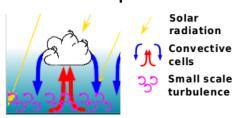


Réduction de l'espace des paramètres



### Modèles conceptuels



### Modèles mathématiques

$$\frac{dI^{+}}{d\tau} = \gamma_{1}I^{+} - \gamma_{2}I^{-} - \pi F \omega_{0}\gamma_{3}e^{-\tau/\mu_{0}}$$
$$\frac{\partial \psi}{\rho w'\psi'} = f(\psi_{th} - \psi) - K_{z}\frac{\partial \psi}{\partial z}$$

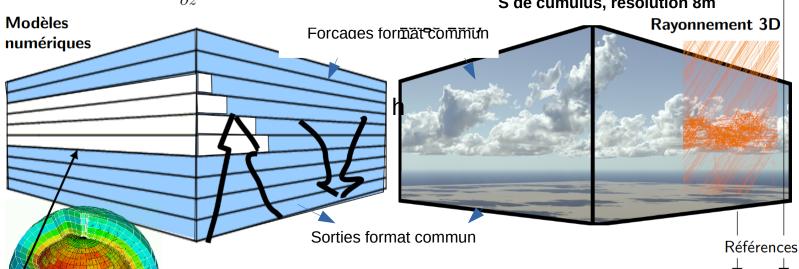


## **Observations**

**Evaluation** 

# 2. Simulations détaillées s'de cumulus, resolution am<sup>2</sup>S

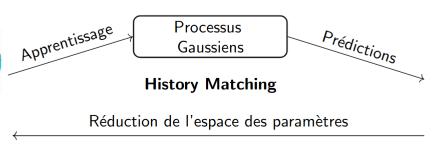
Analyse



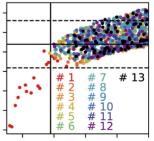
Inspiration

Cas d'études

# 3. Evaluation et Calibration



Flux solaire en surface sous des cumulus (W/m<sup>2</sup>)



Taux de recouvrement