

FOMT 1.3: Urban Forestry in the Tropics

Contents:

Planning, administration and management of woody plants and trees in urban, peri-urban and roadside habitats of tropical regions. Inventory and planning methods, governance, budgeting and implementation of urban and peri-urban tree management at all levels, from village to mega-city. Emphasis is put on services and products like environmental, cultural, social and socio-hygienic effects; production and utilization of tree products such as fruits and seeds, leaves, branches, wood, stumps and other products, as well as biological characteristics of tree species for their use as roadside trees.

Management of urban forests, parks, gardens and individual trees, using tree care, methods of tree assessment, diagnosis of diseases, climbing plants and epiphytes), methods and equipment for determination of damage, reactions to wounds, crown-root interactions; wood increment , individual life history and valuation of the tree; genetics, safety aspects, legal obligations and pruning. Aspects of the science transfer, environmental education, local networks and governance.

Qualification goals:

The students are knowledgeable as to importance of trees and woody plants in urban and peri-urban landscapes, and as to problems of their integration at various levels. They are capable of planning urban tree management in tropical regions, to control it during the implementation phase and to evaluate it, thus being enabled to plan green spaces in tropical towns and to control their sustainable management.