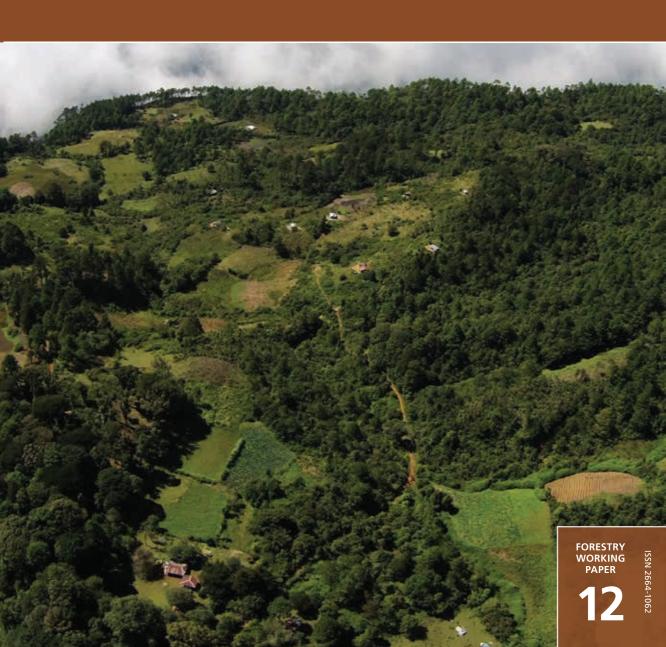


A framework to assess the extent and effectiveness of community-based forestry



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Executive summary

Community-based forestry (CBF) was implemented in countries with the premise that these would help improve governance of forests and local livelihoods. In the last four decades, there has been significant expansion in the area under CBF involving a broad array of initiatives that favour people's participation in forestry. CBF has evolved over the years towards institutionalization into mainstream national development programmes; empowerment of user groups; emergence of civil society organizations to represent CBF interests; restitution and privatization of forest land (mainly in Central and Eastern Europe); expansion of smallholder forestry, particularly in Asia; commercialization of forest goods and services; connections between smallholders/communities and private companies; and incorporation of a wider range of policy objectives into CBF (FAO 2016).

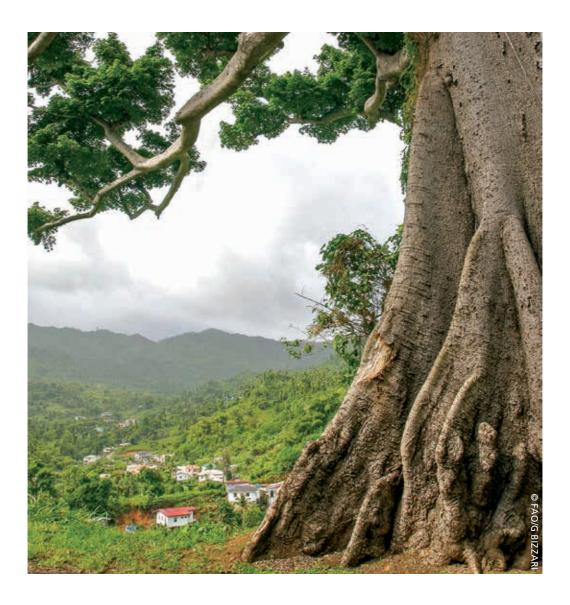
Various studies have attempted to document the extent, transitions and impact of CBF systems, but many of these have taken the case study approach, and there is little clarity of performance of these at the national levels. Lack of reliable data on effectiveness of CBF hinders analysis at the national, regional and global scales. It also makes it difficult to guide policy dialogue and to make informed decisions. Meanwhile, studies on the effectiveness of CBF that do exist indicate mixed performance. Some show major success with regards to improvements in forest governance and livelihoods of local communities. However, most of them suggest that CBF is delivering significantly below its potential.

This assessment framework can serve to provide important insights into the successes, as well as the continued shortcomings of CBF at the country level. It can also provide a means for determining and tracking the extent and effectiveness of the broad spectrum of CBF initiatives. Based on the level of devolution of rights and responsibilities, the tool categorizes the range of CBFs into participatory conservation, joint forest management, community forestry (partial to full devolution) and smallholder private forestry. The tool provides for an assessment of the institutionalization of CBF regimes in government and civil society, level of empowerment of local stakeholders involved in the CBF regime, the range and strength of rights, the various responsibilities as well as constraints to CBF. With regards to effectiveness, the tool provides for assessing changes in natural capital; social, institutional, and human capital; and the financial capital of CBF participants. The document provides for indicators that may be used across countries. This tool focuses on formal CBF initiatives recognized by statutory law, as the informal CBF arrangements not recognized by statutory law will likely be too diverse to allow for a national level assessment.

The tool may be used at any point of time to assess performance of all or specific CBF regimes or initiatives at the national level. An assessment can be especially useful to inform revision of forest policies and laws, in the design of new forestry initiatives such as REDD+ policies and programmes, or to strengthen forest-based enterprises.

When the assessment is conducted using a participatory approach involving government and non-government stakeholders, the tool can help to develop a common vision for strengthening performance of CBF initiatives in the specific country.

Well-performing CBF has the potential to rapidly restore forests in ecological terms and scale up sustainable forest management to the national level, while improving local livelihoods of billions of the most marginalized people around the world. In doing so, CBF has the potential to contribute significantly to a range of Sustainable Development Goals, in particular SDG 15 for supporting sustainable management of natural resources, SDG 1 for reducing poverty, SDG 2 for reducing hunger, SDG 10 for reducing inequality, and SDG 8 for fostering decent work and economic growth.



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The assessment framework was subsequently tested in nearly 20 countries in Africa, Asia, Europe and Latin America. Experiences from the testing process were incorporated into the revision of the framework. FAO is grateful to the country consultants that contributed to the testing of the framework, in particular Ananie Abanda, Innocent Babili, Sony Baral, Mamadou Lamine Bodian, Rebeca Dumet, D. Enkhsaikhan, Muhammed Jaiteh, Alkali Jarjusey, George Kajembe, Felix Kalaba, Ohn Lwin, Stanley Makindi, Blaise F N'Guimbi, Léon Nguimbi, Khamila O'Reilly Becerra, Nidup Peljor, Guybertho Raveloson, Anthony Sangeda, Mauro E Salazar, Iryna Skulska, Levand Turyomurugyendo and Maria del Carmen Velasco.

