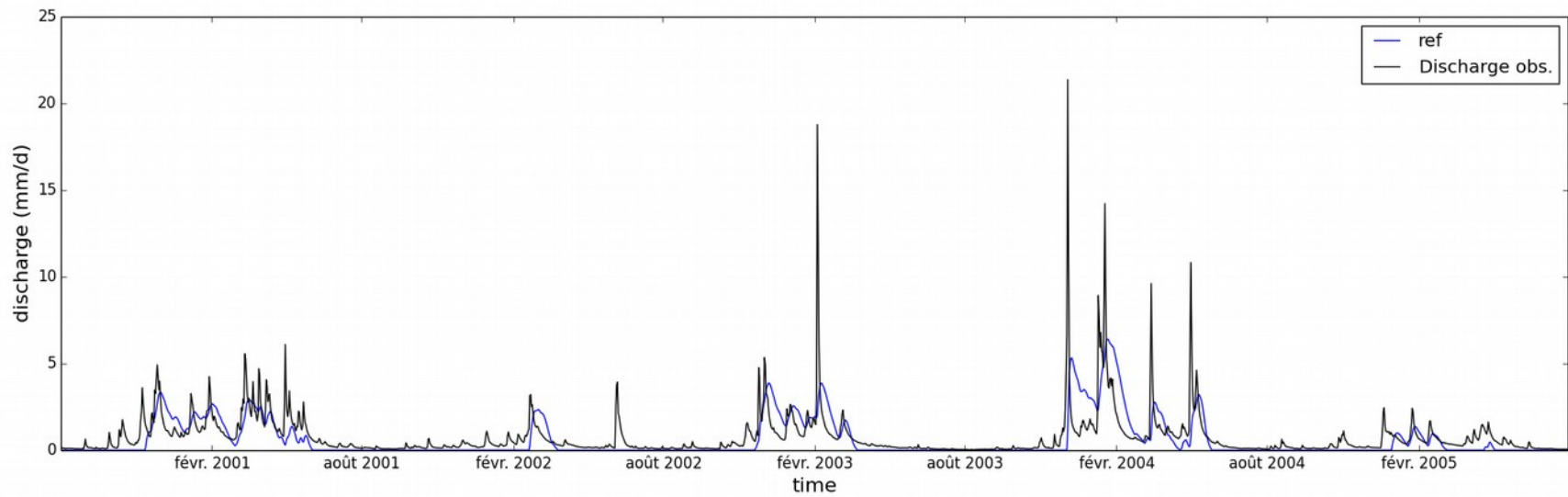
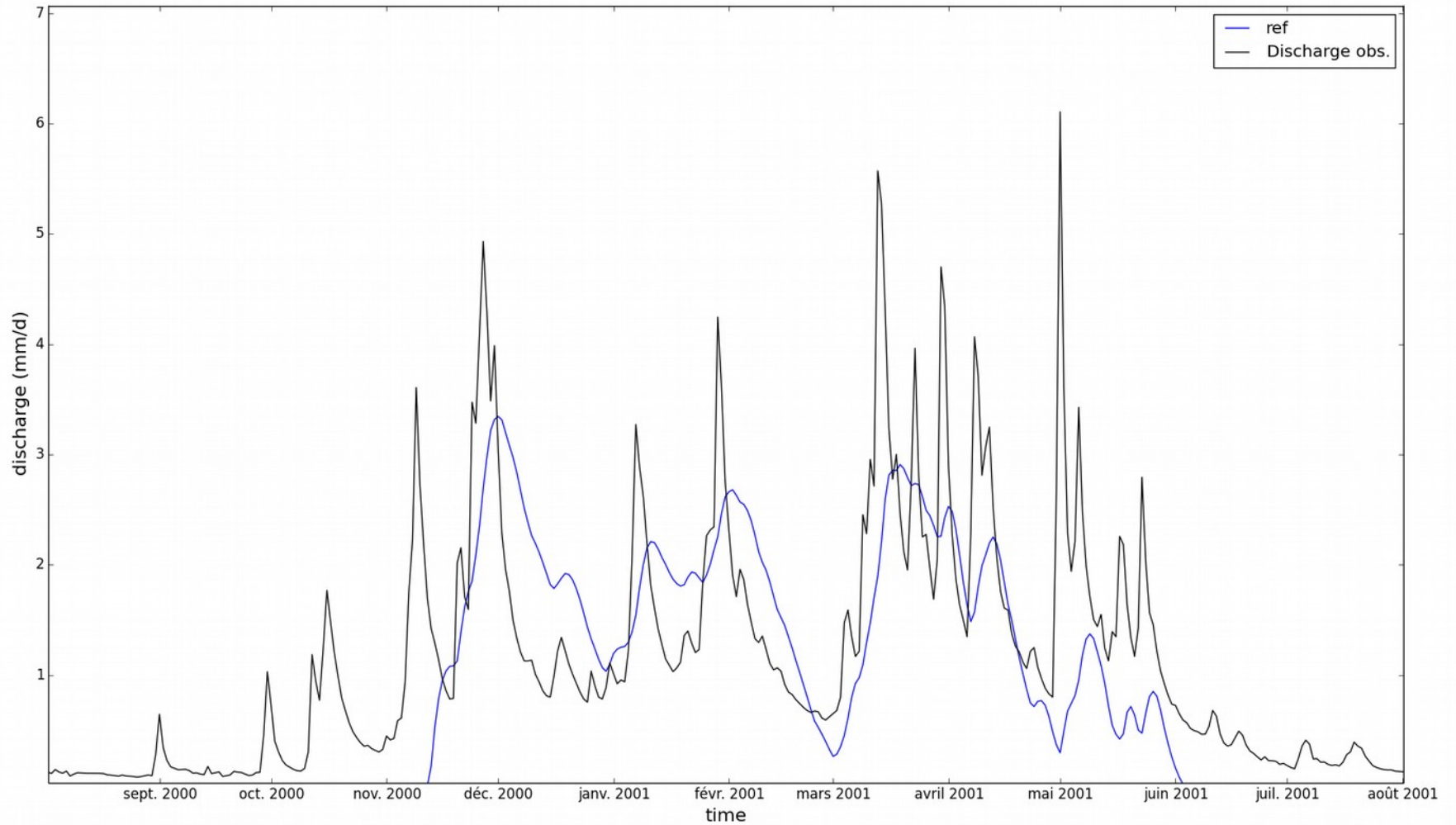


