days: the best results have been obtained for those sites (e.g., Vosne Romanée) where the sampling protocol was executed twice a week, thus providing a more accurate user feedback.

We observed a continuous increase in the accuracy of PreDiVine predictions with minor exceptions in some sites between 2015 and 2016.

Finally, PreDiVine proved to be a robust DSS providing accurate results already starting from a zero-knowledge condition of the site and, at the same time, being flexible by re-using the data collected every year to self-improve the system calibration for future real-time predictions.

## Evaluation

### Criteria:

#### Vineyard/location evaluation:

- distance from the station
- historical *S.t.* observation

#### Weather stations evaluation:

- historical data
- quality of data

#### Feedback reported by the users/scouts

- sampling protocol frequency
- observation date

