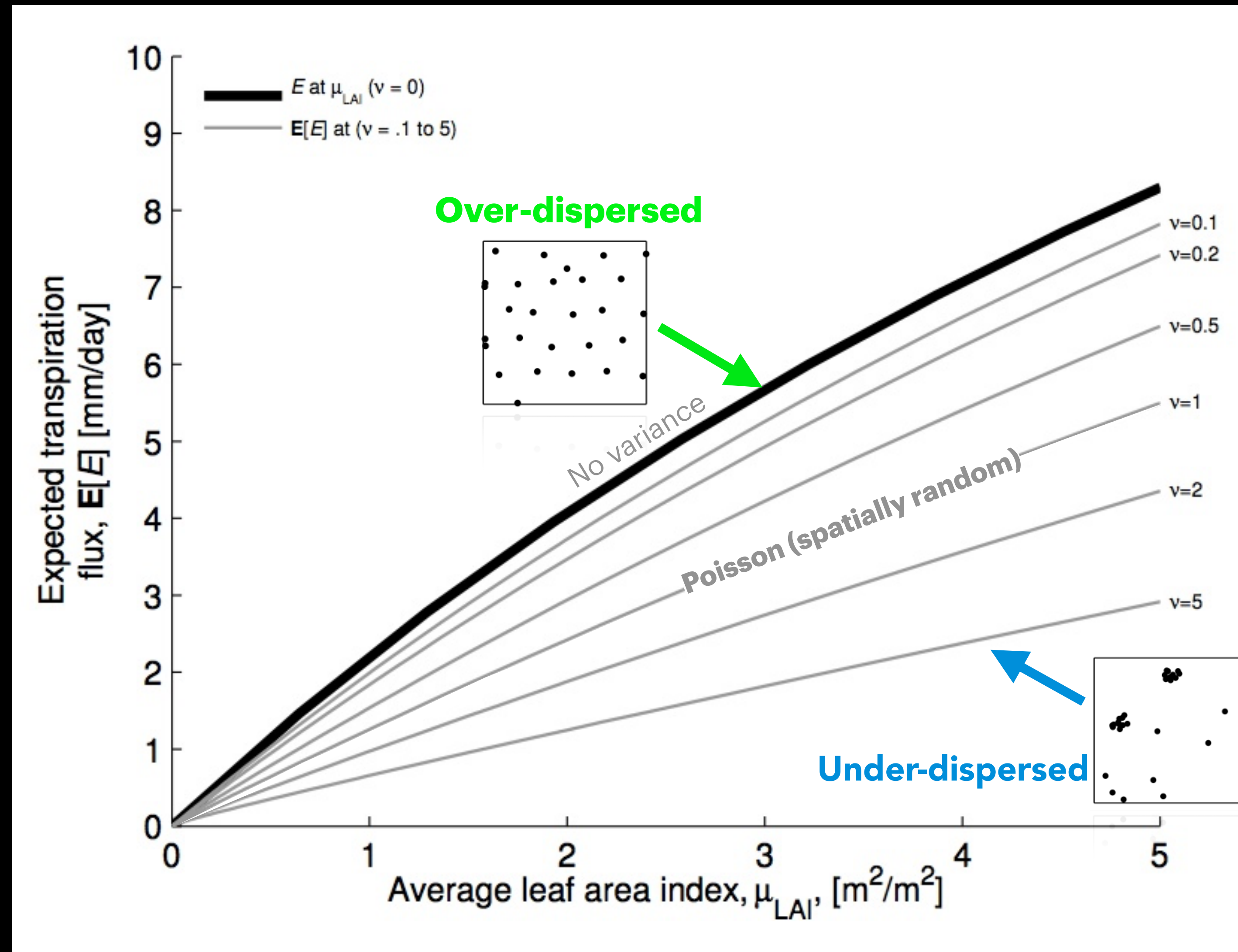


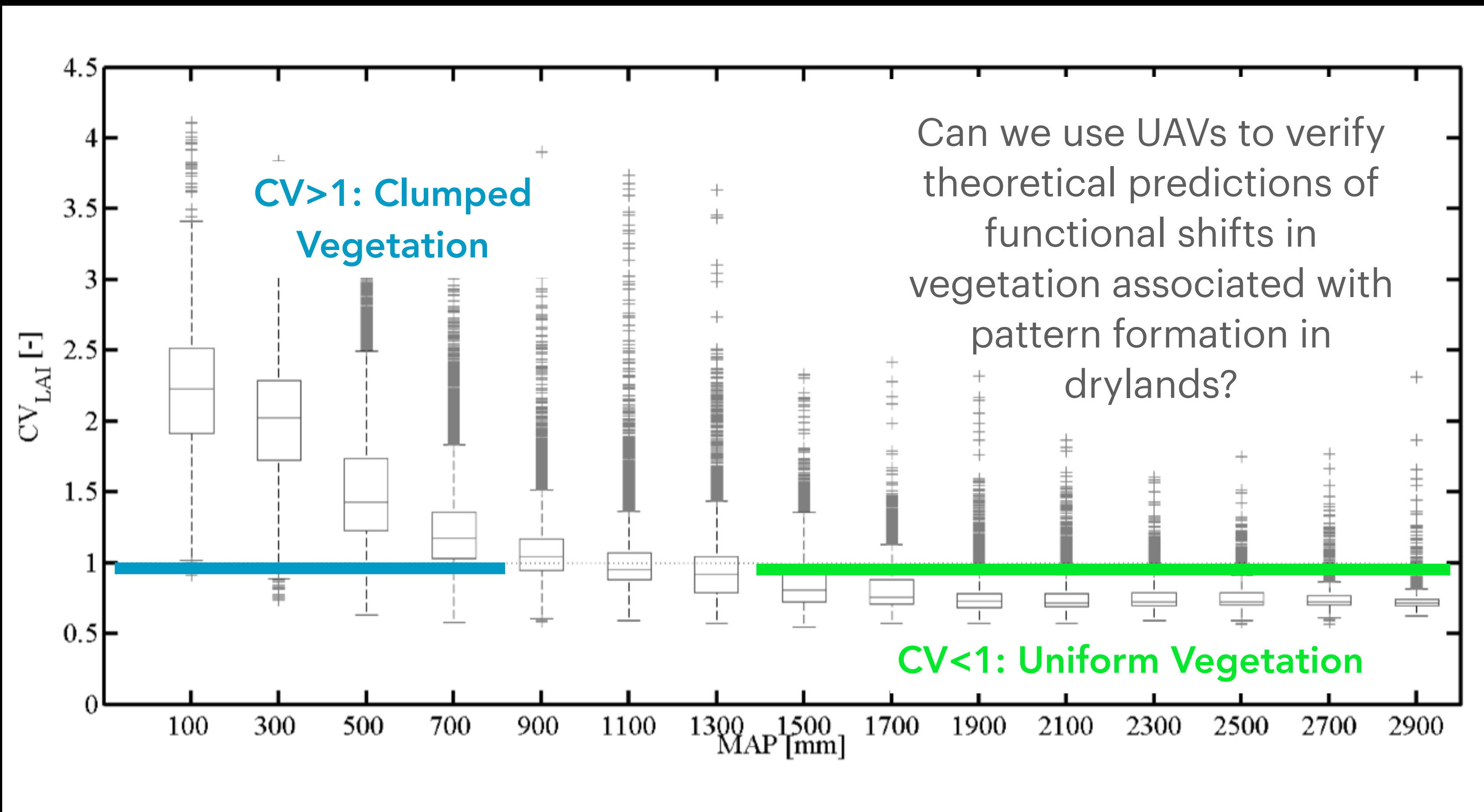
# Theory suggests that aggregation strongly reduces average landscape water use

For a given LAI, clumped vegetation has a lower expected average water consumption



# Transitions between over-dispersed and under-dispersed vegetation pattern correspond to shifts in ecohydrological optimality

## Global patterns of LAI coefficient of variance



% Difference in stress-weighted transpiration relative to random pattern