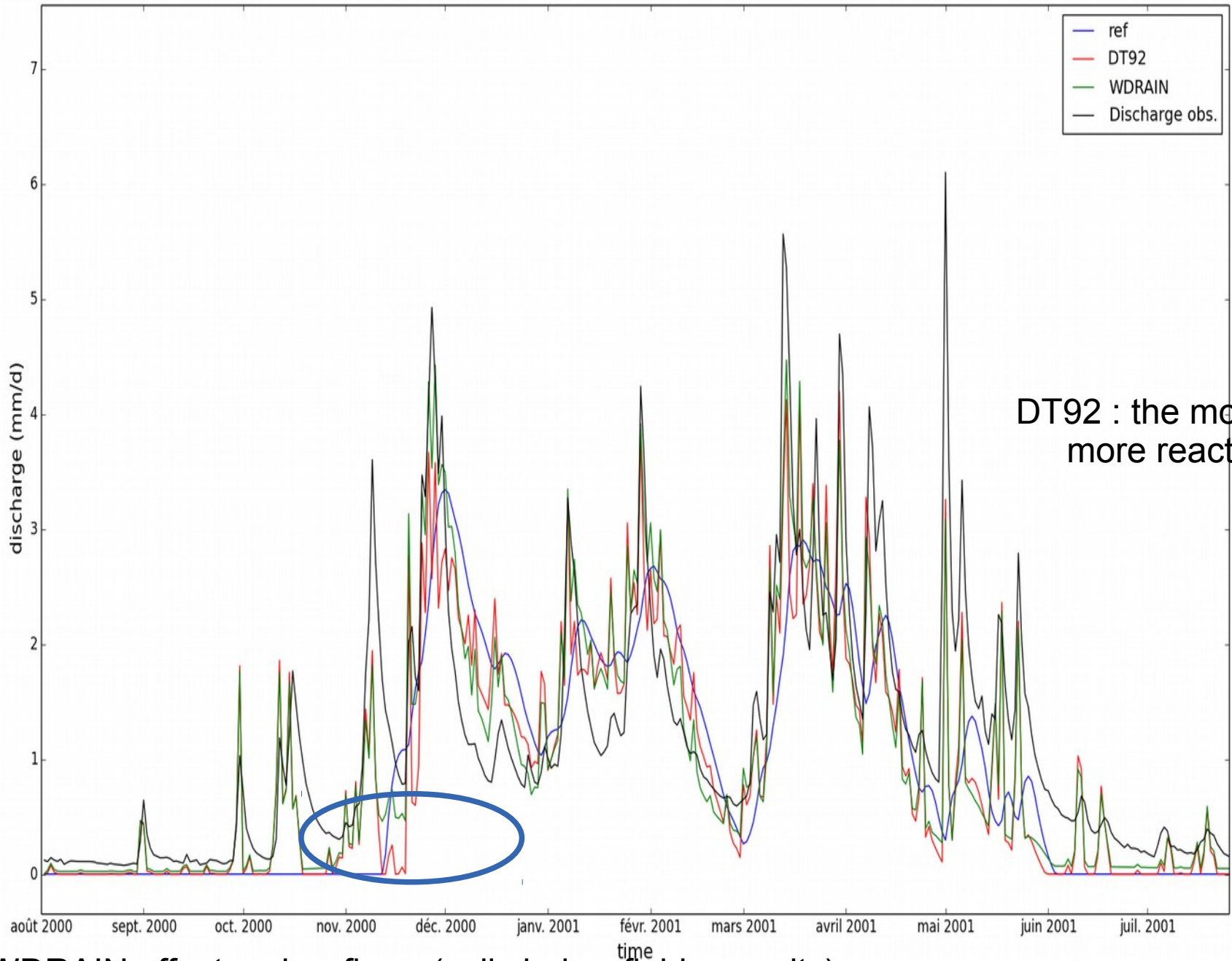
ISBA_hydro

ISBA ref (no subgrid hydrology)

