NOTE: Some graphics have been removed from this document to conserve space. For a full version please contact Ben Dappen (bdappen@forest-trends.org)

Administration and Management of Territory

Normalization of Land

Basis for the administration of natural resources

UNIDAD COORDINADORA DE PROYECTOS

The industrial revolution was not the start of modern economic development.

The establishment of an efficient economic organization was what permitted the rise of the western world by way of the establishment of property rights and mechanisms for their defense.

The economic success of the western world has been a consequence of the reorganization of property rights while the failure of other regions has been a consequence of inefficient economic organizations.

Douglass C. North (Nobel Prize 1993)

Robert E. Lucas and the effect of legal ownership on Income Per Capita (1750-1990) The Development of Nations

(In US Dollars in 1985)

	1750	1800	1850	1875	1900	1925	1950	1960	1970	1980	1990
Africa	455	455	455	466	489	525	636	763	961	1116	966
Estados Unidos	837	870	1519	2581	3943	6034	8772	9895	12963	15295	18054
México	826	858	922	1105	1373	1646	2198	2836	3987	6054	5827
Rest of Latin América	817	858	907	1041	1228	1409	1757	1983	2664	3853	3598
United Kingdom	805	840	1864	2663	3527	4362	5395	6823	8537	10167	13127
France	665	752	1207	1612	2152	3110	4045	5823	9200	11756	13904
Germany	652	738	1048	1488	2179	2974	3122	5843	8415	11005	13543
Japón	636	636	625	681	1025	1401	1430	2954	7307	10072	14331

<u>Source:</u> Lucas, Robert E., <u>Lectures on Economic Growth</u>, pages 178-179, décima segunda impresión, President and Fellows of Harvard College, 2002 (Premio Nobel de Economía 1995)

Conditions that facilitate access to land

STRONG AND ACVTIVE MARKETS

INFORMATION SYSTEM

CREDIT INCENTIVES

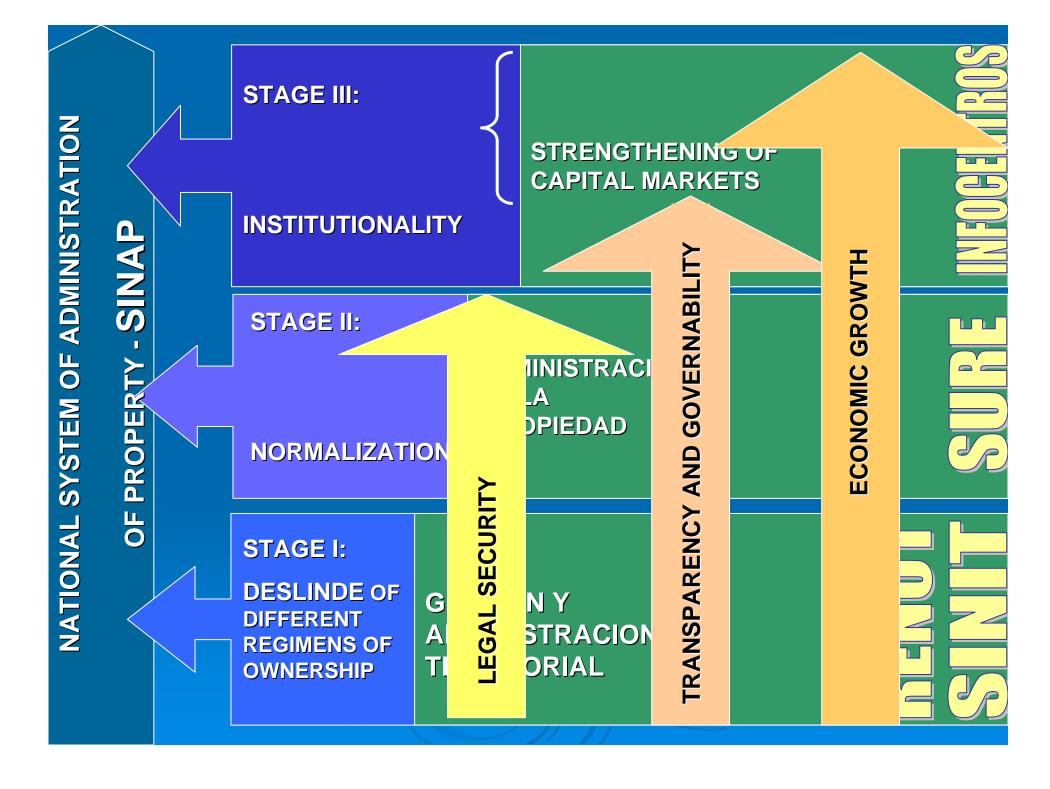
LEGAL SECURITY

REDUCTION OF COSTS AND TRANSITION TIMES

Legal Security

The use, access, rights and management define the principles and rules that govern the property rights of land tenure.

