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ACRONYMS

AAC	Annual Cutting Range	CAR	Central African Republic
ACF	African Conservation Fund	CARPE	Central African Regional Program for the Environment
ADB	Asian Development Bank	CARPO	Central African Regional Program Office
ADCP	Acoustic Doppler Current Profilers	CASCADe	Crédits carbone pour l'agriculture, sylviculture, conservation et l'action contre la déforestation
ADF/NALU	Allied Democratic Front	CAS-DFT	Compte d'Affectation spéciale pour le Développement forestier et touristique
AFD	French Development Agency	CAS-DT	Compte d'Affectation spéciale pour le Développement touristique
AFLEG	African Forest Law Enforcement and Governance	CAT	Management and Processing Conventions
AFOLU	Agriculture, Forestry and Other Land Use	CAWHFI	Central Africa World Heritage Forest Initiative
AfriMAB	African Network for MAB	CBFF	Congo Basin Forest Fund
AG	Aboveground	CBFP	Congo Basin Forest Partnership
AGB	Aboveground Biomass	CBG	Compagnie des Bois du Gabon
ALPICAM	Alpi Pietro et Fils Cameroun	CBNRM	Community-Based Natural Resource Management
AMESD	African Monitoring of the Environment for Sustainable Development	CBO	Community-Based Organisations
AMNH	American Museum of Natural History	CDF	Centre de Données Forestières
ANAFOR	National Agency for Forest Development	CDM	Clean Development Mechanism
ANDEGE	Amigos de la Naturaleza y Desarrollo de Guinea Ecuatorial	CDNP	Conkouati Douli National Park
ANPN	National Parks Agency	CEB	Compagnie équatoriale des Bois
APDS	Dzanga-Sangha Protected Areas	CEC	Cation Exchange Capacity
APRA	Aprovechamiento Productos Agrícolas	CEFDHAC	Conference on Dense Humid Forests Ecosystems of Central Africa
APREN	Appui à la protection et la régénération des ressources naturelles	CEMAC	Communauté économique et monétaire de l'Afrique centrale
AR	Abanga River	CENAREST	National Center for Scientific and Technological Research
ASB	Alternatives to Slash-and-Burn	CF	Community Forests
ATIBT	Association Technique Internationale des Bois Tropicaux	CFA	Communauté financière d'Afrique
ATO	African Timber Organization	CFAD	Forestry Concession under Sustainable Management
AWF	African Wildlife Foundation	CFC	Compagnie forestière du Cameroun
AWG-KP	Ad Hoc Working Group on Further Commitments for Annex I Parties under the Kyoto Protocol	CFT	Compagnie forestière et de Transformation
AWG-LCA	Ad Hoc Working Group on Long-term Cooperative Action under the Convention	CHZ	Community Hunting Zones
BAD	African Bank for Development	CI	Conservation International
BCTF	Bushmeat Crisis Task Force	CIA	Central Intelligence Agency
BG	Below ground	CIB	Congolaise industrielle des Bois
BGB	Belowground biomass	CIBC	Compagnie industrielle des bois du Cameroun
BIVAC	Bureau Inspection Veritas Academie Consiquency	CIBN	Congolaise industrielle de Bois du Niari
BNGE	Bosque Nacional Guinea Ecuatorial	CICOS	International Commission for the Congo-Oubangui-Sangha Basin
BREAD	Bureau de REcherche Appui au Développement	CICTE	Consejo de Investigaciones Científicas y Tecnológicas
BW	Biomass expressed in dry matter by unit area		
CamIron	Cameroon Iron Ore Company		

CIFOR	Center for International Forestry Research	DF	Direction des Forêts
CIRAD	Centre de Coopération internationale en recherche agronomique pour le Développement	DFAP	Direction de la Faune et des Aires protégées
CIRMF	Centre international de Recherches médicales de Franceville	DFGFI	Dian Fossey Gorilla Fund International
CITES	Convention on International Trade in Endangered Species	DFID	Department for International Development
CMEC	China National Machinery and Equipment Import and Export Corporation	DGEF	Direction générale de l'Environnement
CMP	Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol	DGF	Direction de Gestion forestière
CNA	Centre national Antipollution	DGRAD	Direction générale des Recettes administratives, judiciaires, domaniales et de Participation
CNDP	Congrès national de Défense du Peuple	DGRST	Direction générale de la Recherche scientifique et technique
CNIAF	Centre national d'Inventaire et d'Aménagement des Ressources forestières et fauniques	DIAF	Direction des Inventaire et Aménagement forestier
CNSEE	Centre national de la Statistique et des Études économiques	DIARF	Direction des Inventaires, de l'Aménagement, et de la Régénération des Forêts
CoCoSi	Comité de coordination de site	DLH	Dalhoff Larsen and Horneman
COMIFAC	Forestry Commission of Central Africa	DRC	Democratic Republic of Congo
CONAMA	Comisión Nacional del Medio Ambiente	DSCR	Strategy Paper for Growth and Reduction of Poverty
COP	Conference of the Parties	EC	European Commission
COP/MOP	Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol	ECOFACT	Conservation et utilisation rationnelle des écosystèmes forestiers d'Afrique centrale
COVAREF	Comité de valorisation des ressources fauniques	EFC	Eucalyptus Fibers Congo
CP	Conférence des Parties	EG	Equatorial Guinea
CPAET	Management, Exploitation and Processing Provisional Convention	ENCRO	École nationale des Cadres ruraux d'Oyem
CREF	Centre de Recherche en Écologie et Foresterie	ENEF	École nationale des Eaux et Forêts
CREF	Réseau pour la conservation et la réhabilitation des écosystèmes forestiers du Nord-Kivu	ENRA	Enzyme Refiners Association
CRESA	Centre Régional d'Enseignement Spécialisé en Agriculture	ERAIFT	Ecole régionale post-universitaire d'Aménagement et de Gestion intégrés des Forêts et Territoires tropicaux
CSF	Climatically Stable Forest	ERPA	Emissions Reductions Purchase Agreement
CTDR	Collège technique de Développement rural	ERZ	Extractive Resource Zone
CTFC	Centre technique de la Forêt communale	ETM+	Enhanced Thematic Mapper Plus
CTFS	Center for Tropical Forest Science	ETS	Emission Trading System
CTI	Industrial Processing Convention	EU	European Union
CUF	Cameroon United Forest	EUFOR	European Union Forces
CUREF	Conservación y Utilización Racional de los Ecosistemas Forestales	FAO	Food and Agriculture Organization
CW	Carbon stocked in woody plants	FARDC	Forces armées de la République démocratique du Congo
DACEFI	Développement d'alternatives communautaires à l'exploitation forestière illégale	FASA	Faculté d'Agronomie et des Sciences agricoles
DAF	Development Adjustment Factor	FC	Congolese Franc
DC	Developing Countries	FCCC	Framework Convention on Climate Change
DD	Degradation and Deforestation	FCPF	Forest Carbon Partnership Facility
DEPFOR	Département de Formation forestière	FD	Forêt domaniale
		FDLR	Forces démocratiques de Libération du Rwanda
		FEP	Forest Environment Program
		FF	Forestry Fund

