

Metamodeling as a tool to facilitate virtual ideotyping

Meije Gawinowski¹, Laurène Perthame¹, Frédéric Rees¹, Céline Richard-Molard¹, Christophe Pradal^{2,3}, Pierre Barbillon⁴ & Alexandra Jullien¹

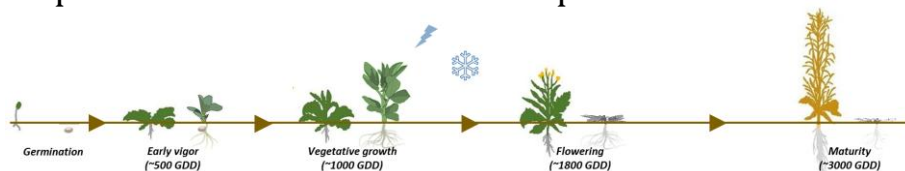
¹ Université Paris-Saclay, INRAE, AgroParisTech, UMR Ecosys, Palaiseau 91120, France

² CIRAD, UMR AGAP Institut, 34398 Montpellier, France

³ INRIA & LIRMM, Univ Montpellier, CNRS, M4090 Montpellier, France

⁴ Université Paris-Saclay, INRAE, AgroParisTech, UMR MIA-Paris Saclay, 91120 Palaiseau, France

What optimal trait combinations for rapeseed x faba bean intercrops ?



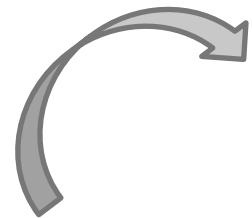
- Perform sensitivity analysis
- Interest for crop models
- Bridge crop models - FSPMs

Experiments

SIMBAL FSPM → virtual ideotyping



Computation time !



Use of metamodels to approximate FSPMs