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Acronyms

CBF Community-Based Forestry

CSOs Civil society organizations

FAO Food and Agriculture Organization of the United Nations

FRA FAO's Global Forest Resources Assessment

NGO Non-governmental organization

NWFPs Non-wood forest products

PES Payments for Ecosystem Services

RECOFTC Center for People and Forests

REDD+ Reducing Emissions from Deforestation and Forest Degradation

RRI Rights and Resources Initiative

SDG Sustainable Development Goal

SFM Sustainable Forest Management

ToR Terms of Reference



1 Background

During the past decade considerable attention has been paid to community-based forestry (CBF) and related forest tenure transformations. Both the Food and Agriculture Organization of the United Nations (FAO) and the Rights and Resources Initiative (RRI) have carried out regional and global assessments to chart these changes (White and Martin, 2002; FAO, 2011; RRI, 2014). The reports have highlighted a substantial increase during the past two decades in forest land under various types of CBF regimes. The associated transfer of power to local people inherent in these regimes involves various combinations of user rights, responsibilities and decision-making. However, there has not been a systematic assessment of the extent and effectiveness of the various types of CBF regimes around the world. Most approaches to assessing the extent and effectiveness of CBF have tended to take a case study approach. Few of these provide results to a national level and there are even fewer examples of regional or larger-scale assessments. One exception is a comprehensive assessment of 14 countries in the Asia and Pacific region recently carried out by the Center for People and Forests (RECOFTC) (2013).

The various CBF reviews in the past decades have highlighted the importance of transferring appropriate tenure rights to local communities and smallholders. They have also underscored the importance of other enabling conditions necessary for such systems of forestry to thrive. The purpose of this assessment is to assess at the country level the extent of CBF, the status with regards to the enabling conditions, and the impact of CBF on forests and local livelihoods.



2 Approach taken to develop an assessment framework

2.1 DEFINING 'COMMUNITY-BASED FORESTRY'

This framework builds upon the extensive work of various organizations on community forestry over the past decades, and in particular on FAO reviews of community-based forestry (Arnold, 1992; Arnold, 2001; Gilmour, 2016). Following the approach taken in the FAO 2001 review of community forestry (Arnold, 2001), this assessment includes both collaborative forestry (forestry practised on land that has some form of communal tenure and requiring collective action) and smallholder forestry (forestry practised by smallholders on land that is privately owned). However, this assessment excludes agroforestry, i.e. fruit, fodder and timber trees integrated into farming systems, because the focus here is on the management of forests rather than scattered trees in the farming systems; although it is also recognized that the distinction between agroforestry and smallholder forestry is not always clear-cut.



The definition of community forestry currently used by RECOFTC, as shown in Box 1, is favoured in this assessment as an umbrella description of all initiatives that fall under the generic rubric of CBF, because of its comprehensive nature. The only caveat is that this assessment is concerned with the extent and effectiveness of **formal** CBF initiatives in rural areas recognized in statutory law, while acknowledging that informal initiatives not recognized by statutory law can be very effective locally. This is because informal initiatives are often very diverse, the extent may be unknown, and effectiveness may be difficult to generalize. The use of 'community forestry' as an umbrella term is avoided because of the specific connotation it conveys in many countries. In particular, 'community forestry' as applied in most countries focuses on forest management by communities, and does not include smallholders, a group that is explicitly included in this assessment.

BOX 1 Definition of community forestry (used as a generic definition of community-based forestry in this document)

This document uses the RECOFTC definition of community forestry as a generic definition of CBF. The definition of community forestry has evolved over time from a narrowly defined technical field to a broader concept that includes "...all aspects, initiatives, sciences, policies, institutions and processes that are intended to increase the role of local people in governing and managing forest resources." It includes informal, customary and indigenous initiatives as well as formal, government-led initiatives. Community forestry covers social, economic and conservation dimensions in a range of activities including indigenous management of sacred sites of cultural importance, small-scale forest-based enterprises, smallholder forestry schemes, company—community partnerships, and decentralized and devolved forest management. Source: RECOFTC (2013)



2.2 DEFINING 'TENURE'

CBF implies that communities hold tenure rights to defined areas of forest land. Tenure is generally defined as a 'bundle of rights' and it can take many forms. The major rights of relevance to this discussion are presented in Box 2 below. It is based on the framework described by Schlager and Ostrom, 1992 as modified by RRI, 2012.

BOX 2 The bundle of rights

Operational level rights

- Access Right to enter a defined forest, including for livestock grazing.
- Withdrawal Right to obtain 'products' of a resource, e.g. to harvest timber or non-wood forest products (NWFPs).

Collective choice rights

- Management Right to regulate internal use patterns and transform the resource by making improvements, e.g. make decisions over forest management such as to carry out silvicultural treatments.
- Exclusion Right to determine who will have access to the forest and to exclude outsiders.
- Alienation Right to sell or lease either or both of the management or exclusion rights or to use them as collateral.

Duration of rights

• Length of time rights apply, e.g. whether they are time-bound or perpetual.

Rights to compensation

• Whether the law guarantees due process and compensation if the rights are revoked or extinguished.



¹ A discussion of tenure as a 'bundle of rights' is given in FAO (2011) and RRI (2012).

2.3 A TYPOLOGY FOR CBF REGIMES BASED MAINLY ON TENURE

The precise form of management under CBF regimes (particularly the level of empowerment) varies from country to country and also within countries, depending on a host of factors. In most countries, the government does not relinquish ownership of the land, but it may devolve management rights to communities. Mexico and Melanesian countries² in the Pacific region are exceptions, with their long-standing recognition of community ownership rights. In this assessment, the distinction is retained between the ownership of forest land by communities and smallholders, and devolved management rights on government-owned land.

Most countries have their own country-specific names for different types of CBF, which can lead to some confusion when trying to make comparisons between countries. Each form of CBF tends to have its own package of rights and responsibilities, and hence empowerment. For example, in the Philippines, CBF regimes where communities have management rights of forest land have included Community-Based Forest Management Agreements, Community-Based Timber Enterprises, Certificate of Forest Stewardship Agreements, Certificate of Ancestral Domain Title and Protected Area and Community-Based Resource Management Agreements. Similarly, in Nepal, at least six different CBF regimes have evolved, of which 'community forestry' is just one (Ojha, 2014). Indigenous reserves that incorporate forest land should be included as CBF regimes.

'Community forestry' is a term used in many countries, but the package of rights and responsibilities of communities in managing forest land under this regime varies considerably among countries. Hence, there is a need to categorize the distinguishing features of the different types of CBF regimes so that meaningful comparisons can be made both within and among countries.

While a precise typology of CBF regimes is difficult, different regimes can be categorized in terms of the rights and responsibilities of communities and smallholders in planning, implementation and benefit-sharing. This tells us a lot about the extent to which CBF is likely to achieve its objectives. Boxes 3 and 4 show a spectrum of generic types of CBF based largely on rights.

According to O'Hara (2013), there are five generic types of CBF regimes that range from passive participation of communities in forest governance and management, to active control over forest resources. These include: participatory conservation, joint forest management, community forestry with limited devolution, community forestry with full devolution (e.g. indigenous territories and reserves under full control of communities), and private smallholder forest ownership.

² These include Fiji, Papua New Guinea, Solomon Islands and Vanuatu.

