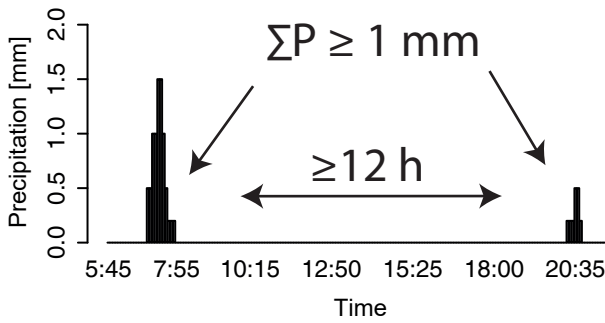


Rainfall event definition



32025 events classified
 -1392 events (threshold)
 -426 event ($T < 0^{\circ}\text{C}$)

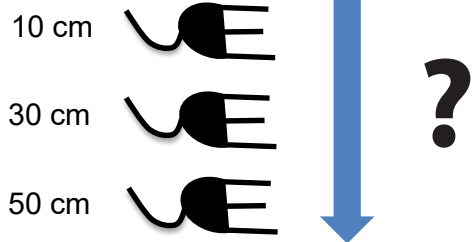
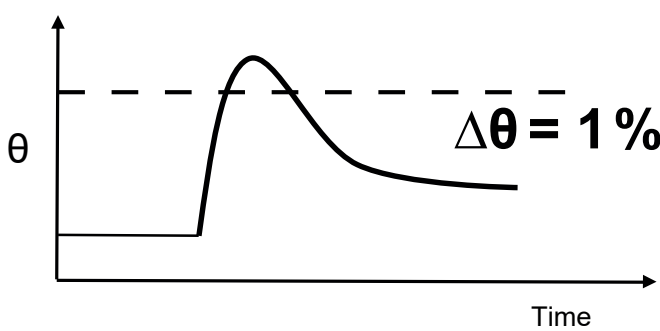
30207 P events

Soil moisture criteria

-14562 events (24 h buffer time without rain)
 -226 events (consistency criterion)
 -7169 events (completeness criterion, 99 % data)

8250 infiltration events

Infiltration event classification



NC

$\Delta\theta < 1\%$
 or
 10 cm only

SR

Comparison with
 matrix flow

→ **Fast PF**

NSR

Non-uniform flow

Analysis:

Spatial: grouping profiles to landscape units

Temporal: θ and P