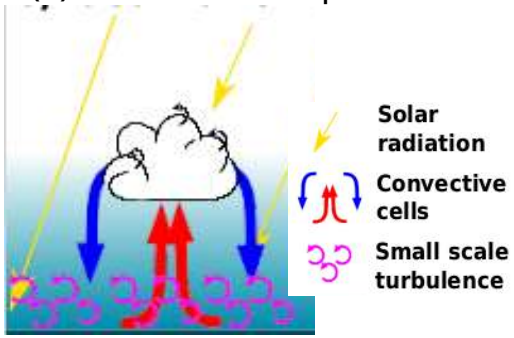
1. Modélisation physique

(a) Modèles conceptuels



(b) Modèles mathématiques

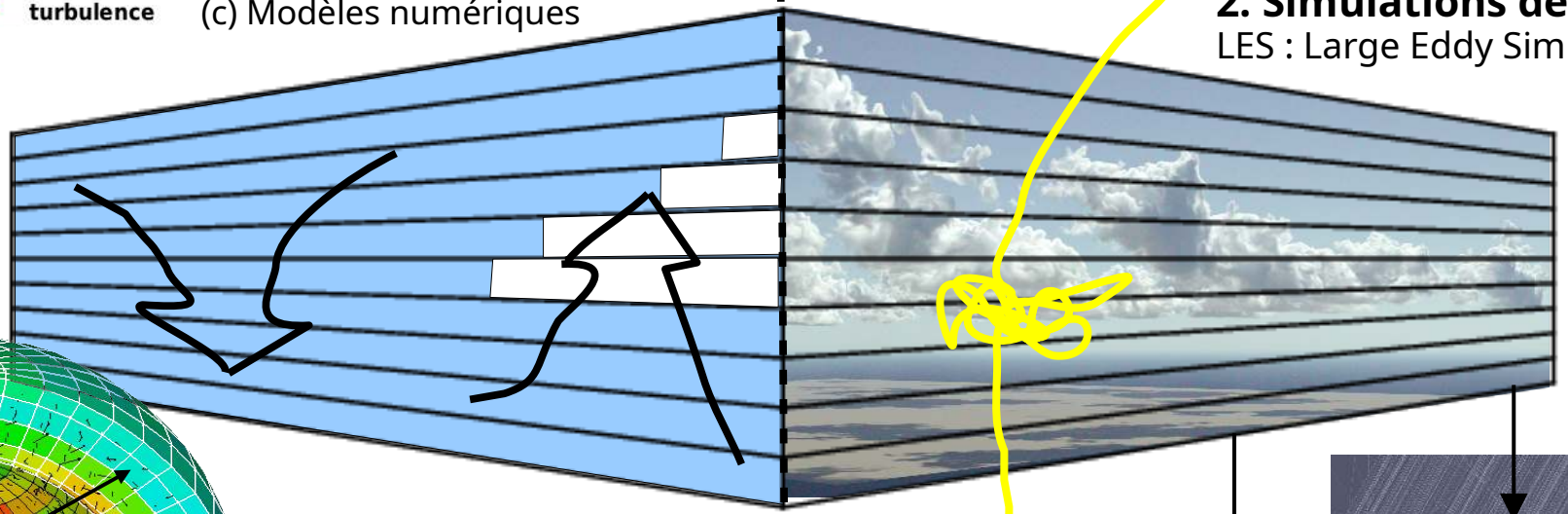
$$\overline{\rho w'\psi'} = f(\psi_{th} - \psi) - K_z \frac{\partial \psi}{\partial}$$

$$\frac{dI^+}{d\tau} = \gamma_1 I^+ - \gamma_2 I^- - \pi F \omega_0 \gamma_3 e^{-\tau/\mu_0}$$

(c) Modèles numériques

Observations

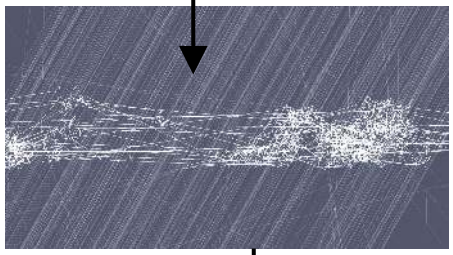
Evaluation



2. Simulations détaillées

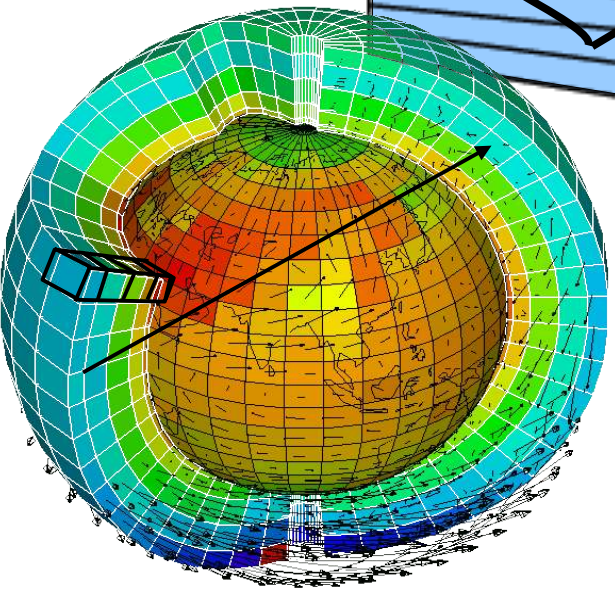
LES : Large Eddy Simulation

Evaluation

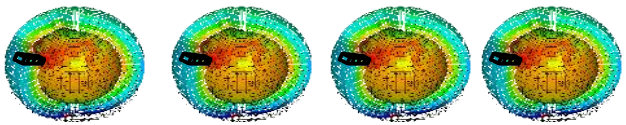


Références

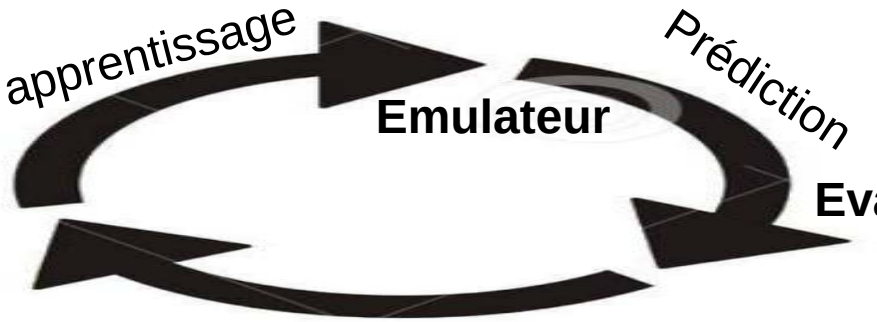
Flux solaire en surface sous des cumulus (W/m2)



Ensemble de simulations



3. Evaluation et calibration des modèles



Réduction de l'espace des paramètres