BOX 3

Spectrum of generic types of community-based forestry based on level of rights and responsibilities (adapted from ideas in O'Hara, 2013)

Type of CBF	Generic description	Key characteristics					
1. Delegated	Participatory conservation	This is a type of CBF in which government delegates what communities can or cannot do in specific forests within protected areas or in buffer zones. Communities are usually given responsibilities to protect forests with the purpose of meeting countries' goals in reaching conservation and biodiversity targets. The key characteristic of this CBF regime is that communities are provided access to the forest area and withdrawal rights typically to NWFPs for subsistence use only. They moreover have limited authority to make decisions with regards to forest management.					
		Indicative rights:					
		Access – Rights to access forest					
		 Withdrawal – Sometimes limited rights to harvest prescribed NWFPs 					
		Management - No rights to make forest management decisions Exclusion – No rights to determine who will have access to the forest					
		 Alienation – No right to sell or lease either or both the management or exclusion rights, or to use them as collateral Duration of rights – No defined term 					
		 Rights to compensation – No rights to obtain compensation if rights are withdrawn 					
2. Shared	Joint forest management	This is a type of CBF in which governments encourage local community involvement in the protection and conservation of government controlled forests by allowing them some benefits. Communities have some rights to collection and use of certain forest products, and communities share some management authority and responsibilities with the national forest department. However, the decision-making process is typically controlled by the government, and community rights and use of forest resources are typically very limited and prescribed by authorities. What differentiates this regime from participatory conservation is that communities are involved in managerial processes with formalization of agreements between government and communities and following forest management plans.					
		Indicative rights:					
		Access – Rights to access forest					
		 Withdrawal – Generally rights to harvest NWFPs, but rights to harvest timber held by government agencies 					
		Management – Rights to make forest management decisions held by government agencies					
		Exclusion – No rights to determine who will have access to the forest					
		Alienation – No right to sell or lease either or both the management or exclusion rights, or to use them as collateral					
		 Duration of rights – May be a defined term fixed by a management plan 					
		 Rights to compensation – No rights to obtain compensation if rights are withdrawn 					

BOX 3
Spectrum of generic types of community-based forestry (continued)

Type of CBF	Generic description	Key characteristics			
3. Partly devolved	Community forestry with limited devolution	In this type of CBF, rights to access and manage forests and forest resources are partially devolved to local communities through formalized agreements between the government and communities, and through agreed-upon management plans. Rights generally do not include the sale of timber into the open market, but the sale of NWFP can be granted if it is included in a validated management plan. What differentiates this CBF type from joint forest management is that communities have some exclusion rights, and can therefore, to an extent, determine who can have access to the forest area.			
		Indicative rights:			
		Access – Rights to access forest			
		Withdrawal – Rights to harvest NWFPs (may be subject to a management plan)			
		Management – Rights to make forest management decisions held by government agencies			
		Exclusion – Limited rights to determine who will have access to the forest			
		Alienation – No right to sell or lease either or both the management or exclusion rights, or to use them as collateral			
		Duration of right – Generally defined term fixed by a management plan			
		 Rights to compensation – No rights to obtain compensation if rights are withdrawn 			
4. Fully devolved	Community forests with substantial or full devolution/ recognition of customary rights	In this type of CBF, rights to access and manage forests and forest resources are fully devolved to (or customary rights recognized of) local communities through formalized agreements between government and communities and through agreed-upon management plans. What differentiates this from CBF with limited devolution is that communities in this case have full exclusion rights and have the right to sell timber and NWFP into the open market, on the condition that these are part of the formal management plan.			
		Indicative rights:			
		Access – Rights to access forest			
		Withdrawal – Rights to harvest NWFPs and timber (generally prescribed in a management plan)			
		 Management – Rights to make forest management decisions (generally prescribed in a management plan) 			
		Exclusion – Rights to determine who will have access to the forest			
		 Alienation – No right to sell or lease either or both the management or exclusion rights, or to use them as collateral 			
		 Duration of rights – Generally defined term fixed by a management plan 			
		Rights to compensation – No rights to obtain compensation if rights are withdrawn			

BOX 3 Spectrum of generic types of community-based forestry (continued)						
Type of CBF	Generic description	Key characteristics				
5. Owned	Private forest ownership (collective or individual)	This is a type of regime in which ownership and use rights are held by individuals, households, groups or communities to manage the forest and to receive benefits. What differentiates this from CBF with full devolution is that private owners have the right of alienation, that is, the right to sell or lease the forest or to use it as collateral.				
		 Indicative rights: Access – Rights to access forest Withdrawal – Rights to harvest NWFPs and timber Management – Rights to make forest management decisions Exclusion – Rights to determine who will have access to the forest Alienation – Rights to sell or lease either or both the management or exclusion rights, or to use them as collateral 				

• Duration of rights – Generally perpetual

• Rights to compensation – May be rights to obtain compensation if rights are withdrawn

Summa	BOX 4 Summary of rights associated with each generic type of community-based forestry regime						
			Bundle of rights				
Type of CBF	Generic description	Access	Withdrawal	Management	Exclusion	Alienation	Duration of rights
	Participatory conservation	Х	NWFPs				Not defined
	Joint forest management	Х	NWFPs	Х			Fixed by management plan
	3. Community forestry with limited devolution	X	NWFPs	Х	X (Limited)		Fixed by management plan
	4. Community forestry with full devolution	Х	NWFPs and timber	Х	Х		Fixed by management plan/ regulatory framework
	5. Private forest ownership	Х	NWFPs and timber	Х	Х	Х	Indefinite

2.4 KEY SOCIAL INDICATORS ASSOCIATED WITH CBF MANAGEMENT

In most countries it is recognized that CBF has the potential to have significant positive social impacts. These can be categorized as contributions to social/institutional and human capital, equity and inclusiveness. These social indicators are elaborated in Box 5.

BOX 5 Description of key social indicators

Social/institutional capital

CBFs require collective action/decision-making, hence invariably requiring some form of community organization or group (e.g. forest user group, community forestry management group, community or smallholder cooperative or association). A key element of these groups to function well is the degree of social/institutional capital which is premised on the fact that social networks have value. Collective action and decision-making depend on the existence or establishment of functional social networks or groupings of people, which allow individuals to achieve things they could not achieve on their own.

In particular, robust social capital is a prerequisite for sustainable forest management by CBF groups. Social capital facilitates cooperation, lowers evasion of rules and hence costs of working together, gives people confidence to invest in collective activities knowing that others will also do so, and empowers them to take control of their own agenda. Social capital comprises four central aspects: relations of trust; reciprocity and exchanges; common rules, norms and sanctions; connectedness, networks and groups (Pretty and Ward, 2001).

Human capital

Human capital is a collection of resources – all the knowledge, talents, skills, abilities, experience, intelligence, training, judgment and wisdom possessed individually and collectively in a population. These resources are the total capacity of the people and represent a form of wealth which can be directed to achieve goals and objectives (Becker, 1994). Examples include formal and informal training that builds the knowledge and skills related to forest silviculture, community development, organizational management, leadership development and entrepreneurship.

