



# Evaluation of recent ORCHIDEE versions

## AIMS

- Focused on what works well and what does not in the « present » trunk (using several pre-CMIP6 simulations)
- Update on some evaluation tools

## SPEAKERS

- F. Cheruy: Revisiting the evaluation of Orchidee coupled to LMDZ during the CMIP6 preparation"
- H. Mizuochi: Validation and evaluation of the ORCHIDEE hydrological component using various data sources
- P. Peylin: Few diagnostic of the carbon budget of the CMIP6 ORCHIDEE version
- J. Servonat: The CliMAF ESM Evaluation Platform for ORCHIDEE: current status



## BRIEF OVERVIEW OF THE EVALUATED SIMULATIONS

With two major milestones:

ORCHIDEE rev	Main options	IPSL-CM6 tag	In which talk?
<b>4438</b>	New snow, new albedo, soil freezing, Zobler soil map, rsoil, 13-PFT map	CM6.0.10	H. Mizuochi's J. Servonnat's
<p><i>Various tests on hydrology and vegetation parameters (VG parameters, routing time constants; albedo, vcmax, gs, laimax, growth, respiration,...)</i></p>			
<b>4783</b>	No rsoil 15-PFT map (v1) with updated vegetation params	CM6.0.14	F. Cheruy's P. Peylin's J. Servonnat's

More details on <https://forge.ipsl.jussieu.fr/orchidee/wiki/ReferenceSimulations>