

# A tool for designing sustainable production systems - the case of the peach/brown food pair

## Modeling of Peach-Monilia ideotypes

### PERSPECTIVES

In the present version of the model, the genetic parameters are linear combinations of genetic coefficients (QTL effects). In the future, alleles at loci of interests may be directly taken into account. In addition, different climate scenarios (more locations, long reference series, predictions) should be further tested in order to evaluate the impact of global change on the ideotypes proposed by our algorithms.

These prospects will already be engaged within two ongoing projects: FruitBreedomics (Large Collaborative Project EU FP7 KBBE-2010-4 \_ 2011-2015) and CAQ40 (INRA ACCAF metaprogram 2012-2015).

**Responsable :**

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