Equity

Equity refers to getting a fair share, not necessarily an equal share. Equity is understood as fairness in the decision-making processes and fair outcomes of such decisions (Sunam and McCarthy, 2010). Equity can vary according to different situations and different cultures, but an important point is that an equitable system should not further marginalize the poor (Gilmour and Fisher, 1991). An example of equity in benefit-sharing would be a situation where poor households are explicitly identified and given special consideration such as exemption or reduced payment of CBF membership fees; allocation of land to cultivate NWFPs for sale; charging rates for forest products that are lower than those that apply to wealthy households; and providing low-interest loans to support income-generation activities.

Inclusiveness

Social inclusion in CBF is the process of removing barriers and promoting incentives to increase the access of marginalized individuals and groups to natural resources and livelihood improvement activities so that they receive an equitable share of the benefits. Among the most common marginalized individuals and groups are the poor, indigenous people, women, the landless and others with limited administrative and decision-making power. Women, in particular, represent half of the global population; and yet despite their increasing role in local economies and in the management of resources (often as a result of out-migration of rural men), their formal participation is often restricted due to various legal, economic and social barriers. Inclusiveness can be facilitated by ensuring that women and other marginalized groups are supported in the legal frameworks, that they hold posts in key decision-making bodies, and are provided skills necessary to carry out their functions.

2.5 CRITERIA AND INDICATORS FOR THE ASSESSMENT FRAMEWORK

The starting point in developing a framework for the assessment was to identify key attributes on the extent and effectiveness of each CBF regime, and then to decide how these can be grouped into criteria and indicators that will give a meaningful impression at a national level. The criteria and indicators also have to be generic enough to allow for comparability among countries and regions. The many attributes needed for the indicators have to be obtained largely from existing government sources, project databases, or scientific and technical literature.

It is tempting in such a task to collect as much information as possible. But, while some countries have comprehensive databases, many do not. As far as possible, indicators were selected on the basis of assembling the minimum set of attributes needed to make judgements on the extent and effectiveness of CBF at the national levels. It is hoped that relevant information will be available in most countries. Some of the indicators require quantitative data, but this can be supplemented with interpretations and qualifications based on a review of relevant literature and expert analysis. This is a challenging task and it would need to rely on expert interpretation of a range of diverse and often incomplete data sets.

Box 6 shows the key criteria and indicators that were selected which, when considered together, will enable a judgement to be made of the extent and effectiveness of CBF in a country at the national level. This box also indicates the specific Tables (1-17) which would need to be completed as part of the assessment.





BOX 6 Criteria and indicators to assess the extent and effectiveness of community-based forestry						
Indicator number	Criteria and indicators					
Criterion 1: Extent and type of CBF						
1.1	Context within which CBF operates					
1.1a	Policy objectives of each CBF regime in the country (Table 1)					
1.1b	Area and percent of forest land under different tenure regimes (Table 2)					
1.1c	Number of people and groups involved in CBF regime (Table 3)					
1.2	Institutionalization of CBF in government and civil society					
1.2a	Institutionalization of CBF regimes into government policy, legislation, planning and programmes (Table 4)					
1.2b	Civil society organizations (apart from CBF membership groups) to represent CBF stakeholders (Table 5)					
1.3	Level of empowerment of local stakeholders for CBF regime					
1.3a	Rights associated with CBF regimes (Table 6)					
1.3b	Responsibilities associated with CBF regimes (Table 7)					
1.3c	1.3c Characterization of CBF regimes by generic type (Table 8)					
Summary of	f enabling environment for CBF regime					
Summary of	indicators assessing the enabling environment for the CBF regime (Table 9)					
Criterion 2:	Effectiveness of CBF					
2.1	Natural capital					
2.1a	Change in area and condition of forest for CBF regimes (Table 10)					
2.1b	Change in level of threats for CBF regimes (Table 11)					
2.1c	Change in quantity of forest products harvested for CBF regimes (Table 12)					
2.2	Social, institutional and human capital					
2.2a	Change in key indicators of social/institutional and human capital, equity and inclusiveness for CBF regime (Table 13)					
2.3	Financial capital					
2.3a	Change in availability of forest goods and services for subsistence use, income generation to households and community groups for CBF regime (Table 14)					
Summary of	f effectiveness of CBF					
Overall effe	ctiveness of CBF regimes (Table 15)					
Comparison of the effectiveness of the various CBF regimes (Table 16)						
Overall effectiveness of CBF regimes compared with other forest tenure regimes (Table 17)						

Section 3 outlines the process and application for undertaking the assessment framework and describes the logic behind the selection of indicators for each of the criteria. The more important CBF regimes that exist in a country should be included in the assessment irrespective of whether they occur across the entire country or are concentrated in one geographic or administrative region such as a state or province.



3 Process for conducting the assessment

This assessment framework is intended to help identify the key CBF tenure arrangements in a country, their strengths and limitations, and the impact on social/human/institutional, natural and financial capital. The assessment is intended to be carried out at the national level, but including key CBF regimes that occur in rural areas of the country, irrespective of whether they are found throughout the country or in a specific region such as a state or province.

The assessment is intended to use a collaborative and inclusive process involving consultations with all key government and non-government stakeholders.

The following process is recommended for conducting the assessment:

- 1. **Identify national consultant** As a first step, a national consultant should be identified to lead this assessment. Ideally, the consultant will have previous experience working with non-state stakeholders such as local communities or smallholders in the forestry sector. The consultant should liaise with the Ministry or Department of Forestry and other stakeholders through the course of the assessment.
- 2. **Define scope of assessment** The national consultant should work with government and non-government stakeholders as needed to define the scope of this assessment (i.e. identification of the CBF types to be assessed) (See Boxes 3 and 4). This would be further validated with interested stakeholders during the first introductory workshop noted in Step 4.
- 3. **Desk review** The framework includes a series of tables requiring qualitative and some quantitative information. The national consultant should use existing government sources, project databases, and secondary literature to complete the tables. Several of the tables include a numerical rating on a scale of 0—5: 0 suggesting no provision or impact, and 5 suggesting full provision or impact. These ratings will be subjective but are intended to provide a 'snapshot' of the CBF situation in country. Thus, 0 = no provision or impact, 1= very weak provision or impact, 2 = weak provision or impact, 3 = some provision or impact, 4 = strong provision or impact, and 5 = very strong provision or impact. The national consultant should provide his or her rating and justification under the 'overall assessment'.