FFEM	Fonds français pour l'Environnement mondial	IAK	Indices of Kilometer Abundance
FIB	Fédérations des Industriels du Bois	ICASEES	Institut centrafricain des Statistiques et des Études économiques et sociales
FIRMS	Fire Information for Resource Management System	ICCN	Institut congolais pour la Conservattion de la Nature
FLEGT	Forest Law, Enforcement, Governance and Trade	ICRA	Institut centrafricain de Recherche agronomique
FLU	Forest Logging Units	ICRAF	International Centre for Research in Agroforestry
FMU	Forest Management Units	IDA	International Development Association
FONAMA	Fondo Nacional de Medio Ambiente	IDP	Internally Displaced People
FORABOLA	Société forestière et agricole de la Mbola	IDR	Institut de Développement rural
FORAF	Forêt d'Afrique	IFB	Industries forestières de Batalimo
FRA	Forest Ressource Assesment	IFIA	Interafrican Forest Industries Association
FRCF	Fonds de Reconstitution du Capital forestier	IFL	Industrie forestière de Lambaréné
FRED	Fund for the Reduction of Emissions from Deforestation	IFO	Industrie forestière de Ouessou
FRM	Forêt Ressources Management	IGA	Income-Generating Activities
FSC	Forest Stewardship Council	IGCP	International Gorilla Conservation Programme
FSDf	Special Fund for Forestry Development	IJZBC	Institut des Jardins zoologiques et botaniques du Congo
FSF	Special Fund for Wildlife	IMCS	International Media, Conseils & Services
FTI	Forest Transparency Initiative	IMF	International Monetary Fund
FUPROCAM	Fédérations des Unions de Producteurs de Cacao du Mbam et Inoubou	IMPM	Institute of Medical Research and Medicinal Plants
FZS	Frankfurt Zoological Society	IMU	Inventory and Monitoring Unit
GACC	Global Agreement on Climate Change	INADES	Institut africain pour le Développement économique et Social
GDP	Gross domestic product	INC	Institut national de la Cartographie
GEF	Global Environment Facility	INCEF	International Conservation and Education Fund
GFA	Global Forest Alliance	INCOMA	Instituto Nacional de Conservación del Medio Ambiente
GFBC	Groupement de la filière bois au Cameroun	INDEFOR-AP	Instituto Nacional de Desarrollo Forestal y Gestión de Áreas Protegidas
GFW	Global Forest Watch	INERA	Institut national pour l'Étude et la Recherche agronomique
GHGs	Greenhouse Gas Emissions	INS	National Statistic Institute
GIC	Gilman International Conservation	IO	Independent Observer
GIS	Geographic Information System	IPACC	Indigenous Peoples of Africa Coordinating Committee
GLC	Global Land Cover	IPCC	Intergovernmental Panel on Climate Change
GNI	Gross National Income	IPHAMETRA	Institut de Pharmacopée et de Médecine traditionnelle
GNP	Gross National Product	IRAD	Institute of Agricultural Research for Development
GOFC-GOLD	Global Observation of Forest and Land Cover Dynamics	IRAF	Institut de Recherche agronomique forestière
GRASP	Great Apes Survival Partnership	IRC	International Rescue Committee
GRUMCAM	Grumes du Cameroun	IRD	Institut de Recherche pour le Développement
GTZ	German Society for Technical Cooperation	IRET	Institut de Recherche en Écologie tropicale
GWZ	Gebroeders Wijma & Zonen B.V.		
HCP	Heartland Conservation Process		
HDI	Human Development Index		
HIPC	Heavily Indebted Poor Countries		
HIV	Human Immunodeficiency Virus		

IRISH	Institut de Recherche en Sciences sociales	MINEP	Ministère de l'Environnement et de la Protection de la Nature
IRM	Innovative Resources Management	MINFOF	Ministère des Forêts et de la Faune
IRT	Institut de Recherche technologique	MINRESI	Ministère de la Recherche scientifique et de l'Innovation
ISDR	Institut supérieur de Développement rural	MLW	Maringa Lopori Wamba
ISEA	Institut supérieur d'Études agronomiques	MMT	Mbou-Mon-Tour
ISO	International Standards Organisation	MODIS	Moderate Resolution Imaging Spectroradiometer
ITA	Institut technique agricole	MOP	Meeting of the Parties to the Kyoto Protocol
ITB	Industries de Transformation de Bois	MOU	Memorandum of Understanding
ITTO	International Tropical Timber Organization	MPMA	Ministerio de la Pesca y del Medio Ambiente
IUCN	International Union for Conservation of Nature	MTKB	Maiko Tayna Kahuzi-Biega
IWRM	Integrated Management of Water Resources	MTN	Mobile Telephone Network
JERS	Japanese Earth Resources Satellite	MW	MegaWatt
JRC	Join Research Centre	MWH	MegaWattHour
Kg	Kilogram	N/A	Not Available
KMM	Kougoulevu-Medouneu-Mbe	NASA	National Aeronautics and Space Administration
KP	Kyoto Protocol	NEPAD	New Partnership for Africa's Development
LCMNR	Local Committees for the Management of Natural Resources	NGO	Non Governmental Organization
LTCR	Lake Tele Community Reserve	NN	Nouabalé Ndoki
LULUCF	Land Use, Land Use Change and Forestry	NOAA	National Oceanic and Atmospheric Administration
MA	Monte Alén	NP	National Park
MAB	Man and the Biosphere	NPV	Net Present Value
MAE	Ministère des Affaires étrangères	NQAP	National Quota Allocation Plan
MBG	Missouri Botanical Garden	NR	Nature Reserve
MC	Monts de Cristal	NST	Nord Sud Timber
MDGs	Millennium Development Goals	NTFP	Non-Timber Forest Products
MDRI	Multilateral Debt Relief Initiative	OCEAN	Organisation for Economic Cooperation and Development
MEA	Millennium Ecosystem Assessment	OCHA	United Nations Office for the Coordination of Humanitarian Affairs
MECNEF	Ministère de l'Environnement, Conservation de la Nature, Eau et Forêt	OECD	Organisation de Coopération et de Développement Economique
MECNT	Ministère de l'Environnement, Conservation de la Nature et Tourisme	OFAC	Observatoire des Forêts d'Afrique centrale
MEF	Ministère de l'Économie Forestière	OFR	Okapi Faunal Reserve
MEFCPE	Ministère des Eaux, Forêts, Chasses et Pêches et de l'Environnement	OLB	Origine et Légalité du Bois
MEFE/CAB	Ministère de l'Économie forestière et de l'Environnement	OLNP	Ogoué-Lékéti National Park
MEFEPA	Ministère de l'Économie forestière, des Eaux, de la Pêche et de l'Aquaculture	ONADEF	Office national de Développement des Forêts
MEFEPPN	Ministère de l'Économie forestière, des Eaux, de la Pêche et des Parcs nationaux	ONADER	Office national du Développement rural
MERIS	Medium Resolution Imaging Spectrometer	ONFi	Office national des Forêts international
MFA	Ministère des Forêts et de l'Agriculture	ORTPN	Office rwandais du Tourisme et des Parcs nationaux
MIKE	Monitoring of the Illegal Killing of Elephants	OSFAC	Observatoire satellital des Forêts d'Afrique centrale
MINEF	Ministère de l'Environnement et des Forêts		