The massive registration of pieces of land is a decisive step towards the achievement legal security of property.



Reduction of costs and transaction times

- Efficiency of registration services, reduction of costs and transaction times democratize and accelerate accesibility to land.
- Speeding up of management by individuals and user institutions

Buying and Selling

Registration

Constitution of mortgage guarantees

Liquidation of actives

Credit incentives for the acquisition of land, housing and productive activities

- Mortgage Insurance
- Computerized System of Massive Valuations
- Extrajudicial Liquidation of Eventual Actives
- Securitization
- Productive Projects

Information System over immobile goods, their registrations and the norms and the taxes that affect them

- An information system that integrates in a single informational sphere about:
 - Rights
 - Optimization of norms for land usages
 - Territorial arrangement
 - Unified system of registering different forms of ownership
 - Markets

WEB SERVICES

SURE

Sistema Unificada de Registros

RENOT

Registro Normativas de Ordenamiento Territorial

SINIT

Sistema Nacional de Información Territorial

INFOMERC

Registros Mercantiles

S I N A P

SIEF

AFE-COHDEFOR

Sistema Indicadores y Estadísticas Forestales

SINIA

SERNA

Sistema Nacional Información Ambiental

INFOAGRC

SAG

Informática Agrícola

SINIMUN

SGJ

TIONS

Sistema Nacional Información Municipal

SNGR

SGJ-COPECO

Sistema Nacional Gestión Riesgos

INFOTUR

SECTUR

Información Turística Nacional

CERTIFIED PROFESSIONALS FORESTRY SECTOR

CERTIFIED PROFESSIONALS ENVIRONMENT SECTOR

CERTIFIED
PROFESSIONALS
URBAN
LICENSING

CERTIFIED PROFESSIONALS TERRITORIAL MANAGEMENT

PROFESSIONAL PROVIDERS OF SERVICES

PROPRIETORS

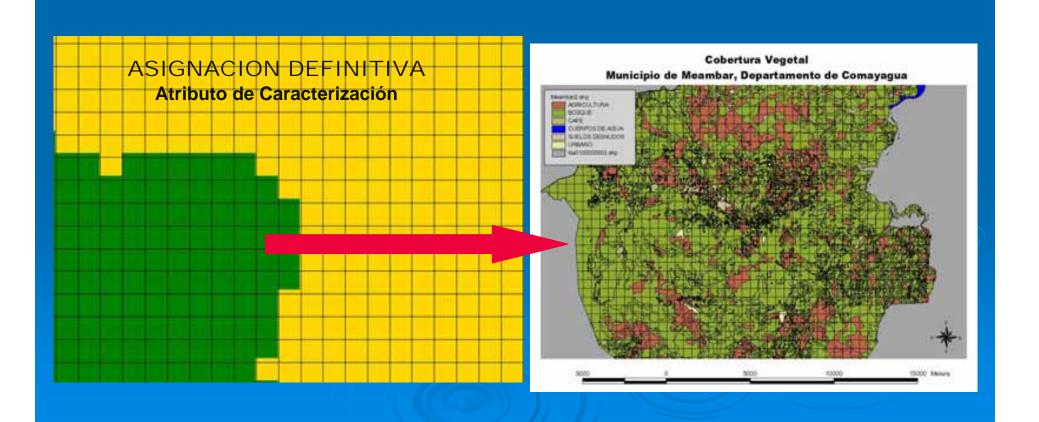
DEMANDERS OF INFORMATION, PROCEDURES AND SERVICES

