## WATER CYCLE OF A SEASONALLY DRY TROPICAL FOREST (SOUTHERN VIETNAM)

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**Abstract.** How does the activity of the ecosystem of monsoon tropical forest decrease during the dry season of more than 4 months? To answer this question, the dynamics of evapotranspiration is analyzed in the national park of Cat Tien (Southern Vietnam) using continuous eddy covariance and meteorological dataset for 2012–2013. A comparison of evapotranspiration is performed between Cat Tien and 21 sites in different tropical forests over the world. It is shown that the abundance of resources of heat and moisture in the annual cycle, as well as the storage of water in the rainy season allows monsoon ecosystem to implement the proactive vegetation during the dry season and let it be similar to the rain tropical forests in specificity of ecosystem energy and water fluxes.

Keywords: evapotranspiration, eddy covariance, seasonally dry tropical forest, Cat Tien national park.