PA	Protected Area	REDD	Reducing Emissions from Deforestation and Degradation
PAFC	Pan African Forest Certification	REM	Resource Extraction Monitoring
PAP	Pilot Action Program	RFA	Redevance forestière annuelle
PAPPGF	Projet d'Aménagement des petits Permis forestiers	RFLY	Lomako Yokokala Faunal Reserve
PARN	Projet d'Aménagement des Ressources Naturelles	RGC	Reférentiel Géographique Commun
PARPAF	Projet d'Appui à la Réalisation des Plans d'Aménagement forestiers	RHD	Rutshuru Hunting Domain
PBNP	Plateaux Batéké National Park	RIGC	Renforcement des initiatives pour la gestion communautaire
PCBP	Timber Cutting Permits for Plantations	RMMC	Monts de Cristal Military Reserve
PDD	Project Design Document	ROC	Republic of Congo
PDS	Parc Dzanga-Sangha	R-PIN	Readiness Plan Idea Note
PEA	Exploitation and Management Permit	RS	Remote sensing
PERSE	Protection des Écosystèmes et des Espèces rares du Sud de l'Équateur	RVF	Régie des Voies fluviales
PES	Payments for Environmental Services	RVM	Régie des Voies maritimes
PFA	Associated Forestry Permit	SAFBOIS	Société africaine de Bois
PGDRN	Programme de gestion durable des ressources naturelles	SAP	Sylvo-Agro-Pastoral
PGG	Permit by Mutual Consent	SAR	Synthetic Aperture Radar
PGTCV	Projet de gestion des terroirs de chasse villageoise	SARS	Severe Acute Respiratory Syndrome
PIN	Project Idea Note	SBSTA	Subsidiary Body for Scientific and Technical Assistance
PK	Kilometric Point	SCAD	Société centrafricaine de Déroulage
PNAF	Plan Nacional de Acción Forestal	SCAF	Société centrafricaine forestière
PNAN	Altos de Nsork National Park	SCEVN	Service commun d'Entretien des Voies navigables
PNFoCo	National Forest and Conservation Program	SCPFEEI	Service de Contrôle des Produits forestiers et fauniques à l'Exportation et à l'Importation
PNKB	Kahuzi-Biega National Park	SDR	Special Drawing Rights
PNMA	Monte Alén National Park	SDSU	South Dakota State University
PNMC	Monts de Cristal National Park	SEBAC	Société d'Exploitation des Bois d'Afrique centrale
PNOK	Odzala-Kokoua National Park	SEBO	Société des Élevages du Bandundu Occidental
PNVi	National Park of Virunga	SEBOCA	Société d'Exploitation des Bois de Centrafrique
PPG	Projet protection des gorilles	SEDAF	Société d'Exploitation-Développement agricole et forestier
PRA	Participative Rural Assesment	SEEF	Société équatoriale d'Exploitation forestière
PRGF	Poverty Reduction and Growth Facility	SEFAC	Société d'Exploitation forestière et agricole du Cameroun
PROGEPP	Projet de gestion des écosystèmes en périphérie du Parc national de Nouabalé-Ndoki	SEFCA	Société d'Exploitation forestière centrafricaine
PS	Special Permit	SESAM	Société d'Exploitation forestière de Sangha Mbaéré
PSC	Harvesting Special Permit	SETRAF	Société d'Études et des Travaux forestiers
PSFE	Forest Environment Sectoral Program	SFCS/TTS	Société forestière de Commerce et de Service/ Transformation tropicale du Sud
PTY	Propriety	SFID	Société forestière et industrielle de la Doumé
PWS	payment for watershed services	SGS	Société générale de Surveillance
R/S	Root/shoot Ratios		
RAPAC	Network of Protected Areas of Central Africa		

SI	Smithsonian Institute	UNESCO	United Nations Educational, Scientific and Cultural Organization
SIBAF	Société industrielle des Bois Africains		
SICOBOIS	Société industrielle congolaise de Bois	UNFCCC	UN Framework Convention on Climate Change
SIFORCO	Société industrielle et forestière du Congo		
SLS	Salonga-Lukenie-Sankuru	UNFPA	United Nations Population Funds
SNBG	Société nationale des Bois du Gabon	UNGE	Universidad Nacional de Guinea Ecuatorial
SNP	Salonga National Park	UNHCR	United Nations High Commission for Refugees
SNR	National Reforestation Service	UNPP	United Nations Population Prospects
SNV	Netherlands Development Organisation	UPARA	Unité pilote d'Afforestation, de Reboisement et d'Aménagement
SOC	Soil Organic Carbon		
SODECAO	Société de Développement du Cacao	UPF	Urban and peri-Urbain Forestry
SODEFOR	Société de Développement forestière	US	United States
SOF	State of the Forest	USA	United States of America
SOFIL	Société forestière et industrielle de Lé Boulou	USAID	United States Agency for International Development
SOFORMA	Société forestière du Mayumbe	USFS	United States Forest Service
SOTER	Soil and Terrain (Database)	USFWS	United States Fish and Wildlife Service
SPIAF	Service permanent d'Inventaire et d'Aménagement Forestier	USGS	United States Geological Survey
SRTM	Shuttle Radar Topography Mission	USLAB	Surveillance and Anti-Poaching Units
STBK	Société de Transformation de Bois de la Kadey	USTM	Université des Sciences et Techniques de Masuku
TAF	The Aspinal Foundation	VMA	Maximum Annual Volume
TCA	Thanry Centrafrique	VPA	Voluntary Partnership Agreements
TCCB	Tayna Center for Conservation Biology	WCBR	Wamba Committee for Bonobo Research
TED	Turtle Excluding Device	WCMC	World Conservation Monitoring Center
TEREA	Terre Environnement Aménagement	WCS	Wildlife Conservation Society
TFAP	Tropical Forestry Action Plan	WD	Wildlife Direct
TL2	Tshuapa-Lomami-Lualaba	Westcor	Western Power Corridor
TLTV	Timber Legality and Traceability Verification	WFC	World Fish Center
TM	Thematic Mapper	WRI	World Resource Institute
TMC	Technical Management Committee	WWF	World Wildlife Fund for Nature
TNS	Sangha Tri-National	ZIC	Zone d'Intérêt cynégétique
TOE	Tonnes of Oil Equivalent	ZICA	Zone d'intérêt cynégétique amodiée
TRABEC	Transformation des Bois exotiques du Congo	ZICGC	Zone d'intérêt cynégétique à gestion communautaire
TRC	Transformation REEF Cameroun		
TSR	Total Sub-Region	ZSL	Zoological Society of London
UAM	Universidad Autónoma de Madrid	ZSM	Zoological Society of Milwaukee
UCL	Université catholique de Louvain		
UFA	Unité forestière d'aménagement		
UGADEC	Union des associations de conservation des gorilles pour le développement communautaire		
UMD	University of Maryland		
UNDP	United Nation Development Programme		
UNEP	United Nation Environment Programme		

