

Table of recommended C&I for SFM in LFCCs, suitable C&I should be selected based upon national circumstances and local characteristics (with listed indicators) (Jafari, 2006)

Criteria	Elements	No. of Indicators	Indicators
<b>Criterion 1:</b> Biological Diversity		(total of 3 elements of 14 indicators)	
	<b>Element 1-1:</b> Ecosystem Diversity	(5 Indicators)	1-1-1- Forest area, age class in ecozone
			1-1-2- Forest area, age class all types of soil and protected zone from geomorphology point of view
			1-1-3- Forest type fragmentation
			1-1-4- Forest ecosystem degradation
			1-1-5- Area of protected forest ecosystem
	<b>Element 1-2:</b> Species Diversity	(6 Indicators)	1-2-1- Endanger species in forest
			1-2-2- Population of species in a selected forest
			1-2-3- Species distributions
			1-2-4- Endemic and invader species
			1-2-5- Suitable habitat for wildlife with economic value
			1-2-6- Natural regeneration of species
<b>Element 1-3:</b> Genetic Diversity	(3 Indicators)	1-3-1- Genetic diversity in seed reforestation	
		1-3-2- <i>in situ</i> and <i>ex situ</i> conservation of endanger species and species with economical value in each ecozone	
		1-3-3- Population of main and key species	
<b>Criterion 2:</b> Ecosystem condition and its Production		(14 Indicators)	2-1- (Forest production), total tree growth, economical and non trade value trees
			2-2- Increase or decrease of forest area, with the reason
			2-3- Forest distribution for: forest fire, insects, pests, disease, wood harvesting (forest health and vigor )
			2-4- Forest areas for: drought, acid wash and ozone impact
			2-5- Forest area which regenerate successfully after harvesting
			2-6- Mean annual increments (growth) based upon forest type and age class
			2-7- Percentage of crown cover
			2-8- Percentage of biomass as volume (general type of forest)
			2-9- Forest protected zones
			2-10- Forestry project and percentage of coverage areas

			2-11- Forestry research project
			2-12- Rehabilitation of arid and semi-arid zone
			2-13- Afforestation
			2-14- Forest parks
<b>Criterion 3:</b> Soil and Water		(4 Indicators)	3-1- Local acceptance (follow up) of standard law in related to the soil erosion
			3-2- Local acceptance of soil erosion in related to the road construction and river
			3-3- Area of watershed which are damaged (degraded) because of land use change in last 20 years
			3-4- Water level in forest zone
<b>Criterion 4:</b> Forest Role in Global Ecologic Cycle		(total of 2 elements 6 indicators)	
			<b>Element 4-1:</b> Carbon Cycle
	4-1-2- Carbon storage in forest ecosystems, according to forest type and age class		
	4-1-3- Net change in forest Carbon production		
	4-1-4- Carbon emission in forest sector		
	<b>Element 4-2:</b> Climate Change	(1 Indicators)	4-2-1- Partnership in Climate Change Convention and other related issue in forest sector
<b>Criterion 5:</b> Social and Economic benefits		(total of 4 elements 22 indicators)	
			<b>Element 5-1:</b> Economic benefits
	5-1-2- Value of secondary products from harvested wood product		
	5-1-3- Production, Consumption, Import and export of wood products		
	5-1-4- Share of non wood products in GDP		
	5-1-5- Value of non wood products (non trading)		
	5-1-6- Production, Consumption, Import and export of non wood products		
	5-1-7- Share of forest related services in GDP		
	5-1-8- Value of forest related services (non trading)		
	5-1-9- Percentage of energy usage of renewable forest resources, compare to total energy use		
	5-1-10- Investment volume in forest growth, health, management, planted forest, wood processing and tourism		
	<b>Element 5-2:</b> Benefit sharing	(3 Indicators)	5-2-1- Forest areas and time of wood production
5-2-2- Distribution of financial benefits of industries wood productions			
5-2-3- Royalties of local people in wood			

			production industries
	<b>Element 5-3:</b> Sustainability of benefits	(7 Indicators)	5-3-1- Annual wood production based on a sustainable harvesting 5-3-2- Annual non wood production based on a sustainable harvesting 5-3-3- Return of capital 5-3-4- Productivity Index 5-3-5- Employments 5-3-6- Average income of main (jobs) working groups 5-3-7- Area of forest protect for water harvesting
	<b>Element 5-4:</b> International partnerships	(2 Indicators)	5-4-1- Investment in international forest sector 5-4-2- Cooperation with other countries in forest monitoring (data collecting) and reporting on C&I for SFM
<b>Criterion 6:</b> Social responsibility		(total of 6 elements 24 indicators)	
	<b>Element 6-1:</b> Expected programs for local people rights	(3 Indicators)	6-1-1- Increase of local people partnership in development of policies, implementation and agreement of SFM 6-1-2- Protect of the local people right in legal agreement, commitment and program processing in SFM 6-1-3- Forest area under local people management
	<b>Element 6-2:</b> Traditional land use and local forest related ecologic knowledge	(2 Indicators)	6-2-1- Number of studies on traditional land use which employed in forest management 6-2-2- Local people income based upon traditional knowledge
	<b>Element 6-3:</b> Comfort and satisfaction of forest related communities	(4 Indicators)	6-3-1- Economical diversity in forest related communities 6-3-2- Educational and training gained by forest related communities 6-3-3- Employment rate in forest related communities 6-3-4- Number of low income people in forest related communities
	<b>Element 6-4:</b> Effective and suitable decision making	(3 Indicators)	6-4-1- Group (sector) which are satisfied from civil society participation in SFM process 6-4-2- Acceptance (follow up) of Law, Regulation and management rules in related to SFM 6-4-3- Percentage of forest area which designed (programmed), managed and implemented by people participation
	<b>Element 6-5:</b> Information	(6 Indicators)	6-5-1- Coverage, real, replicate, level of confidence of collected data in related to the

	for decision making		forest
			6-5-2- Availability of forest related data to the people
			6-5-3- Investment in R&D and forest education and industrial wood production
			6-5-4- Number of new and updated standards and guidelines of forest management in related to the ecologic subjects
			6-5-5- Extension and usage of improved new technology
			6-5-6- Technology and new capacity to evaluate social-economic consequences of implementation of new technologies
	<b>Element 6-6:</b> Recreation facilities	(6 Indicators)	6-6-1- Availability and usage of recreation facilities
			6-6-2- Variable usage of forest in social level
			6-6-3- Area and percentage of forest which has been managed for public recreation and tourisms
			6-6-4- Number and type of facility in relation to the forest area and population which has been managed for public recreation and tourisms
			6-6-5- Number of visitors in relation to the forest area and population to the areas which has been managed for public recreation and tourisms
			6-6-6- Number and possibility of fishing and game
	<b>Criterion 7:</b> Legal and Institutional condition	(9 Indicators)	7-1- Availabilities of policies, laws and suitable regulations in national and regional level
			7-2- Implementing laws in different levels and possibility of evaluations
			7-3- Availability of suitable institutions and instruments
		7-4- Economic and financial framework and instruments	
		7-5- Social informative and advisory instruments	
		7-6- Research and extension capacities	
		7-7- Usage of traditional experiences, knowledge and technologies	
		7-8- Transfer and usage of suitable (environmentally sound) technologies	
		7-9- Capabilities of implementing , related international laws	
<b>7 Criteria</b>	<b>15 Elements</b>	<b>93 Indicators</b>	