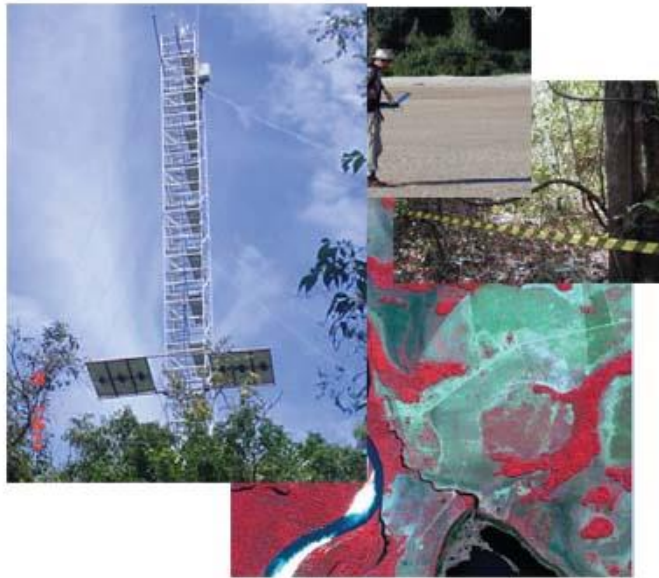


Resume Large Biosphere Atmosphere Project of Amazonia – Ecológica Institute



Sponsor: Brazilian Ministry of Science & Technology

Location: Brazil, South-west Tocantins – Bananal Island region – Canguçu Research Centre

Description of the project: The Large Biosphere Atmosphere Program of the Amazon (LBA) is based on international technical and scientific co-operation investigating the effect of ecological and biogeochemical processes in the Brazilian Amazon on the global climate. The emphasis of the research undertaken under the LBA Program – which involves more than 50 universities and research institutions in the USA, Europe and Brazil - is on carbon dynamics in regional ecosystems.

Ecológica's researches began in March 2001 with the demarcation of 30 experimental plots (15 in dry forest and 15 in flooded forest areas). The precise location of these plots - each measuring 50m x 50m – is mapped with GPS systems. Species inventories are compiled for each of the plots and measurements of parameters such as circumference and diameter at breast height (CBH and DBH), trunk height and total height will be taken and the data recorded in a database at the Canguçu Research Centre. An eddy correlation tower was installed in November 2003 to measure carbon dynamics in the area.

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