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Tema

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Tema / Subtema

Buscador

 Titulo: **Monitored Deforestation on Public and Non-public Forests in the Brazilian Amazon**

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 Tema: **1 Bosques y biodiversidad**

 Subtema: **1.2 Deforestación y fragmentación de bosques**

Resumen: Since 1988, the Brazilian National Institute for Space Research (INPE) has produced annual estimates to monitor the evolution of the extent and rate of gross deforestation in the Brazilian Amazon. In 2002, INPE developed a new classification method - called PRODES Digital - that replaced the manual interpretation assessment routines used until then. Based on unsupervised classification routines, the new PRODES method digitally analyses WRS-TM/LANDSAT images (bands 3, 4, and 5) of the Brazilian Amazon, re-sampled to a pixel size of 60 m by 60 m. The re-sampling produces image sizes of 3326 pixels by 3072 lines and reduces significantly computer processing time. The total forested area in the Brazilian Amazon is estimated by INPE in 4.02 million km², and the accumulated deforested area until 2008 amounts to approximately 0.70 million km² (17.5%). The annual deforestation estimates in the Brazilian Amazon for the last seven years, starting on Aug/2001, as assessed (in 1000 km²) by the PRODES Digital method, are 21.39, 25.25, 27.42, 18.85, 14.11, 11.53, 11.97. The pattern of evolution of these annual deforestation estimates on public forests and non-public forests is the focus of this paper. Public forests in the Brazilian Amazon are those managed by Brazilian federal agencies, including forests in Indian lands, in conservation units and those not assigned by the government to any public or private destination yet. The National Register for Public Forests, created and maintained by the Brazilian Forest Service, currently estimates in 1.98 million km² the total area with public federal forests in the Brazilian Amazon, a little less than half the total forested area in the region. Public land, that remains public, helps on reducing deforestation, as reflected by the accumulated deforestation in public forests (0.03 million km², or approximately 4,3% of total deforestation in the Amazon). Although significantly less deforested than forests not registered as public, the evolution of deforestation on public forests has not been sufficiently studied. To better understand this evolution, this paper describes the application of basic geo-statistical methods to determine the distribution and concentration patterns on both public and non-public forests.

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Trabajo Completo: -

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