- 4. Introductory workshop The national consultant in agreement with the government should consider holding an introductory workshop with stakeholders including relevant government institutions, key informants, experts from academia, research organizations, representatives of local community members, relevant NGOs, civil society groups, forest users, private sector operators, and others. The workshop should serve to orient participants to the assessment, present the process for conducting this assessment, share major findings from the desk review, and solicit input on gaps in information identified through the desk study.
- 5. **Key informant interviews** To fill in gaps in information and to obtain diverse perspectives, the consultant should conduct interviews with a broad set of key informants knowledgeable about the forest tenure systems in country. These individuals may include the stakeholders noted above. Key informant interviews would be used to validate findings and to fill gaps, particularly in regard to the implementation of CBF.
- 6. Field-level data collection Where possible, the consultant should consider obtaining field-level information from stakeholders on successes and challenges in the implementation of the CBF, functioning of institutions, and implications for stakeholders. This would involve choosing the particular tenure system to assess, selection of pilot sites, and conducting focus group discussions with a wide range of stakeholders to obtain different perspectives.
- 7. Validation workshop Information obtained through the above steps should be validated in a national-level workshop, involving the same stakeholders as those consulted earlier. The workshop would provide the opportunity to not only validate the findings, but more importantly, to agree on priority areas for strengthening CBF. The workshop should also serve to validate the numerical ratings to indicators provided by the consultant to the degree possible. However, since the ratings are general impressions of the situation, and there will be disagreements among participants, the validation should place emphasis on refining the contents of the assessment, rather than focus on obtaining agreement on the ratings. Overall, the validation workshop will be critical for building consensus on the findings and on the priority areas of work.

8. Final report – Finally, the consultant should prepare a national assessment report including: i) an introductory section providing a brief overview of CBF in the country, ii) the completed tables with a paragraph or two of text in each table to explain and qualify the data and provide the sources of information, and iii) a succinct analysis of information collected highlighting key differences and similarities observed for the various CBF regimes. The consultant may consider also developing brief summary sheets (no more than two pages) on each CBF type analysed for use in the validation workshop.





4 Application of the assessment framework

This section presents the series of tables referenced in Box 6. In particular, Tables 1 and 2 identify the CBF regimes that occur in the country and collate basic information about them. These should be completed once for all tenure types. Tables 3—15 assessing the enabling environment, effectiveness and summary of CBF should be completed separately for each different type of CBF regime. The easiest approach may be to complete Tables 3 to 15 for one CBF regime, then repeat the exercise for each of the other CBF regimes.

Table 16 allows for all the regimes to be brought together for comparison. Table 17 has been included to obtain an impression of the effectiveness of CBF compared with that of other forest management regimes. This should be completed for each CBF regime in the country.

Where information is not available, the relevant cell in the table can be marked as 'n/a'.

CRITERION 1: EXTENT AND TYPE OF CBF

A workable approach to assess the extent and type of CBF can be sought in examining the context within which CBF operates, the extent to which it is institutionalized into government and civil society, and the level of empowerment of community and smallholder groups to exercise effective forest management.

INDICATOR 1.1: CONTEXT OF CBF

Indicator 1.1a: Policy objectives of each CBF regime in the country

The different CBF regimes (essentially different types of tenure) in a country reflect different policy objectives. It is useful to clarify these, as CBF effectiveness needs to be judged against its objectives. These objectives may be stated explicitly in government policy statements or legislation, or they may need to be inferred from other documents. For example, it may be inferred that CBF aims to address forest degradation and improve livelihoods, without this being explicitly stated. Table 1 provides a framework to list the different types of CBF in a country and to summarize their policy objectives.

TABLE 1
Policy objectives for each community-based forestry regime

Type of CBF regime (country-specific name)	Number of years of operation	Policy objectives	In which part of the regulatory framework are the objectives found (e.g. law, policy, sector strategy, departmental instructions, etc.)	In which part of the forest estate is the CBF regime allowed (e.g. all public forests, in buffer zones of protected areas, indigenous territories, etc.)
1.				
2.				
3.				
4.				

Indicator 1.1b: Area and percent of forest land under different tenure regimes

The area of land under each CBF regime can generally be sourced from government databases, supplemented by data from other sources. Table 2 provides a format for the summation of forest land held under different regimes.



TABLE 2

Area of forest under different tenure regimes

		Indicators			
For	est category	Area (ha)	% of total forest land	Suggested source of data	
1.	Total forest land		100	FAO's Global Forest Resources Assessment (FRA) reports	
				Country reports informing the FRA	
				National databases	
2.	Forest land owned by			FRA reports	
	government			Country reports informing the FRA	
				National databases	
2.1	Forest land owned by			FRA reports	
	government but with management rights devolved to communities			Country reports informing the FRA	
				National databases	
	2.1a CBF type from Table 1			National databases	
	2.1b CBF type from Table 1			National databases	
	2.1c CBF type from Table 1			National databases	
	2.1d CBF type from Table 1			National databases	
3.	Forest land owned by			FRA reports	
	communities			Country reports informing the FRA	
				National databases	
	3a CBF type from Table 1			National databases	
	3b CBF type from Table 1			National databases	
	3c CBF type from Table 1			National databases	
	3d CBF type from Table 1			National databases	
4.	Forest land owned by large			FRA reports	
	owners* and corporations			Country reports informing the FRA	
				National databases	
5.	Forest land owned by			FRA reports	
	smallholders*			Country reports informing the FRA	
				National databases	
				Literature search	
				Local sources	

^{*} The cut-off point between smallholders and large forest owners tends to be country- or region-specific, e.g. in Thailand a smallholder is considered to be someone who has access to less than 16 hectares of land (Boulay, 2010) whereas Harrison et al. (2002) noted that in Austria small-scale farm forestry is considered to apply to land holdings of between 1 and 200 hectares. In general, smallholders tend to be families rather than corporate entities, and are referred to as households in many countries.

As noted, in many countries the land under CBF regimes is held under a variety of tenure arrangements where the strength of tenure rights varies. Each of the different tenure categories can be listed separately (by area in ha and % of total forest land). Hence, categories 2.1 and 3 in Table 2 should be subdivided by CBF regime, if applicable.

Indicator 1.1c: Number of people and groups involved in each CBF regime

The number of people and groups³ involved in each type of CBF regime will give an indication of the relative importance of CBF across the rural landscape, and Table 3 provides a framework to record this information.

In applying the assessment framework from this point onwards, separate tables should be filled out for each CBF regime in the country (e.g. smallholder forestry, community forestry, indigenous protected areas and village forestry) – with the exception of Table 16, where the different CBF regimes in the country are brought together for comparison.

TABLE 3

Number of people and groups involved in community-based forestry regime

		Type of CBF regime (country-specific name from Table 1):						
National Rural population Population Number of people involved in CBF regime Number of formal groups in each CBF regime % of rural population in CBF regime % of rural population in CBF regime % of rural population in CBF regime % of rural population regime % of rural population in CBF regime regime % of rural population in CBF regime % of rural population in CBF regime regime regime % of rural population in CBF regime reg								
		ural people involved	ural people involved groups in each CBF					

INDICATOR 1.2: INSTITUTIONALIZATION OF CBF IN GOVERNMENT AND CIVIL SOCIETY

Indicator 1.2a: Institutionalization of CBF regime into government policy, legislation, planning and programmes

In many countries, formal CBF started as relatively small-scale policy experiments where essential inputs (such as technical skills and budget) were often provided by external agencies. Experience suggests that it often takes some years for CBF to be tested, assessed and refined to ensure it is suitable for a country's specific conditions. It

³ Most collaborative forms of CBF operate on the basis of formal groups rather than individuals. These are generally location based (such as a collection of hamlets, a village or a political-administrative unit), but they may be ethnically based (such as a clan or tribal group). In most situations the defined group is the legally recognized entity to which rights and responsibilities are allocated.

is only after there is a degree of confidence among policy-makers that CBF is a useful forest management modality that it is integrated into national development priorities and supported by government institutions. Significant scaling up and expansion from project- to programme-scale requires, among other things, the development of an enabling regulatory framework. Scaling up is only possible where governments take strong ownership and where the CBF regime generates sufficient benefits to communities to outweigh costs. The extent to which CBF has been institutionalized into government policy, legislation, plans and programmes is an indication of the likelihood that CBF will succeed and make a significant contribution to both national development and community objectives. Table 4 provides a framework to document the extent to which CBF is institutionalized into government plans and programmes.