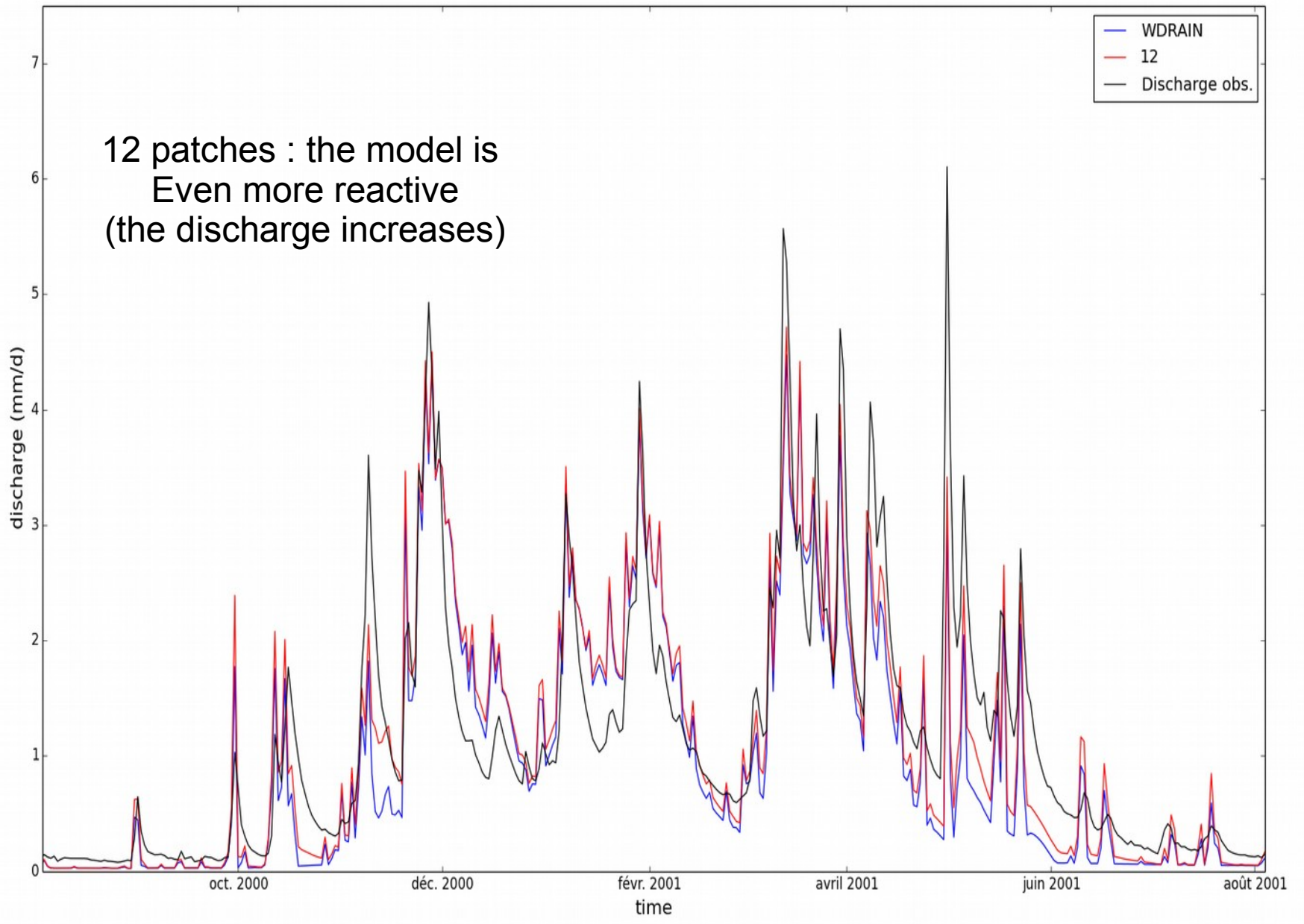


REF : No SGH