ANNEXES

Annex 1: Data for Cameroon

Contribution of the forestry sector to the national economy

Economic data	Value	Year
Contribution to GDP (%)	6.00	2004
Contribution to tax revenues (%)		
Direct employments (N)	13,000	2006
Indirect employments (N)	150,000	2006

Log production in 2006: 2,296,254 m³

Main species harvested in the formal sector in 2006

Species	Volume harvested (m ³)	%
Ayous/Obéché	799,820	34.84
Sapelli	377,142	16.43
Tali	159,788	6.96
Azobé/Bongossi	117,265	5.11
Iroko	89,658	3.90
Okan/Adoum	87,762	3.82
Fraké/Limba	86,449	3.77
Movingui	50,870	2.22
Kossipo/Kosipo	45,367	1.98
Padouk	45,252	1.97
Total others species (11 to 120)	436,635	19.02
Total	2,296,008	100.00

Production by type of logging title (m³)

Type	2005	2006
Timber recovery permit (timber salvage authorization and timber removal authorization)	141,743	154,830
Timber concession	1,683,045	1,866,228
Sales of standing volume	157,336	275,195
Total	1,982,124	2,296,253

Production of the 10 most important companies (m³)

Company	2005	2006
GRUMCAM	N/A	105,893
PALLISCO	67,742	97,943
STBK	N/A	93,386
CFC	71,744	91,767
CUF	N/A	85,436
SEFAC	99,918	84,972
GWZ	90,744	71,857
CIBC	N/A	66,757
SIBAF	64,535	65,848
SFID	79,634	65,194
ALPICAM	75,183	N/A
CAMBOIS	102,119	N/A
Ing F	81,057	N/A
PLACAM	61,172	N/A
Total	793,848	829,053

N/A: Not available

Processed products (m³)

Product type	2005	2006	2007
Plywood	23,000	18,000	22,000
Veneer	63,000	57,000	64,286
Sawn wood	660,000	601,000	613,000
Planed sawn wood	4,980	4,290	3,204
Others			64,000
Total	750,980	680,290	766,490

Exports by type of products (m³)

Products	2005	2006	2007
Plywood	23,000	18,000	22,000
Logs	146,000	316,000	266,000
Veneer	63,000	57,000	64,286
Sawn wood	660,000	601,000	613,000
Planed sawn wood	4,980	4,290	3,204
Total	896,980	996,290	968,490

Export destinations (m³)

Region	2006	2007
Africa (excluding COMIFAC countries)	43,384	50,518
North America	19,435	26,906
Asia	277,956	215,503
Other destinations	19,530	34,609
COMIFAC countries	3,804	8,184
European Union	632,020	632,690
Total	996,129	968,410

Management of forest concessions

Management status	Number	Area (ha)	Year
Annual cutting range (total)	91	247,758	2007
Under definitive agreement (management plans approved)	65	4,207,862	2008
Under provisional agreement (management plan in preparation)	38	1,866,171	2008
Total concessions allocated	103	6,074,033	2008

Processing units

Type of unit	Number of units	National capacity (m ³)	Year
Sawmill	51	519,941	2007
Peeling plant	10	128,572	2007

Protected areas in 2007

Protected area type	IUCN category	Number	Total area (ha)
National park	II	15	2,682,407
Wildlife reserve	Ib	6	702,995
Zoological garden		3	8
Botanical garden	Ia	1	44
Wildlife sanctuary	III	4	94,811
Forest reserve	Ia	77	880,496
ZICGC	VI	22	1,396,382
ZIC	VI	46	4,680,193
Total		174	10,437,336

Annex 2: Data for Gabon

Contribution of the forestry sector to the national economy

Economic data	Value	Year
Contribution to GDP (%)	4.30	2007
Contribution to tax revenues (%)	1.80	2007
Direct employments (N)	12,868	2007
Indirect employments (N)		

Log production in 2005: 2,769,902 m³

Main species harvested in the formal sector in 2007

Species	Volume harvested (m ³)	%
Okoumé/Ozigo	2,144,434	64.00
Others species	1,206,244	36.00
Total	3,350,678	100.00

Production by type of logging title(m³)

Type	2007
Temporary Logging Permit	1,128,147
Others	611,565
Associated Forestry Permit	566,275
Forestry Concession under Sustainable Management	527,478
Industrial Permit	508,056
Lots Railway Development Zone Permit	9,157
Total	3,350,678

Production of the 10 most important companies (m³)

Company	2007
Rougier Gabon	390,778
<i>Compagnie équatoriale des Bois</i>	323,975
HTG	195,506
<i>Compagnie forestière des Abeilles</i>	132,023
<i>Bois et Sciages de l'Ogooué</i>	119,794
<i>Compagnie des Bois du Gabon</i>	118,930
<i>Toujours Vert</i>	107,747
GEB	87,308
<i>Exploitation gabonaise des Grumes</i>	82,681
Cora Wood	78,896
Total	1,637,638

Processed products (m³)

Product type	2005	2006	2007
Plywood	81,922	32,900	84,795
Peeled veneer	237,501	180,717	180,516
Sliced veneer	2,856		1,285
Sawn wood	200,151	200,239	296,406
Total	522,430	413,856	563,002

Exports by type of products (m³)

Products	2005	2006	2007
Plywood	67,177	29,906	58,439
Logs	1,586,228	1,768,080	1,938,079
Peeled veneer	121,899	194,150	163,048
Sliced veneer	2,256	1,582	1,347
Sawn wood	152,724	164,537	253,227
Total	1,930,283	2,158,255	2,414,139

Management of forest concessions

Management status	Number	Area (ha)	Year
Annual cutting range (total)	12	74,392	2007
Under definitive agreement (management plans approved)	10	3,025,173	2007
Under provisional agreement (management plan in preparation)	33	6,018,597	2007
Total concessions allocated	10	3,025,173	2007

Processing units

Type of unit	Number of units	National capacity (m ³)	Year
Industrial sawmill	60	1,013,487	2007
Plywood plant	4	236,000	2007
Peeling plant	12	673,600	2007
Slicing plant	1	10,000	2007

Protected areas in 2007

Protected area type	IUCN category	Number	Total area (ha)
National park	II	13	2,191,367.37
Hunting zone		2	220,000
Wildlife reserve		1	20,000
Arboretum		1	
Total		17	2,431,367.37

Annex 3: Data for Equatorial Guinea

Contribution of the forestry sector to the national economy

Economic data	Value	Year
Contribution to GDP (%)	0.22	2007
Contribution to tax revenues (%)	0.20	2007
Direct employments (N)	2,000	2006
Indirect employments (N)		

