

Evaluation des modèles de climat

Dispersion entre modèles

Source : IPCC 2007

Valeur du paramètre de rétroaction

WV : Vapeur d'eau

C : Nuages

A : Albédo

LR : gradient vertical de température

ALL : Toutes les rétroactions

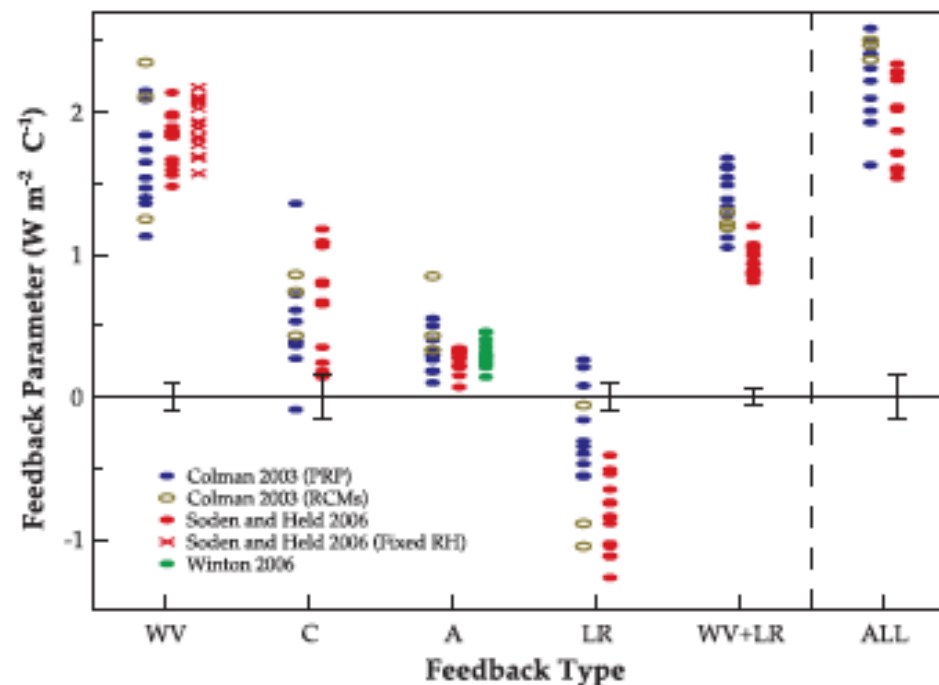


Figure 8.14. Comparison of GCM climate feedback parameters for water vapour (WV), cloud (C), surface albedo (A), lapse rate (LR) and the combined water vapour plus lapse rate (WV + LR) in units of $W m^{-2} °C^{-1}$. 'ALL' represents the sum of all feedbacks. Results are taken from Colman (2003a; blue, black), Soden and Held (2006; red) and Winton (2006a; green). Closed blue and open black symbols from Colman (2003a) represent calculations determined using the partial radiative perturbation (PRP) and the radiative-convective method (RCM) approaches respectively. Crosses represent the water vapour feedback computed for each model from Soden and Held (2006) assuming no change in relative humidity. Vertical bars depict the estimated uncertainty in the calculation of the feedbacks from Soden and Held (2006).