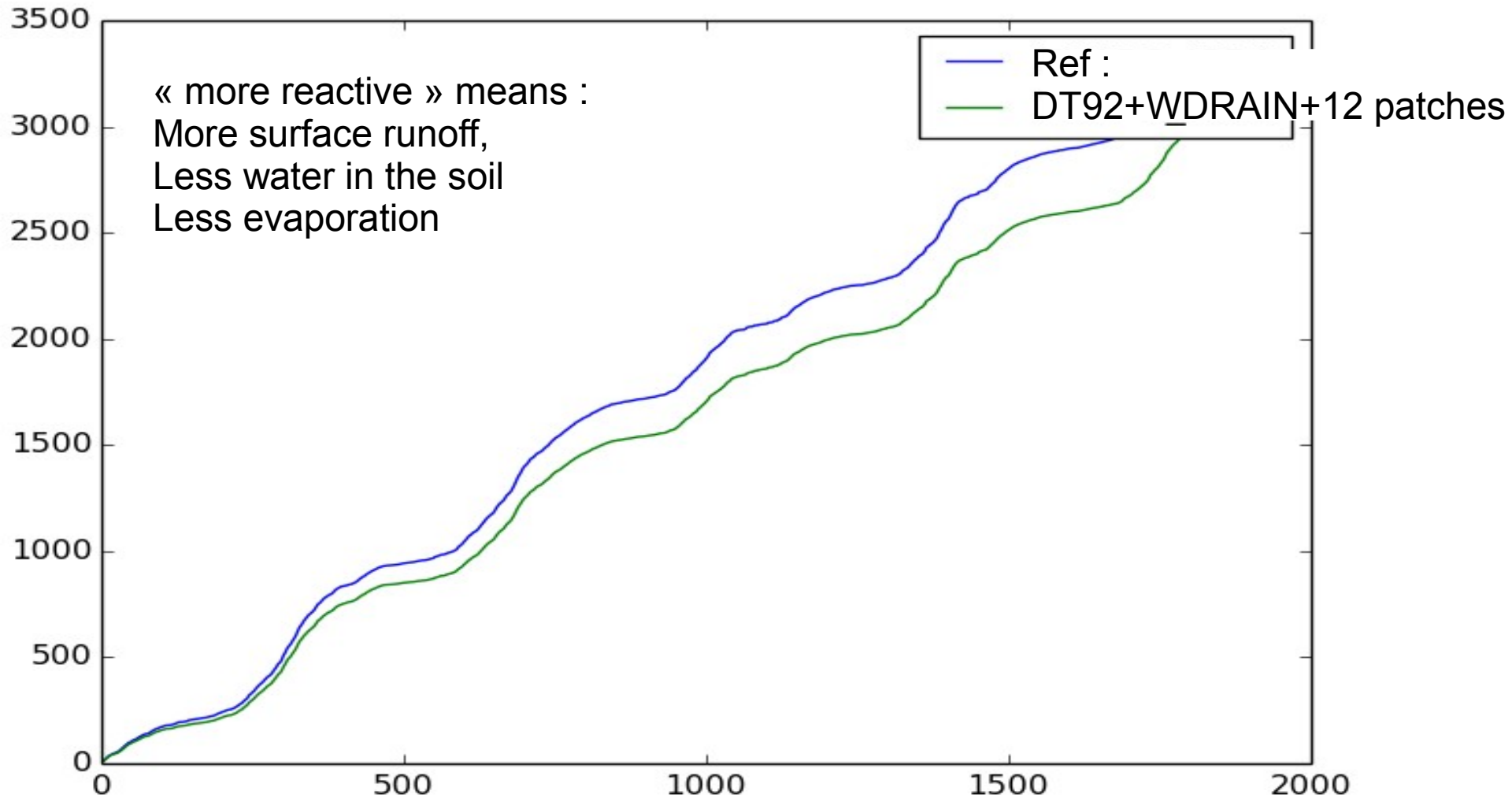


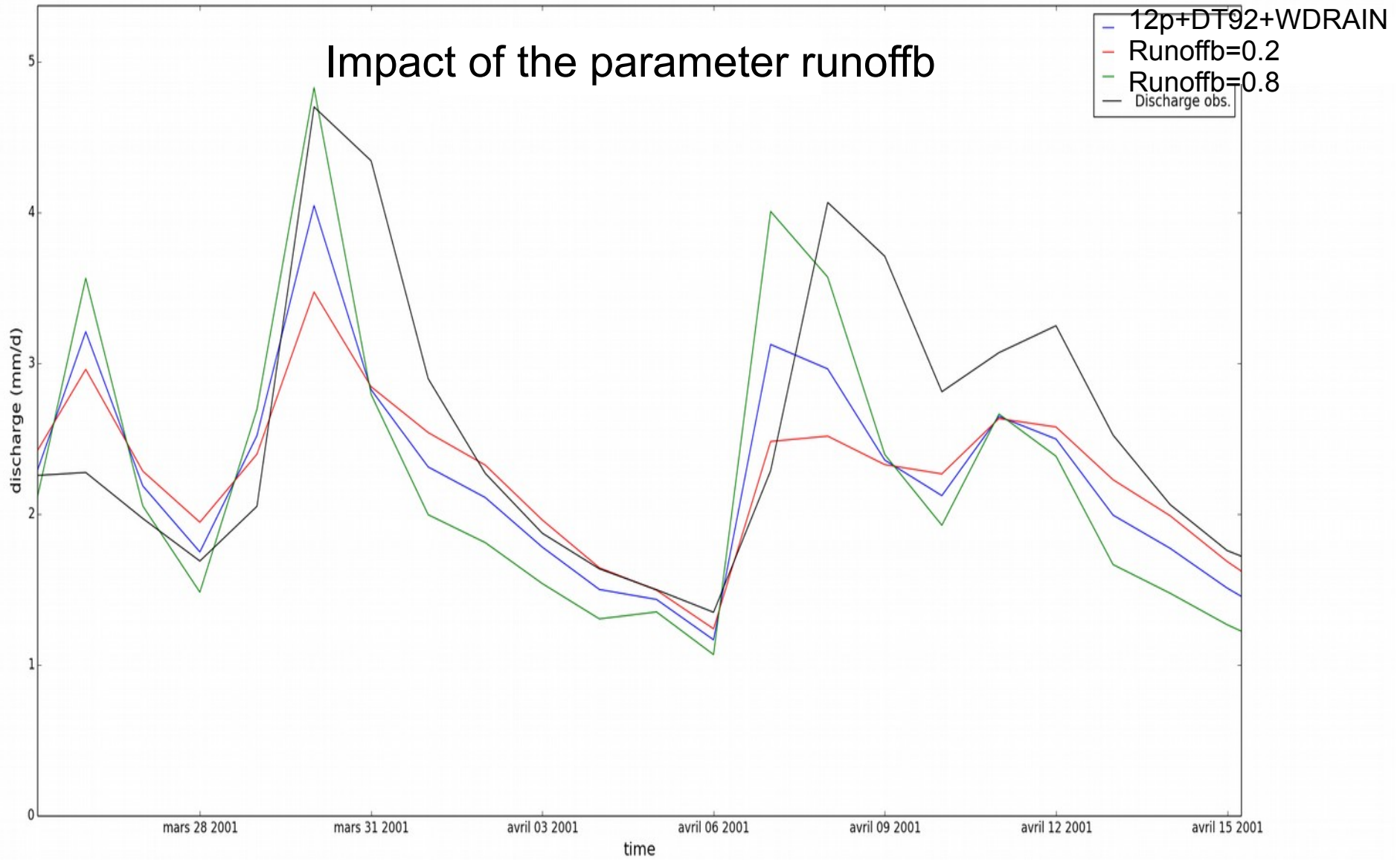


WDRAIN effect on low flows (soils below field capacity)