Log production in 2007: 524,799 m³

Main species harvested in the formal sector in 2007

Species	Volume harvested (m ³)	%
Okoume	247,133	48.04
Dabema	57,541	11.19
Okan	33,020	6.42
Ilomba	31,313	6.09
Azobe	28,387	5.52
Tali	22,212	4.32
Padouk	17,878	3.48
Sapelli	15,005	2.92
Kosipo	8,189	1.59
Eyong	5,693	1.11
Total others species (11 to ...)	48,055	9.34
Total	514,424	100.00

Production by type of logging title (m³)

Type	2007
Community forest	84,262
Rental contract for logging	420,074
Timber concession	20,462
Total	524,799

Production of the 10 most important companies (m³)

Company	2005	2006	2007
Shimmer Internacional	216,466	286,702	309,369
Sofmal	64,226	63,188	102,628
Rio Muni Timberland	N/A	7,856	32,036
Comali	N/A	20,357	31,838
Chilbo	13,494	15,755	23,457
Sinosa	15,848	4,153	12,541
Sijifo	N/A	2,913	9,991
ATO	6,000	3,089	1,816
Matroguisa	505	1,782	1,123
SAFI	N/A	187	N/A
Total	316,540	405,983	524,799

N/A: Not available

Processed products (m³)

Product type	2005	2006	2007
Plywood			293
Sliced veneer	29,331	25,989	27,644
Sawn wood		1,432	784
Total	29,331	27,421	28,721

Exports by type of products (m³)

Products	2005	2006	2007
Logs	384,946	450,061	547,299
Sliced veneer	33,068	31,819	31,101
Sawn wood	954	403	600
Total	418,968	482,283	579,000

Management of forest concessions

Management status	Number	Area (ha)	Year
Under provisional agreement (management plan in preparation)	1	50,000	1998

Processing units

Type of unit	Number of units	National Capacity (m ³)	Year
Sawmill	1		2007
Slicing plant	4	27,471	2006

Protected areas in 2007

Protected area type	IUCN category	Number	Total area (ha)
National park	II	3	303,000
Natural monument	III	2	39,000
Scientific reserve	I	2	51,500
Natural reserve	IV	6	192,500
Total		13	586,000

Annex 4: Data for the Central African Republic

Contribution of the forestry sector to the national economy

Economic data	Value	year
Contribution to GDP (%)	6.30	2007
Contribution to tax revenues (%)		
Direct employments (N)		
Indirect employments (N)		

Log production in 2007: 537,998 m³

Main species harvested in the formal sector in 2007

Species	Volume harvested (m ³)	%
Sapelli	295,954	55.01
Ayous	81,279	15.11
Longhi aniégré	34,506	6.41
Kossipo	24,033	4.47
Iroko	22,458	4.17
Sipo	21,098	3.92
Tiama	14,561	2.71
Various red wood	11,110	2.07
Dibétou Bibolo	8,390	1.56
Padouk	6,195	1.15
Bossé	5,122	0.95
Doussier	3,059	0.57
Acajou	1,926	0.36
Paorosa	1,107	0.21
Bété	840	0.16
Total others species (16 to 34)	6,360	1.18
Total	537,998	100.00

Production by type of logging title (m³)

Type	2005	2006	2007
Exploitation and Management Permit	454,402	617,578	526,122
Harvesting Special Permit		7,283	11,875
Total	454,402	624,861	537,998

Main species harvested in the formal sector in 2007

Species	Volume harvested (m ³)	%
Sapelli	295,954	55.01
Ayous	81,279	15.11
Longhi aniégré	34,506	6.41
Kossipo	24,033	4.47
Iroko	22,458	4.17
Sipo	21,098	3.92
Tiama	14,561	2.71
Various red wood	11,110	2.07
Dibétou Bibolo	8,390	1.56
Padouk	6,195	1.15
Bossé	5,122	0.95
Doussier	3,059	0.57
Acajou	1,926	0.36
Paorosa	1,107	0.21
Bété	840	0.16
Total others species (16 to 34)	6,360	1.18
Total	537,998	100.00

Production of the 10 most important companies in 2007

Company	2005	2006	2007
SEFCA	131,493	222,351	177,377
VICA	76,922	120,540	88,595
IFB (Batalimo, Ngotto et Léssé)	67,429	87,489	85,415
SCAF	36,339	44,153	72,552
Thanry	16,665	32,411	54,547
SCAD	56,003	69,746	47,637
SEBOCA	N/A	7,283	11,875
SEFACA	4,229	N/A	N/A
SESAM	8,688	N/A	N/A
SOFOKAD	56,635	40,888	N/A
Total	454,402	624,861	537,998

N/A: Not available

Processed products (m³)

Product	2005	2006	2007
Plywood	1,434	805	740
Logs	454,402	624,861	537,998
Peeled veneer	4,686	6,293	4,300
Sawn wood	71,386	84,304	97,001
Total	531,909	716,263	640,039

Exports by type of products (m³)

Product	2005	2006	2007
Plywood	5	475	513
Logs	145,912	192,259	193,213
Peeled veneer	4,686	6,293	4,300
Sawn wood	52,940	70,779	76,042
Total	203,543	269,806	274,068

Management of forest concessions

Management status	Number	Area (ha)	Year
Under definitive agreement (management plans approved)	8	1,739,055	2008
Under provisional agreement (management plan in preparation)	3	582,789	2008
Total concessions allocated	11	221,844	2008

Processing units

Type of unit	Number of units	National capacity (m ³)	Year
Sawmill	7	500,000	2007
Slicing plant	2		

Annex 5: Data for the Republic of Congo

Contribution of the forestry sector to the national economy

Economic data	Value	year
Contribution to GDP (%)	5.60	2006
Contribution to tax revenues (%)	2.68	2007
Direct employments (N)	7,424	2007
Indirect employments (N)	14,848	2007

Log production in 2006: 1,330,980 m³

Main timber species harvested in the formal sector in 2007

Species	Volume harvested (m ³)	%
Sapelli	575,591	43.87
Okoumé	295,221	22.50
Sipo	80,076	6.10
Bossé	45,146	3.44
Kossipo	29,641	2.26
Wengué	25,862	1.97
Acajou	24,633	1.88
Iroko	16,983	1.29
Moabi	5,167	0.39
Aniégré	2,199	0.17
Total others species (11 à ...)	211,386	16.11
Total	1,311,905	100.00

Production by type of logging title (m³)

Type	2005	2006	2007
Management and processing conventions	1,300,209	1,264,267	915,624
Industrial processing convention	36,617	58,055	50,776
Total	1,336,826	1,322,322	966,400

Production of the 10 most important companies in 2007

Company	2005	2006	2007
Congolaise industrielles des Bois	341,681	359,546	374,510
Congolaise industrielle des Bois du Niari	170,330	154,522	188,459
Industrie Forestière de Ouesso	175,648	163	163,639
Mokabi S.A.	74,043	98,848	126,099
Likouala Timber	165,728	67,124	94,618
Société Thanry Congo	20,319	42,247	57,231
Taman Industrie	78,239	167,703	53,715
Bois et Placages de Lopola	45,574	48,636	53,403
FORALAC	57,086	41,139	32,337
Industrie de Transformation des Bois de la Likouala	37,045	35,386	19,892
Total	1,165,693	1,015,314	1,163,903