TABLE 4 Institutionalization of community-based forestry into mainstream government planning and programmes

Type of community-based forestryregime (country-specific name from Table 1):

_			
Documentation	issued to formalize formalize delimitation, mapping, documentation, registration of forest land)		
Budget	allocated for CBF implemen- tation In local currency		
Is the CBF	regime operational?		
S	Total number of non- government staff with this CBF regime included in their ToR		
Human resources	Total number of forestry staff or equivalent in the department		
I	Total number of government staff with this CBF regime included in		Overall score: Explanation:
Description of	organizational arrangements (e.g. national/ provincial CBF unit or division)		of this CBF of 0 to 5, with tred staff and overnment structures
CBF fully	incorporated into into plans and institutions (as opposed to CBF being treated as a project)		Overall assessment of the institutionalization of this CBF regime Based on the above, give a rating on a scale of 0 to 5, with 0 being no institutionalization and no dedicated staff and 5 being full institutionalization of CBF into government policy, legislation, planning and operational structures
CBF	specifically mentioned in forest or other legislation Y/N		
CBF	specifically mentioned in forest or other policy		Overall assess regime Based on the a being no ins 5 being full in policy, legislat

Indicator 1.2b: Civil society organizations (apart from CBF membership groups) to represent CBF stakeholders

As noted above, in some countries where CBF has made significant contributions to local livelihoods and the national economy, it has become institutionalized into regular government activities. In some cases it has made the further transition to become a people's programme that is driven to a large extent by civil society advocacy rather than a government line agency. In such cases, civil society organizations (CSOs) have emerged that represent CBF stakeholders and often act to balance community interests with those of government and other forest stakeholders. They could include networks, alliances, associations or federations that have a specific mandate to represent and advocate for CBF. An indication of the presence of such organizations is a measure of the likely resilience and effectiveness of CBF. The presence or absence of organizations that represent CBF stakeholders can be recorded in Table 5 along with an indication of the type of membership.

TABLE 5

Civil society organizations to represent community-based forestry stakeholders

Type of CBF regime (country-specific name from Table 1):						
CBF stakeholders represented by CSOs Y/N	Name or type of CSO*	Membership type**/ number of members	Type of engage-ment***	CSO influence in policy- making Y/N		
Overall assessment of the CSOs to represent CBF stakeholders	Overall score:					
Based on the above, give a rating on a scale of 0 to 5, with 0 being no CSO and 5 being well-established and effective CSO reaching most CBF stakeholders and engaging effectively in policy discourse.	Explanation:					

^{*} Type of CSO, e.g. network, alliance, association, federation, etc.

^{**} Membership type, e.g. individuals, CBF committees, user groups, etc.

^{***} This may include service provision to members, policy advocacy with government, support to communities in the implementation of CBF, such as helping to register community rights, delimit forest area, support development of management plans, etc.

INDICATOR 1.3: LEVEL OF EMPOWERMENT OF LOCAL STAKEHOLDERS FOR CBF REGIME

Indicator 1.3a: Rights associated with CBF regime

It is generally hypothesized that the stronger each of the rights in the 'bundle of rights' that constitutes tenure is held, the more effective CBF is likely to be in terms of achieving its intended policy objectives (See Section 2.3 for a description of each of the rights). Hence, an assessment of the presence of each right and its strength will assist in judging the validity of this hypothesis and the likely effectiveness of the type of CBF regime under consideration.

Strong rights are those that are embedded in a country's constitution or statutory law. Weak rights are those that are contained in lower levels of the regulatory framework, such as ministerial directions, rules and regulations. Strong rights cannot be revoked easily or modified by bureaucratic discretion. Locally recognized rights that are not formally recognized by the state would be weak, even though they may be locally effective. Table 6 outlines an assessment matrix for rights associated with the CBF regime.



TABLE 6 Assessment of tenure of community-based forestry regime

Type of CBF regime (country-s	pecific nam	e from Table	e 1):		
Type or an regime (commy o			,-		
Type of rights	Right	Duration	Strength	of rights	Qualification of rights
	present	of rights	Indicators		(e.g do all members of the CBF group enjoy
	Y/N		Weak	Strong	equal rights)
Access – right to enter a defined forest with adequate area to meet essential needs					
Withdrawal – right to obtain 'products' of a resource, e.g. harvest timber, NWFPs, other					
Products for subsistence use					
 Products for commercial use (e.g. NWFPs, timber, other) 					
Management – right to regulate internal use patterns and transform the resource by making improvements, e.g. make decisions to manage forests, such as carry out silvicultural treatments					
Exclusion – right to determine who will have access to the forest and to exclude outsiders					
Alienation – right to sell or lease either or both the management or exclusion rights, or to use them as collateral					
Compensation if rights are revoked or extinguished					
Overall assessment of strength of tenure rights	Overall sco	ore:			
Based on the above, give a rating on a scale of 0 to 5, with 0 being no tenure security and 5 being very strong tenure security, where the exercise of rights is largely unconstrained	Explanatio	on:			

Indicator 1.3b: Responsibilities associated with CBF regime

In most countries, communities and smallholders are required to accept a range of responsibilities in exchange for the rights to manage their forests and share in the benefits. These are generally prescribed in the regulatory framework (laws, policies, rules and regulations, etc.) and may include preparing a management plan, carrying out a forest inventory, obtaining approval from government officials to harvest and/or sell forest products, etc. These responsibilities provide insights into why some CBF regimes deliver on their objectives, while other seemingly similar regimes deliver less well. Table 7 provides a framework for assessing the extent to which various responsibilities enable or constrain effective implementation of CBF.



