

*Regimes ecodinâmicos e Intensidade Bioclimática Real no alto curso do Rio Paraíba – PB, Brasil*

**Ecodynamics regimens and real bioclimatic intensity in the upper Paraíba river – PB, Brazil**

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This work had the objective of identifying the areas where the ecodynamics regimens occur and comparing to the occurrence of aridity indexes, as well as spatializing the Real Bioclimatic Intensity (RBI) generated from 79-year time series data and monthly data for the period 2003-2012. Therefore, it has been used a geo-botanical method which takes into account the combination of textural data from superficial formations, from the Hydric Balance and from the Bioclimatic Balance, as proposed by Câmara Artigas (1997; 2005). The results showed that the area where the Xerophytic Ecodynamics Regimen occurs is different from the area which has a more severe Aridity Index, lower than 0.2, and also that low values of RBI, generated from time series, are significantly different from the results obtained with monthly data for the period 2003-2012, thus showing that it may be happen a recent change in the behavior of this variable.

**Key words:** Degradation; Caatinga (Brazilian dry forest); Hydrographical Basin; Ecodynamics Regimens; Real Bioclimatic Intensity.