Processed products (m³)

Products	2005	2006	2007
Sawn wood	219,932	258,679	212,719
Plywood	6,390	7,456	8,665
Peeled veneer	14,376	2,224	44,826
Others		173,136	259,948
Total	240,698	441,495	526,158

Exports by type of products (m³)

Products	2005	2006	2007
Plywood	1,974	2,980	1,755
Logs	709,710	632,665	522,497
Sliced veneer	13,040	3,968	15,307
Sawn wood	163,075	181,365	209,122
Others	17,731	135,282	250,746
Total	905,530	956,260	999,427

Management of forest concessions

Management status	Number	Area (ha)	Year
Annual cutting range (total)	26	181,687	2007
Under definitive agreement (management plans approved)	3	1,907,843	2007
Under provisional agreement (management plan in preparation)	22	6,371,718	2008
Total concessions allocated	52	11,975,670	2007

Processing units

Type of unit	Number of units	National Capacity (m ³)	Year
Sawmill	25	1,000,000	2007
Plywood plant	4	30,000	2007
Peeling plant	6	210,000	2007

Protected areas in 2007

Protected area type	IUCN category	Number	Total area (ha)
National park	II	3	2,189,161
Wildlife reserve	V	4	87,855
Sanctuary	IV	3	280,300
Hunting reserve	VI	2	346,301
Biosphere reserve	VI	1	148,006
Community reserve	VI	1	461,815
Total		14	3,513,438

Annex 6: Data for the Democratic Republic of Congo

Contribution of the forestry sector to the national economy

Economic data	Value	Year
Contribution to GDP (%)	1.00	2003
Contribution to tax revenues (%)		
Direct employments (N)	15,000	2006
Indirect employments (N)		

Log production in 2007: 310,000 m³

Main timber species harvested in the formal sector in 2007

Species	Volume harvested (m ³)	%
Sapelli	60,914	19.65
Wenge	51,971	16.77
Afrormosia	31,138	10.05
Sipo	26,952	8.69
Tola	24,134	7.79
Iroko	24,036	7.75
Acajou	13,576	4.38
Bomanga	13,370	4.31
Tiama	10,986	3.54
Tchitola	9,385	3.03
Total others species (44)	43,514	14.04
Total	309,976	100.00

Production by type of logging title (m³)

Type	2005	2006	2007
License for cutting firewood and charcoal			
Artisanal cutting permit	49,422	60,813	24,966
Ordinary cutting permit/ACIBO	409,425	620,951	309,976
Private woodlots exploitation permit			
Special cutting permit			
Total	458,847	681,764	334,942

Production of the 10 most important companies (m³)

Company	2005	2006	2007
SIFORCO	37,709	69,005	65,740
SODEFOR	N/A	N/A	48,699
TRANS M	7,288	17,816	48,442
ITB	2,294	12,013	36,259
SEDAF	20,591	24,358	18,794
FORABOLA	3,591	11,700	17,184
SAFBOIS	9,922	N/A	14,643
SOFORMA	1,470	7,004	14,417
Bimpe Agro	N/A	N/A	13,794
SICOBOIS	N/A	N/A	8,063
CFT	1,092	2,114	N/A
Compagnie de Bois	1,343	N/A	N/A
RIBACONGO	N/A	1,924	N/A
SAFO	7,179	N/A	N/A
SAFO-K	N/A	2,684	N/A
SOEXFORCO	N/A	4,313	N/A
Total	92,478	152,931	286,034

N/A: Not available

Exports by type of products (m³)

Products	2005	2006	2007
Plywood		5,525	6,762
Logs	111,243	150,883	208,087
Sliced veneer	1,171	2,549	1,392
Sawn wood	25,704	26,192	30,382
Planed sawn wood	5,134	891	1,152
Others	785	890,748	1,152
Total	144,037	1,076,788	248,927

Management of forest concessions

Management status	Number	Area (ha)	Year
Forests already classified	28	22,653,178	2006
Under provisional agreement (management plan in preparation)	46	6,590,628	2007
Total concessions allocated	156	22,200,962	2006

Protected areas in 2007

Protected area type	IUCN category	Number	Total area (ha)
National park	II	7	8,240,000
Hunting zone		24	
Natural reserve		11	
Wildlife reserve		2	2,372,626
Biosphere reserve		3	
Forestry reserve		5	
Scientific reserve		1	
Total		53	10,612,626

Annex 7: Plot-based aboveground biomass estimates

Country	Land use type	AGBM	AGB trees	AGB other	BGB root	Litter	Source
Cameroon (south)	Chromolaena fallow 2-3 years	69	54	15	16		Kanmegne, 2004
Cameroon (south)	Chromolaena fallow 4 years	6					Palm <i>et al.</i> , 2000
Cameroon (south)	Chromolaena fallow 4 years	8					Palm <i>et al.</i> , 2000
Cameroon (south)	Chromolaena fallow 4 years	9					Palm <i>et al.</i> , 2000
Cameroon (south)	Chromolaena fallow 4 years	13					Palm <i>et al.</i> , 2000
Cameroon (south)	Chromolaena fallow 4 years	15					Palm <i>et al.</i> , 2000
Cameroon (south)	Chromolaena fallow 4 years	22					Palm <i>et al.</i> , 2000
Cameroon (south)	Cocoa agroforest mature	159	158	1	45		Kanmegne 2004
Cameroon (south)	Cocoa agroforest mature	280					Palm <i>et al.</i> , 2000
Cameroon (south)	Cocoa agroforest mature	115					Palm <i>et al.</i> , 2000
Cameroon (south)	Cocoa agroforest mature	130					Palm <i>et al.</i> , 2000
Cameroon (south)	Cocoa agroforest mature	206					Palm <i>et al.</i> , 2000
Cameroon (south)	Cocoa agroforest mature	183	170	13	18	37	Sonwa, 2004
Cameroon	Crop (plantain field)	9	7	1	20		Kanmegne, 2004
Cameroon (south)	Crop (swidden)	68	67	1	13		Kanmegne, 2004
Cameroon	Crop (swidden)	46	45	1	25		Kanmegne, 2004
Dem. Republic of Congo	Evergreen monodominant Limbali		525				Makana (unpublished data 2008)
Cameroon	Evergreen rainforest	310					CTFT, 1969 in Brown, 1997
Côte d'Ivoire	Evergreen rainforest	510					Huttel and Bernhard-Reversat, 1975
Côte d'Ivoire	Evergreen rainforest	470					Huttel and Bernhard-Reversat, 1975
Côte d'Ivoire	Evergreen rainforest	450					Huttel, 1969 in Jaffré <i>et al.</i> , 1983
Cameroon	Evergreen rainforest	582	581	1	10	4	Ibrahima <i>et al.</i> , 2002
Cameroon	Evergreen rainforest logged	541	540	1	11	3	Ibrahima <i>et al.</i> , 2002
Cameroon (south)	Fallow 25 years	274					Palm <i>et al.</i> , 2000
Côte d'Ivoire	Fallow 10 years	62	56	6			Jaffré <i>et al.</i> , 1983
Cameroon (south)	Fallow 10 years	77					Palm <i>et al.</i> , 2000
Cameroon (south)	Fallow 11 years	190					Palm <i>et al.</i> , 2000
Côte d'Ivoire	Fallow 14 months	9	6	3	9	5	Jaffré <i>et al.</i> , 1983
Côte d'Ivoire	Fallow 15 years	78	67	11			Jaffré <i>et al.</i> , 1983
Cameroon (south)	Fallow 15 years	210					Palm <i>et al.</i> , 2000
Cameroon (south)	Fallow 15 years	270					Palm <i>et al.</i> , 2000
Cameroon (south)	Fallow 15 years	300					Palm <i>et al.</i> , 2000
Côte d'Ivoire	Fallow 2 years	15	12	2	9	7	Jaffré <i>et al.</i> , 1983
Cameroon (south)	Fallow 20 years	223					Palm <i>et al.</i> , 2000
Cameroon (south)	Fallow 20 years	230					Palm <i>et al.</i> , 2000
Côte d'Ivoire	Fallow 4 years	22	19	3	14	7	Jaffré <i>et al.</i> , 1983
Côte d'Ivoire	Fallow 6.5 years	38	29	10	26	5	Jaffré <i>et al.</i> , 1983
Cameroon	Fallow 8-10 years	96	90	6	23		Kanmegne, 2004
Cameroon (south)	Fallow 9 years	131					Palm <i>et al.</i> , 2000
Cameroon (south)	Fallow 9 years	140					Palm <i>et al.</i> , 2000
Cameroon (south)	Fallow 9 years	143					Palm <i>et al.</i> , 2000
Cameroon (south)	Fallow 9 years	243					Palm <i>et al.</i> , 2000
Dem. Republic of Congo	Fallow regrowth 17-18	152			31		Bartholomew <i>et al.</i> , 1953 in Jaffré <i>et al.</i> , 1983