TABLE 7
Assessment of the extent to which responsibilities enable or constrain community-based forestry management

Responsibilities (generally prescribed in the regulatory framework) *	Responsi- bility required		which respon estrain CBF ma		Qualification of the assessment (e.g. why and	
regulatory mainework,	required		Indicators		how does responsibility	
	Y/N	Enable **	Moderately constrain ***	Constrain ****	enable/ constrain CBF management)	
Register CBF group						
Prepare management plan						
Carry out forest inventory						
Obtain approval from government officials to harvest NWFPs, including wildlife						
Obtain approval from government officials to graze animals						
Obtain approval from government officials to harvest fuelwood						
Obtain approval from government officials to harvest timber						
Obtain approval from government officials to transport or sell forest products into open market						
Pay taxes to government on harvest/ sale of forest products						
* Other						
Overall assessment of extent to which all responsibilities (combined) enable/constrain CBF management	Overall sco	ore:				
Based on the above, give a rating on a scale of 0 to 5, with 0 being CBF management is severely constrained by imposed responsibilities, and 5 being management is largely unconstrained by imposed responsibilities	Explanatio	n:				

^{*} Add rows as necessary to accommodate locally relevant responsibilities, such as carry out environmental impact assessment; obtain independent certification of products harvested, banning of chainsaws for harvesting timber, etc.

^{**} Responsibility is simple and easy to fulfil and requires no external support.

^{***} Responsibility can be fulfilled but is moderately complex and requires some external financial and/ or technical support.

^{****} Responsibility is complex and difficult, and/or costly and time-consuming to fulfil and requires considerable external financial and/or technical support.

Indicator 1.3c: Characterization of CBF regime by generic type

Based on the assessments carried out in Tables 6 and 7, an evaluation can be made of where the CBF regime being assessed is located on the spectrum shown in Boxes 3 and 4. The results can be entered into Table 8.

TABLE 8 Characterization of community-based forestry regime

Table 8 characterizes the CBF regime based on balance of rights and responsibilities, and hence empowerment, against the spectrum of rights presented in Boxes 3 and 4.

Type of CBF regime – from Table 1 (country-specific name)	Generic characterization of CBF regime (type and name of CBF regime – 1 to 5 from Boxes 3 and 4)

OVERALL SUMMARY OF ENABLING ENVIRONMENT FOR CBF REGIME

Summary of key indicators to assess level of enabling environment for the CBF regime

Summarize the enabling environment for CBF regimes in Table 9 using ratings from Tables 4, 5, 6 and 7. The table should be completed for each tenure regime separately.

TABLE 9

Summary of enabling environment for the community-based forestry regime

	Summary	of indicat	tor rating	s from Tak	oles 4, 5,	6 and 7
Key indicators	(0)	(1)	(2)	(3)	(4)	(5)
Institutionalization of CBF into government (Table 4)						
CSOs representing CBF (Table 5)						
Strength of tenure rights (Table 6)						
Constraining/enabling effect of regulatory responsibilities (Table 7)						
Overall summary of CBF regime in terms of the enabling environment in which it operates	Overall so	core:		,		
Rating on a scale of 0 to 5, with 0 being not enabling for CBF and 5 being highly enabling for CBF	Explanation:					

^{*} Place an "X" in the square that corresponds to the rating number given in the relevant table.



CRITERION 2: EFFECTIVENESS OF CBF

The effectiveness of CBF can be considered from the viewpoint of the policy objectives that are set⁴. These are frequently framed to include both biophysical and socio-economic outcomes that collectively contribute to sustainable forest management and enhanced livelihoods. The framework for this assessment defines livelihoods in terms of three key capital (or asset) classes: natural; social, institutional, human; and financial capitals (adapted from the livelihoods framework described by DFID, 1999). This approach was chosen as these three types of capital are frequently reported on in the literature and, taken together, provide a comprehensive picture of the most common CBF outcomes.

Most assessments of the effectiveness of CBF have been carried out on a case study basis, and there are few examples of scaling up case study results to a national scale. For this reason it may be necessary to judge the effectiveness of CBF by making assessments based on as many case studies as possible.



⁴ There may be situations where policy objectives are found to be problematic in terms of adverse effects on communities, but this needs to be drawn out in the accompanying narrative.

INDICATOR 2.1: NATURAL CAPITAL

Indicator 2.1a: Change in area and condition of forest for CBF regime

The most important indicators of changes to the natural capital (i.e. those concerning the biophysical outcomes) relate to the forest itself, its condition and biodiversity. Changes in forest condition since the commencement of a CBF regime can be judged from indicators such as changes in area of forest, wood volume or biomass and regeneration. Changes in biodiversity can be judged from changes in species diversity over time. In many cases these changes will need to be inferred from case studies. Table 10 outlines a framework for recording the relevant changes for the CBF regime under consideration.

TABLE 10

Change in forest area and condition

Type of CBF regime (country-specific name from Table 1):						
		Change	in forest inc	dicators	Qualification of assessment	
Forest condition indicators	Baseline condition**	Increase	No change	Decrease	(why; to what extent, etc.)	
Area of forest						
Wood volume/biomass						
Regeneration						
Biodiversity (species diversity – flora and fauna)						
Ecosystem services: erosion control, water quality and quantity, and soil fertility						
Other*						
Overall assessment of forest condition	Overall score:					
Based on the above, give a rating on a scale of 0 to 5, with 0 being a decrease in forest condition and 5 a substantial improvement in forest condition, or maintenance of a baseline situation of good forest condition	Explanation:					

- * Add rows as necessary to accommodate locally relevant indicators.
- ** Rate baseline condition of the forest as poor, medium or good quality.

Indicator 2.1b: Change in level of threats for CBF regime

Another indication of the effectiveness of a CBF regime is a reduction in the level of threats that can be associated with improved overall management since commencement of the regime. Table 11 provides a framework to record relevant changes.

TABLE 11 Change in level of threats

Type of CBF regime (country-specif	ic name from Tal	ble 1):						
		Chang	Change in level of threats			Change in level of threats		
Threats	Baseline condition**	Increase	No change	Decrease	of assessment (why; to what extent, etc.)			
Unplanned or wild fire								
Illegal logging								
Unsustainable fuelwood extraction								
Unsustainable charcoal production								
Wildlife poaching								
Encroachment for agricultural purposes								
Land grabbing								
Other*								
Overall assessment of change in level of threats	Overall score:							
Based on the above, give a rating on a scale of 0 to 5, with 0 being an overall increase in threat level and 5 an overall reduction in threat level (or a maintenance of the status quo in the event that the baseline situation was rated as "low")	Explanation:							

- * Add rows as necessary to accommodate locally relevant threats.
- ** Rate baseline condition of the threats to the forest as high, medium or low.

Indicator 2.1c: Change in quantity of forest products sustainably harvested for CBF regime

Changes in the quantity of forest products harvested give an indication of the extent to which CBF is able to meet the forest product needs of communities and smallholders. The most common forest products accessed by communities and smallholders include timber, woodfuel, poles, fodder, wildlife and NWFPs. Table 12 gives a framework for assessing the changes in the quantity of forest products sustainably harvested for the CBF regime since commencement.

