

Tropentag, September 17-19, 2018, Ghent

"Global food security and food safety:
The role of universities"

Community Forest Management in Mexico

Oscar Alberto Aguirre Calderon¹, Javier Jimenez Perez², Eduardo Javier Treviño Garza³, Israel Yerena Yamallel⁴, Eduardo Alanis Rodriguez⁵, Gerardo Cuellar Rodriguez⁶

- ¹ Universidad Autónoma de Nuevo León, School of Forest Sciences, Mexico
- ² Universidad Autónoma de Nuevo León, Dept. of Silviculture, Mexico
- ³ Universidad Autónoma de Nuevo León, Dept. of Silviculture and Forest Management, Mexico
- ⁴ Universidad Autónoma de Nuevo León, Dept. of Silviculture, Mexico
- ⁵ Universidad Autónoma de Nuevo León, Dept. of Silviculture, Mexico
- ⁶ Universidad Autónoma de Nuevo León, Dept. of Forest Entomology, Mexico

Abstract

Mexican common property community forestry and community forest management have several unusual features which make it an important global model for emerging community forest regimes elsewhere in the world. In Mexico $80\,\%$ of forests are the common properties of thousands of communities, mexican forests are home to 12 million people. Most inhabitants of forested regions are residents of ejidos and comunidades, political agrarian units that hold forests and rangelands as common properties, ranging in size from 100 to $100,000\,\mathrm{ha}$.

Community forest management in Mexico is a form of co-management, where government regulators and local communities share resource management responsibilities; communities log their forests within a framework of logging permits based on management plans and the intervention of foresters, but they implement forestry within their own common property management systems and structures of community authority. In a common property situation, forest management for timber production provides the means and incentives for communities to develop and strengthen local enforcement capabilities; the participation of the people who inhabit forest regions helps generate effective enforcement structures and facilitates the evolution of adaptive management.

Community-based forestry has made impressive gains in Mexico, and offers hopeful examples of forest conservation and restoration that contrast with general patterns of deforestation. The Mexican case provides a model for the devolution of forest lands to local communities, and shows that community initiatives and policy support can result in common property regimes that can organise to deliver social, economic and ecological benefits.

The challenge of community forest management in Mexico is the stewardship and use of the forests and forest lands in a manner and with an intensity that they preserve their biological diversity, its productivity, its capacity for regeneration, its vitality and ability to achieve, in the present and in the future, the ecological, economic and social functions relevant to local and national level, promoting the fair use of forest resources.

Keywords: Common property, community forestry, Forest policy, Mexico