Country	Land use type	AGBM	AGB trees	AGB other	BGB root	Litter	Source
Dem. Republic of Congo	Fallow regrowth 5	102			26		Bartholomew <i>et al.</i> , 1953 in Jaffré <i>et al.</i> , 1983
Dem. Republic of Congo	Fallow regrowth 8	144			23		Bartholomew <i>et al.</i> , 1953 in Jaffré <i>et al.</i> , 1983
Côte d'Ivoire	Guinean savanna 120 trees/ha		7.5				Abbadie <i>et al.</i> , 2006
Côte d'Ivoire	Guinean savanna 160 trees/ha		22				Abbadie <i>et al.</i> , 2006
Côte d'Ivoire	Guinean savanna 300 trees/ha		33				Abbadie <i>et al.</i> , 2006
Côte d'Ivoire	Guinean savanna 800 trees/ha		55				Abbadie <i>et al.</i> , 2006
Zambia	Miombo dry		85				Chidumayo, 1981
Zambia	Miombo dry		76				Chidumayo, 1981
Zambia	Miombo dry		91				Chidumayo, 1981
Zambia	Miombo dry		79				Chidumayo, 1981
Zambia	Miombo dry		81				Chidumayo, 1981
Zambia	Miombo dry	71	70	1	39		Chidumayo, 1993
Zambia	Miombo dry		28				Chidumayo, 2002
Zambia	Miombo dry		19				Chidumayo, 2002
Zambia	Miombo dry		5				Chidumayo, 2002
Zambia	Miombo dry		26				Chidumayo, 2002
Zimbabwe	Miombo dry	44	42	1		3	Frost, 1996
Zimbabwe	Miombo dry		23				Guy, 1981
Zimbabwe (Zambezian domain)	Miombo dry	56	55	1			Desanker <i>et al.</i> , 1997
Tanzania	Miombo dry		37				Luoga <i>et al.</i> , 2002
Tanzania	Miombo dry		14				Luoga <i>et al.</i> , 2002
Tanzania	Miombo dry		26				Malimbwi <i>et al.</i> , 1994
Zimbabwe	Miombo dry		22				Martin, 1974
Zimbabwe	Miombo dry	39	38	0			Ward and Cleghorn, 1964
Mozambique	Miombo dry		38				Williams <i>et al.</i> , 2008
Mozambique	Miombo dry		31				Williams <i>et al.</i> , 2008
Zambia	Miombo wet		93				Chidumayo, 1987; 1990
Zambia	Miombo wet		47				Endean, 1968
Dem. Republic of Congo	Miombo wet		144				Freson <i>et al.</i> , 1974; Malaisse <i>et al.</i> , 1975
Zambezian domain	Miombo wet	92	90	2			Desanker <i>et al.</i> , 1997
Dem. Republic of Congo	Miombo wet		66				Malaisse, <i>et al.</i> , 1975
Ghana	Moist deciduous forest	395					Alder, 1982 in Brown, 1997
Cameroun	Moist deciduous forest	312					Brown <i>et al.</i> , 1989
Dem. Republic of Congo	Moist deciduous forest	375	375				Makana (unpublished data 2008)
Cameroon (south)	Moist deciduous forest (logged)	409					Palm <i>et al.</i> , 2000
Cameroon (south)	Moist deciduous forest (logged)	437					Palm <i>et al.</i> , 2000
Cameroon (south)	Moist deciduous forest (logged)	510					Palm <i>et al.</i> , 2000
Cameroon (south)	Moist deciduous forest (logged)	528					Palm <i>et al.</i> , 2000
Cameroon (south)	Moist deciduous forest (logged)	536					Palm <i>et al.</i> , 2000
Côte d'Ivoire	Oil palm 15 years		50				Jaffré <i>et al.</i> , 1983
Côte d'Ivoire	Oil palm 21 years		50				Jaffré <i>et al.</i> , 1983
Côte d'Ivoire	Oil palm 3 years		8				Jaffré <i>et al.</i> , 1983

Country	Land use type	AGBM	AGB trees	AGB other	BGB root	Litter	Source
Côte d'Ivoire	Oil palm 4 years		11				Jaffré <i>et al.</i> , 1983
Côte d'Ivoire	Oil palm 7 years		24				Jaffré <i>et al.</i> , 1983
Côte d'Ivoire	Oil palm 9 years		34				Jaffré <i>et al.</i> , 1983
Côte d'Ivoire	Secondary forest 40 years	230	224	6			Jaffré <i>et al.</i> , 1983
Ghana	Secondary forest old	236			54		Nye and Greenland, 1998
Cameroon	Secondary forest mature	380	376	4	45		Kanmegne, 2004

AGBM: Total aboveground biomass (Mg/ha); AGB trees: Aboveground biomass tree (Mg/ha); AGB other: Aboveground biomass tree (Mg/ha); BGB root: Below ground biomass other than trees (Mg/ha); Litter: Litter biomass (Mg/ha)

Annex 8: Carbon stock estimates (aboveground and belowground vegetation) from forest inventory data

