



Patterns of soil moisture and vegetation in constructed wetlands

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Early results from a new simple model for the study of eco-hydrological patterns in constructed wetland are presented. The model may simulate the case that a dominant plant tends to colonize neighbouring zones to the detriment of the other species, or that synergies between different species allow their survival under water or oxygen stress.

Tasks such as of zonation and controlling invasive plants spreading by regulating water table depth and inundation timing are discussed on the base of the outcome of few numerical modelling exercises.