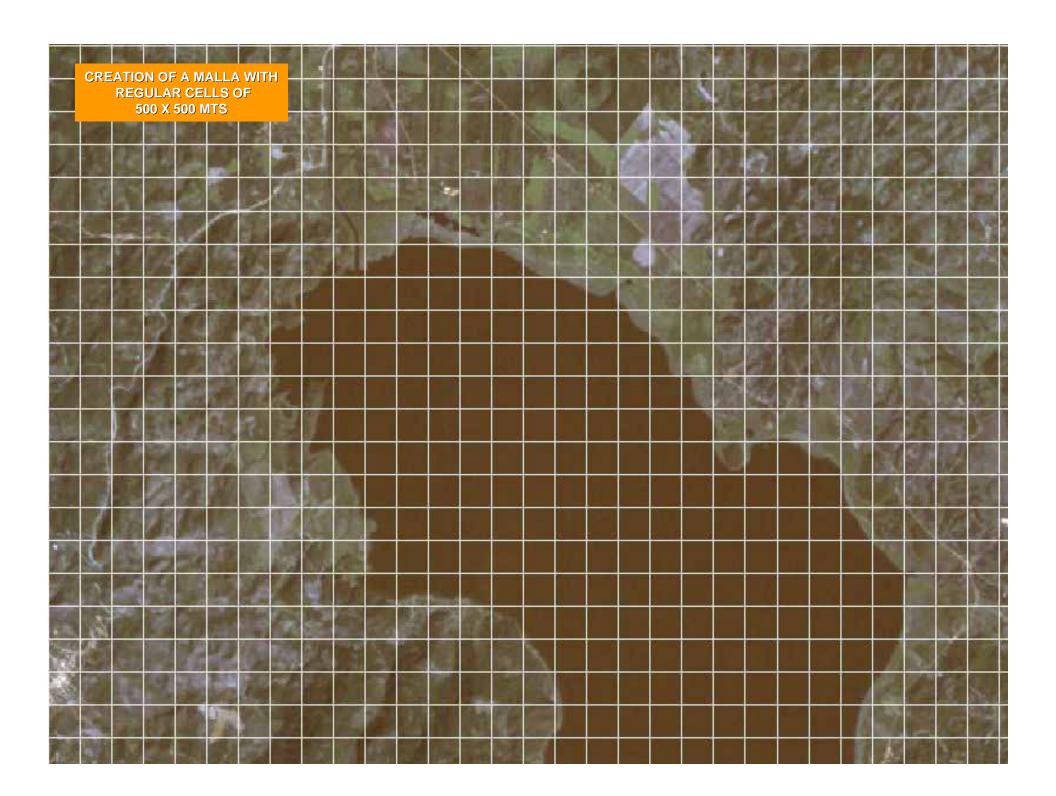
To help the forest be productive, the following activities are important:

DETERMINATION OF THE "FOREST"

CONCEPTUAL FRAMEWORK

The model pretende the characterization of the Forestry Resource in Honduras, through the application of a scheme of "Successive Approximations" splitting from a National Model of Scale 1:250 000, in which the basic cartography is sustained in the usage of satellite images Landsat 7 with an interpretation mechanism based in application of cells of 500x500 meters, to reach forest maps detailed rodalizados based on the interpretation of digital ortofotos with a resolution of 0.40 meters and an awaited scale of 1:5 000.

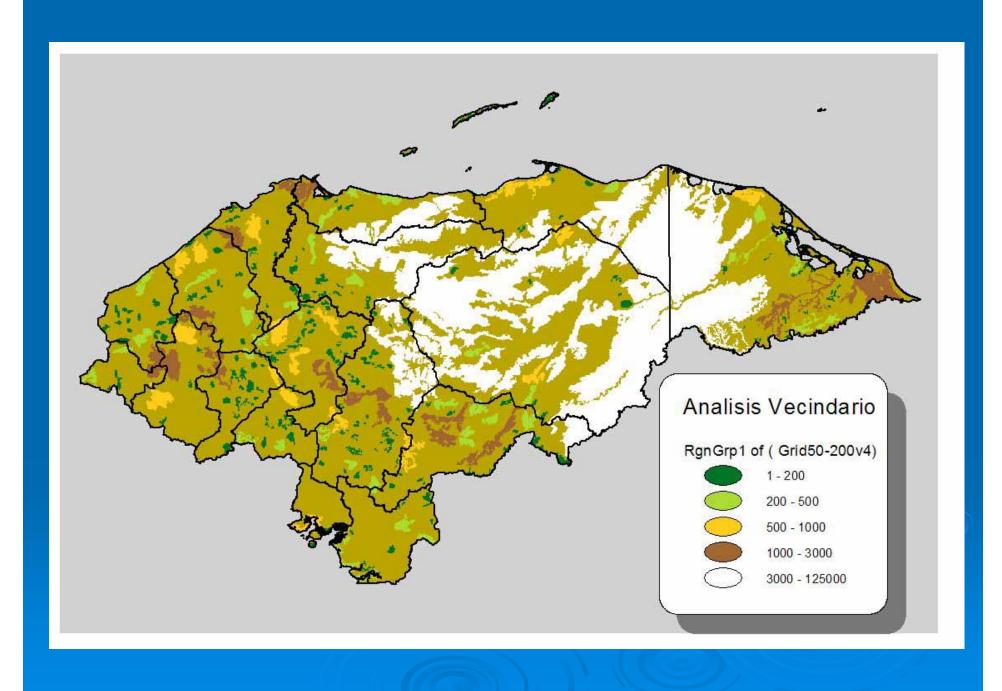


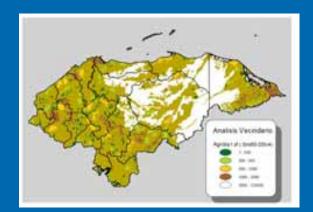




APPLICATION OF CONTINUITY CRITERIA

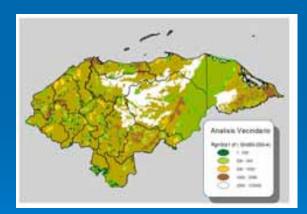
Area Analysis
Study of Protected Areas
Forest Areas and Hydrographic Basins





