

Perform a modeling method

The overall objective of performing a modeling method is to explain and predict a biological complex phenomenon.

- **Statistical models in agrosciences** Total 9,5HCM, 10,5HTD Florent Bonneau

- ✓ Mobilize knowledge to carry out exploratory and descriptive statistical analyses and modeling methods adapted to an experimental dataset and a concrete scientific problem in Agrosciences.
- ✓ Advances in digital technology in data processing are leading to changes in the mathematical tools available today, which must be part of the basic background of a student intending to do research

- **Ecophysiological modeling in genetic control** Total 10HCM Gilles Vercambre, Emilie Millet, Samuel Buis

- ✓ Plant-Fruit ecophysiological modeling: objectives, development, calibration, use. (3HCM) Gilles Vercambre
- ✓ Integration of genetic control in process-based plant models: objectives, progress and perspectives (3HCM/TD/TP) Emilie Millet
- ✓ Introduction to model Uncertainty and Sensitivity Analysis (4HCM) Samuel Buis