Forest Types	Country	Surveyed area	Regression (tC/ha)	IPCC (tC/ha)
Young secondary forest from recolonization including savanna (Sangha river interval)	Congo	30	143	133
Young secondary forest resulting from the recolonization of savannas	Cameroon	284	128	128
Young secondary forest resulting from the recolonization of forest burned in the 70s (Sangha river interval)	Congo	101	99	156
Regrowth in savannas, <i>Aucoumea klaineana</i> , plateau formation (Upper Ogooué)	Gabon	287	157	144
<i>Aucoumea klaineana</i> young forest	Gabon	1,867	178	159
<i>Marantaceae</i> and <i>zingiberaceae</i> forest	Congo	843	83	135
Degraded forest	Congo	159	118	148
<i>Millettia laurentii</i> dense forest	Congo, DRC	1,643	108	179
<i>Strombosiopsis tetrandra</i> dense forest	DRC	1,467	109	137
<i>Strombosia grandifolia</i> and <i>pustulata</i> dense forest	Congo, DRC	5,391	146	172
<i>Petersianthus macrocarpus</i> and <i>Uapaca guineensis</i> dense forest	DRC	1,734	137	146
<i>Triplochiton scleroxylon</i> dense forest	Cameroon	688	203	196
<i>Aucoumea klaineana</i> dense forest	Gabon	7,505	200	170
<i>Celtis mildbraedii</i> and <i>zenkeri</i> semi-deciduous dense forest	Congo	2,142	166	185
Undifferentiated semi-deciduous dense forest	Cameroon	197	166	164
<i>Manilkara spp.</i> dense forest	Congo	8,232	178	153
<i>Manilkara spp.</i> and <i>Entandrophragma cylindricum</i> dense forest	Congo	1,685	174	204
Undifferentiated dense forest	Congo, Cameroon	1,076	166	178
<i>Drypetes spp.</i> dense forest	DRC	1,122	144	169
<i>Gilbertiodendron dewevrei</i> or <i>Brachystegia laurentii</i> dense forest	Congo, DRC, Cameroon	2,766	153	163
Swamp forests	Congo, DRC, Cameroon, Gabon	2,363	111	136
Dense forest on steep slope	Gabon	328	227	198

Source: Bayol, N. et al., 2008.

Annex 9: Carbon stock estimates using GIS modeling

Region	Forest type	TBM	TAGB	Source	Range
Tropical Africa	Lowland moist		299	Brown, 1997	
Tropical Africa	Lowland seasonal		141	Brown, 1997	
Tropical Africa	Lowland dry		60	Brown, 1997	
Tropical Africa	Lowland very dry		20	Brown, 1997	
Tropical Africa	Montane moist		105	Brown, 1997	
Tropical Africa	Montane seasonal		37	Brown, 1997	
Tropical Africa	Lowland moist	178		Gaston <i>et al.</i> , 1998	
Tropical Africa	Lowland seasonal	91		Gaston <i>et al.</i> , 1998	
Tropical Africa	Lowland dry	49		Gaston <i>et al.</i> , 1998	
Tropical Africa	Lowland very dry	17		Gaston <i>et al.</i> , 1998	
Tropical Africa	Montane moist	68		Gaston <i>et al.</i> , 1998	
Tropical Africa	Montane seasonal	25		Gaston <i>et al.</i> , 1998	
Tropical Africa	Tropical rainforest		310	IPCC, 2006	130-510
Tropical Africa	Tropical moist deciduous forest		260	IPCC, 2006	160-430
Tropical Africa	Tropical dry forest		120	IPCC, 2006	120-130
Tropical Africa	Tropical shrubland		70	IPCC, 2006	20-200
Tropical Africa	Tropical mountain			IPCC, 2006	40-190
Tropical Africa	Tropical equatorial forest	211		Gibbs and Brown, 2007	
Tropical Africa	Tropical seasonal forest	81		Gibbs and Brown, 2007	
Tropical Africa	Tropical dry forest	36		Gibbs and Brown, 2007	

TBM: Total biomass (Mg/ha); TAGB: Total aboveground biomass (Mg/ha)

Annex 10: Plot-based soil organic carbon estimates

Land use	Age	SOC	Source
Crop	1	56	Palm <i>et al.</i> , 2000
Crop	1	41	Palm <i>et al.</i> , 2000
Crop	1	18	Palm <i>et al.</i> , 2000
Crop	1	23	Palm <i>et al.</i> , 2000
Crop	1	38	Palm <i>et al.</i> , 2000
Fallow	1	72	Jaffré <i>et al.</i> , 1983
Fallow	2	89	Jaffré <i>et al.</i> , 1983
Fallow (chromolaena)	4	21	Palm <i>et al.</i> , 2000
Fallow (chromolaena)	4	43	Palm <i>et al.</i> , 2000
Fallow (chromolaena)	4	31	Palm <i>et al.</i> , 2000
Fallow (chromolaena)	4	30	Palm <i>et al.</i> , 2000
Fallow (chromolaena)	4	52	Palm <i>et al.</i> , 2000
Fallow (chromolaena)	4	58	Palm <i>et al.</i> , 2000
Humid forest fallow	4	82	Jaffré <i>et al.</i> , 1983
Humid forest fallow	7	88	Jaffré <i>et al.</i> , 1983
Humid forest fallow	9	30	Palm <i>et al.</i> , 2000
Humid forest fallow	9	36	Palm <i>et al.</i> , 2000
Humid forest fallow	9	40	Palm <i>et al.</i> , 2000
Humid forest fallow	9	37	Palm <i>et al.</i> , 2000
Humid forest fallow	10	55	Palm <i>et al.</i> , 2000
Humid forest fallow	11	40	Palm <i>et al.</i> , 2000
Humid forest fallow	15	36	Palm <i>et al.</i> , 2000
Humid forest fallow	15	45	Palm <i>et al.</i> , 2000
Humid forest fallow	15	61	Palm <i>et al.</i> , 2000
Humid forest fallow	15	79	Jaffré <i>et al.</i> , 1983
Humid forest fallow	20	48	Palm <i>et al.</i> , 2000
Humid forest fallow	20	32	Palm <i>et al.</i> , 2000
Humid forest fallow	22	51	Palm <i>et al.</i> , 2000
Humid forest fallow	25	33	Palm <i>et al.</i> , 2000
Cocoa agroforest	25	50	Palm <i>et al.</i> , 2000
Cocoa agroforest	25	53	Palm <i>et al.</i> , 2000
Cocoa agroforest	25	33	Palm <i>et al.</i> , 2000
Cocoa agroforest	25	40	Palm <i>et al.</i> , 2000
Cocoa agroforest	25	42	Palm <i>et al.</i> , 2000
Cocoa agroforest	25	37	Sonwa, 2004
Logged forest		37	Palm <i>et al.</i> , 2000
Logged forest		46	Palm <i>et al.</i> , 2000
Logged forest		38	Palm <i>et al.</i> , 2000
Logged forest		57	Palm <i>et al.</i> , 2000
Logged forest		49	Palm <i>et al.</i> , 2000
Mature forest		75	Jaffré <i>et al.</i> , 1983
Mature forest		64	Jaffré <i>et al.</i> , 1983