TABLE 12
Change in availability of forest products

Type of CBF regime (country-specific name from Table 1):						
	Baseline situation of forest		in quantity sustainably		Qualification of assessment	
Forest products sustainably harvested	products harvested**	Increase	No change	Decrease	(why; to what extent, etc.)	
Timber						
Woodfuel						
Poles						
Fodder						
Leaf mulch						
Wildlife						
Food (directly from the forest)						
NWFPs (other than food)						
Other*						
Overall assessment of changes in quantity of forest products harvested	Overall score:					
Give a rating on a scale of 0 to 5, with 0 being a decrease in quantity of forest products sustainably harvested and 5 being a substantial increase in the quantity of forest products sustainably harvested (or a maintenance of the status quo in the event that the baseline situation was rated as "substantial amount harvested")	Explanation:					

- * Add rows as necessary to accommodate locally relevant products.
- ** Rate the baseline situation of forest products harvested as none harvested, a medium amount harvested or a substantial amount harvested.

INDICATOR 2.2: SOCIAL/INSTITUTIONAL/HUMAN CAPITAL

Indicator 2.2a: Change in key social indicators of social/institutional and human capital, equity and inclusiveness for CBF regime

Improvement in social outcomes is generally an explicit part of the rationale for adopting CBF. Table 13 provides a framework for assessing the impact of CBF on key social indicators since commencement of the regime (Box 5 gives descriptions of the first four of these indicators).

TABLE 13

Change in key social indicators

Type of CBF regime (country-specific na	ame from Table	1):			
	Baseline situation	Change	Summary		
Social indicators*	of social indicators**	Increase	No change	Decrease	of situation (description)
Social/institutional capital (social and institutional arrangements to manage forests)					
Human capital (knowledge and skills to manage forest, such as preparing management plans, carrying out silvicultural treatments, leadership and entrepreneurship)					
Equity (equitable sharing of costs and benefits, including special provisions for the marginalized as needed)					
Inclusiveness (marginalized individuals and others such as women and youth included in membership, and sharing equitably in decisionmaking processes)					
Use of forest goods and/or services for cultural/spiritual purposes					
Recognition and use of traditional and indigenous knowledge					
Overall assessment of changes in social indicators	Overall score:				
Based on the above, give a rating on a scale of 0 to 5, with 0 being an overall decrease in social indicators and 5 being a substantial increase in social indicators (or a maintenance of the status quo in the event that the baseline situation was rated as "high")	Explanation:				

^{*} Add rows as necessary to accommodate locally relevant social indicators.

^{**} The baseline situation of social indicators (i.e. the situation when CBF was commenced) can be rated as low, medium or high.

INDICATOR 2.3: FINANCIAL CAPITAL

Indicator 2.3a: Change in availability of forest goods and services for subsistence use, income generation to households and community groups for CBF regime

Continuing community support for CBF is contingent on community members receiving sufficient benefits from their involvement to outweigh the costs involved. Many, but not all, benefits have a financial value, although it is not always easy to assign a monetary value to them. Much of the rationale for promoting CBF is based on a stated intention of improving the livelihoods of rural people. This generally involves improving access to subsistence goods and services and increasing income from the sale of goods and services. Table 14 provides a framework to assess the change in financial indicators of the major forest goods and services derived from CBF management since commencement of the regime.



TABLE 14

Change in key financial indicators

Type of CBF regime (country-	specific name	from Table 1):				
		Change primarily at	Change ii	indicators	Summary of situation	
Financial indicators	Baseline condition of financial indicators*	household (H) or community (C) level	Increase	No change	Decrease	(explanation, amount of financial benefit)
Income from sale of timber						
Income from sale of fuelwood						
Income from sale of wildlife						
Income from sale of NWFPs (apart from wildlife)						
Income from payments for ecosystem services (PES)						
Income adequate to meet basic household needs						
Income to the particularly vulnerable households/ groups**						
Use of income generated from CBF activities to re-invest in forest management						
Use of income generated from CBF activities for social purposes (e.g. by supporting school buildings, paying school teachers' salaries, providing low-income loans to marginalized groups/individuals, etc.)						
Financing opportunities such as micro-credit and community fund for investing in business enterprises						
Community-based enterprises established						
Jobs directly related to CBF activities						
Overall assessment of changes in economic indicators	Overall score	2:				
Based on the above, give a rating on a scale of 0 to 5, with 0 being a decrease in financial indicators and 5 being a substantial increase in financial indicators (or a maintenance of the status quo in the event that the baseline situation was rated as "high")	Explanation:					

- * The baseline situation of financial indicators (i.e. the situation when CBF was commenced) can be rated as low, medium or high.
- ** Vulnerable groups here refers to the poor households, women, women-headed households, landless, indigenous, or others. Please specify under overall assessment.

OVERALL SUMMARY OF EFFECTIVENESS OF CBF

Summary of effectiveness of CBF regime in enhancing natural, social/institutional/human and financial capital and overall effectiveness

It is useful to obtain an impression of the overall effectiveness of each CBF regime in achieving its objectives. This can be done by combining the ratings for each of the key indicators into one table (Table 15).

TABLE 15
Overall effectiveness of community-based forestry

			or ratings fr fectiveness			
Key indicators	(0)	(1)	(2)	(3)	(4)	(5)
Natural capital						
Area and condition of forest (Table 10)						
Threats to forest (Table 11)						
Quantity of products sustainably harvested (Table 12)						
Summary of effectiveness of CBF regime in enhancing natural capital (average of above three indicators)						
Social/institutional/human capital						
Social indicators (Table 13)						
Financial capital						
Financial indicators (Table 14)						
Overall assessment of effectiveness in moving towards SFM and enhancing livelihoods	Overall so	ore:				
Based on the above, give a rating on a scale of 0 to 5, with 0 being ineffective in moving towards SFM and enhancing livelihoods and 5 being highly effective in moving towards SFM and enhancing livelihoods	Explanation	on:				

^{*} Place an "X" in the square that corresponds to the rating number given in the relevant table.

Comparative effectiveness of all CBF regimes in a country in moving towards SFM and enhancing livelihoods

In those countries with several types of CBF regime, it is of interest to compare their relative effectiveness in moving towards SFM and enhancing livelihoods. Table 16 provides a framework for making this comparison.

TABLE 16

Comparison of effectiveness of the various community-based forestry regimes

Type of CBF regimes (country-specific names from Table 1)	Generic types of CBF regimes (from Table 8)	Level of enabling environment (from Table 9)	Overall effectiveness in achieving SFM and enhancing livelihoods (from Table 15)

Perceptions of overall effectiveness of CBF regime compared with other forest tenure regimes in moving towards SFM and enhancing livelihoods

As well as rating the effectiveness of CBF in achieving its objectives, it is useful to gain an impression of the comparative performance of CBF against other types of forest management, such as concession logging or direct government forest management, in moving towards SFM and enhancing livelihoods. Table 17 provides a framework for making this qualitative judgement.

TABLE 17

Overall effectiveness of community-based forestry compared with other forest tenure regimes

Type of CBF regime (country-specific name from Table 1):				
Type of non-CBF forest tenure regime	Perception of effectiveness of non-CBF forest tenure regimes compared with CBF			
	Worse	Similar	Better	Comments
1.				
2.				
3.				



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