VITIRAMA: A program to characterize disease susceptibility in French ampelographic collections

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The program (2018-2020) deals with the tolerance to major diseases directly impacting grape production on a large panel of *Vitis vinifera* and hybrids varieties. Our aim is to better characterize the genetic resources in the Grapevine Resources Center of Vassal-Montpellier and the main French ampelographic collections for their exploitation in the short and medium term, either as alternative varieties or as genitors.

**Objectives**

- Organise already existing data and field phenotype diversified genetic resources
- Make available a synthetic knowledge to viticulturists and nurseries, breeders and the scientific community

**Expected outcomes**

- Document and advise growers about variety potential
- Help breeders design their mating schemes taking into account original germplasm less susceptible to several pathogens
- Establish study panels for fundamental research on the genetic determinisms related to main disease resistance traits

<table>
<thead>
<tr>
<th>Genetic pool</th>
<th>Samples</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultivated <em>V. vinifera</em></td>
<td>French catalogue ; 279 diversity panel *; others</td>
<td>815 cultivars</td>
</tr>
<tr>
<td>Interspecific hybrids</td>
<td>French catalogue ; new breeding ; others</td>
<td>229 cultivars</td>
</tr>
<tr>
<td>Wild <em>V. vinifera</em> and other <em>Vitis</em> sp.</td>
<td>Representative diversity</td>
<td>202 accessions</td>
</tr>
</tbody>
</table>

* Nicolas et al. (2016)