

Francisco Lothar Lange Jr.

Instituto Ambiental do Paraná - IAP  
 Rua Desembargador Motta, 3384  
 80.430-200 Curitiba - Paraná - Brasil  
 Fax 55-041-2222850

The Atlantic Rainforest ecosystem (Mata Atlântica) is one of more the importants of planet in biodiversity. However, in the last century, the deforestation decreased to 20% its original area. Remnants areas are in the north coast of Paraná State (south region of Brazil), Guaraqueçaba region, which include the Paranaguá Bay, the third most important estuarine complex of world, in primary productivity. Many national and international research institutions show interest in this region in various science areas. Studies about environment, forests, soils, hydrography, fishing, fauna, public health, sociology, agriculture, had been realize.

But, this works don't have complete inter-relation between the different sciences. The objective of this work is to ransom the inter disciplinarity and integration of process and systems through the use of remote sensing techniques, to give to professionals of different areas, and introducing in each area the relations through satellite images. The results of these interactions show us the enormous potential of use of these data and, principally, its consequences on differents areas and professionals, showing the development of a interdisciplinary vision of the professionals and a new condition for the development of studies.

Were choised professionals of health, agriculture, education, environment, geography, sociology, they associate his especiality with the informations observad in images, integrating with knowledge areas, knowing the various internations of your discipline with another.

The results of the paper are importants in two aspects: the elaboration of a plan of sustainable development for the any region considering the various possibilities, and finalities demonstrating the importance of image use; how a element of interdisciplinarity, practised by group of professionals.