Impact on evaporation





Runoff « standard » and subgrid (VIC)

Standard : runoff if $W > W_{sat}$

Subgrid : (VIC, Duemesnil et Todini, 1992) : a part of the grid is saturated infiltration is not possible on this part

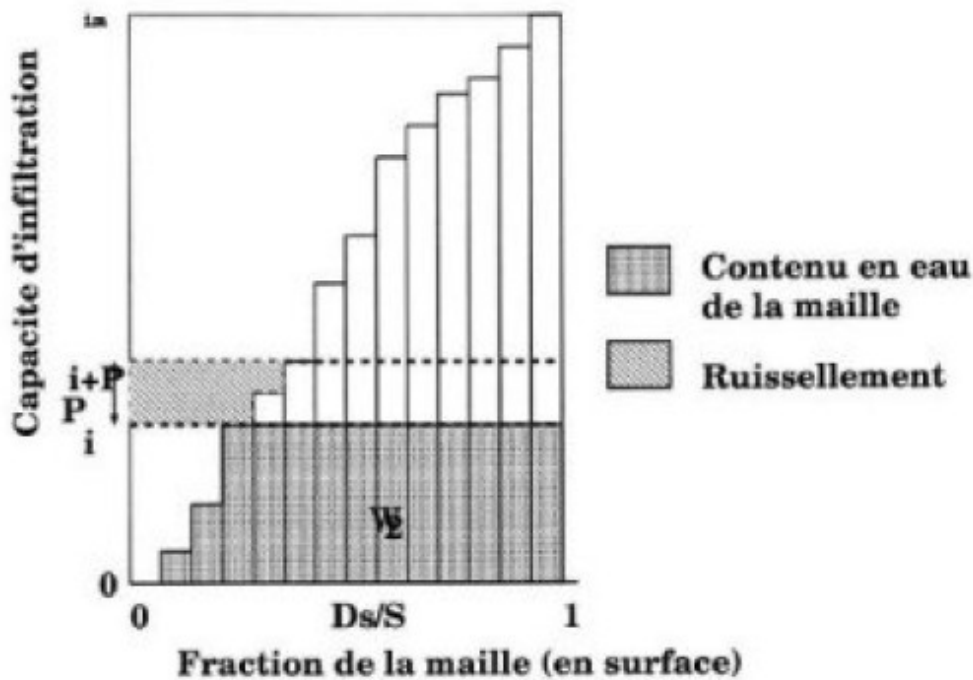


FIGURE 2.4 – Principe du schéma de ruissellement sous-maille

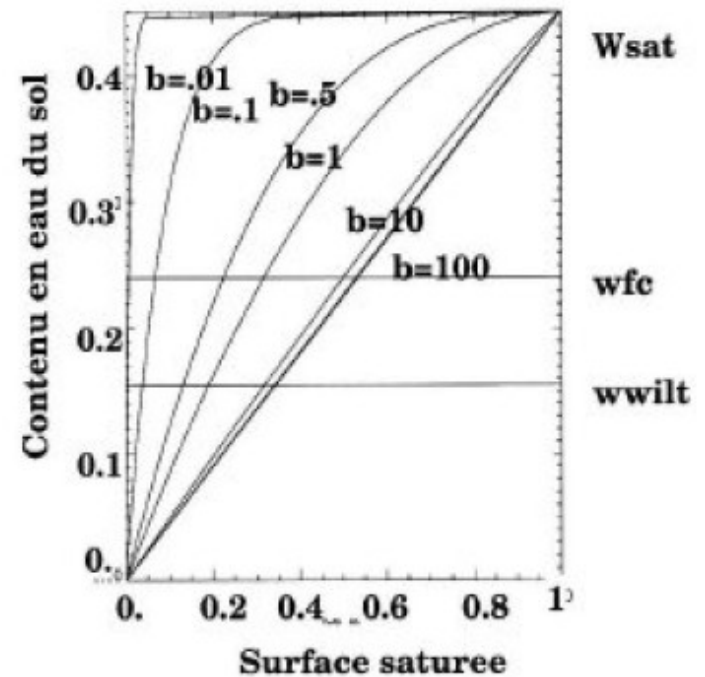


FIGURE 2.5 – Variation de la fraction de la maille saturée en fonction du contenu en eau et du paramètre de courbure b