Total Area Analysis

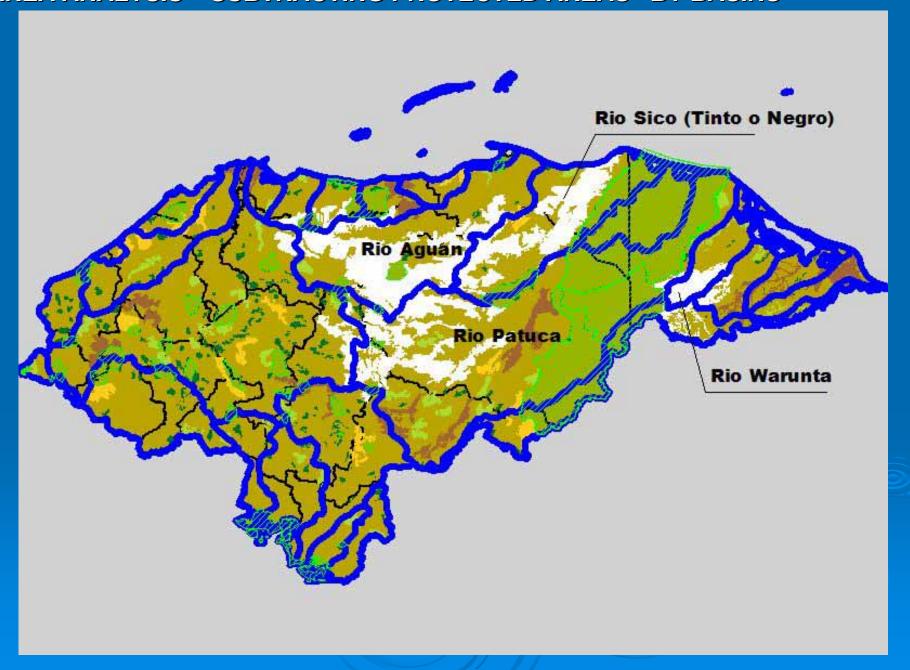
CEL	DAS	AREA	(Has)	No. Casos	Celdas	Area Total	Area Total	
Rango Inferior	Rango Superior	Rango Inferior	Rango Superior			Has	Km2	
1.00	200.00	25.00	5,000.00	280.00	12,959.00	323,975.00	3,239.75	
200.00	500.00	5,000.00	12,500.00	40.00	13,480.00	338,500,00	3,365.00	
500.00	1,000.00	12,500.00	25,000.00	17.00	11,873.00	291,825.00	2,918.25	
1,800.00	3,000.00	25,000.00	75,000.00	10.00	16,886.00	421,650.00	4,216.50	
3,000.00	125,000.00	75,000.00	3,125,000.00	1.00	115,625.00	2,890,625.00	28,906.25	
	9		1	348.00	170,583.00	4,284,575.00	42,645.75	



Area Analysis Without Protected Areas

CELDAS		AREA	(Has)	No. Casos	Celdas	Area Total	Area Total	
Ra	ango Superior	Rango Inferior	Rango Superior	992390194445	WANTER S	Has	Km2	
0	200.00	25.00	5,000.00	495.00	14,282.00	357,050.00	3,570.50	
00	500.00	5,000.00	12,500.00	41.00	13,492.00	337,300.00	3,373.00	
00	1,000.00	12,500.00	25,000.00	15.00	9,738.00	243,450,00	2,434.50	
0	3,000.00	25,000.00	75,000.00	10.00	18,925.00	423,125,00	4,231.25	
00	125,000.00	75,000.00	3,125,000.00	2.00	58,804.00	1,470,100.00	14,701.00	
	1,014,004,001	400000000000000000000000000000000000000		563.00	113,241.00	2,831,025.00	28,310.25	

AREA ANALYSIS – SUBTRACTING PROTECTED AREAS –BY BASINS



AREA ANALYSIS – SUBTRACTING PROTECTED AREAS BY FOREST REGIONS



CONCLUSIONS

Go from a stage where nothing belongs to anyone, to a transitort stage where the resource is productive and is on one's own property. Later to Forestry by contract on one's own land.

Instruments:

- Hillside funds
- fees for environmentalservices
- management of certified carbon commerciables (CTC)
- Future wood sales
- Commercial and complementary cultivation and activities