

PES project directory

Payments for ecosystem services, or PES, projects are designed to provide incentives for people and organisations to protect environmental services in an area. This page contains a directory of PES projects that have involved working with smallholders in tropical forest countries to protect watersheds, conserve biodiversity and minimise deforestation. This type of PES project is of particular interest to SHARP partners and other organisations and experts working with smallholders. Scroll below to find projects in three regions:

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- [Asia](#)
- [Africa](#)

Details compiled from sources; check links for up-to-date information. For corrections or additions, email info@sharp-partnership.org.

Latin America

AIJ Pilot Project and CNFL Project	
Location	Costa Rica
Year launched	1990s
Description	Reforestation and forest conservation for improvement of hydrological resources.
Payees	Landowners (many not dependent on land for livelihood)
Payer	National Power and Light Company (CNFL); Government of Norway, which purchases certifiable tradable offsets
Compensation	Cash payments
Implementer	Costa Rican Joint Implementation Office (OCIC)
Spatial scope	4,000 ha (1,000 for reforestation, 2,000 for conservation of existing forest)
Links	www.watershedconnect.com/programs/

Bolsa Floresta

Location	Juma Sustainable Development Reserve, Brazil
Year launched	2006
Objective	Deforestation prevention in Amazon Basin
Payees	Smallholder communities
Payer(s)	Public
Compensation	Monthly cash payments to families; annual cash payments to communities
Lead implementer	Amazonas Sustainable Foundation (Fundação Amazonas Sustentável) in partnership with the State Secretariat of the Environment and Sustainable of Amazonas (Secretaria de Estado do Meio Ambiente e Desenvolvimento Sustentável do Amazonas) with technical assistance from the Institute for Conservation and Sustainable Development of Amazonas (Instituto de Conservação e Desenvolvimento Sustentável do Amazonas)
Spatial scope	329,483 ha
Links	http://pubs.iied.org/pdfs/13555IIED.pdf

Empresa de Servicios Públicos de Heredia (ESPH)

Location	Costa Rica
Year launched	1997
Description	Watershed management through reforestation and regeneration, pioneered by water utility ESPH
Payees	Landowners
Payer	City of Heredia water users pay a tariff to ESPH
Compensation	Cash payments disbursed in instalments to landowners under contract
Implementer	Authority for Public Services
Spatial scope	Unknown
Links	www.watershedconnect.com/documents http://bacyasociados.com

Noel Kempff Mercado Climate Action Project

Location	Bolivia
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Year launched	1996/97
Description	Reforestation and regeneration of an area in a national park degraded by former logging activities, slated for future logging or predicted to be deforested. Long-term (30-year) programme
Payees	Indigenous communities inside the national park and on the periphery
Payer	Funds from The Nature Conservancy, American Electric Power, PacifiCorp and BP America
Compensation	Economic development initiatives and community-based benefits
Implementer	Fundación Amigos de la Naturaleza
Spatial scope	642,184 ha
Links	http://pubs.iied.org/pdfs/13555IIED.pdf www.conservationgateway.org www.cifor.org www.greenpeace.org www.redd-monitor.org/2009/10/22/carbon-scam-the-noel-kempff-project-in-bolivia/

Payments for Hydrological Services (PSA-H)

Location	Mexico
Year launched	2003
Description	Secure water flow and water quality while conserving natural forests under the greatest threat
Payees	Individual landowners and communities (<i>ejidos</i>)
Payer	Federal water users pay charges
Compensation	Cash payment per hectare (after it has been verified that there is no breach of contract), up to 200 ha per individual and up to 3,000 ha per <i>ejido</i>
Implementer	Funds are managed by CONAFOR (Comisión Nacional Forestal) of the State Forestry Commission
Spatial scope	Nationwide
Links	www.oecd.org/env/cc/38523758.pdf http://pubs.iied.org/pdfs/13555IIED.pdf ftp://ftp.fao.org/es/ESA/Roa/pdf/aug05-env_mexico.pdf

Pimampiro

Location	Ecuador
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Year launched	2002
Description	Maintain water supply and quantity by conserving forest at the headwater of municipal supply. Five-year contracts for participating families
Payees	Private landowners
Payer	Inter-American Foundation (IAF); FAO community forest project; municipality pays 20% more for water supply
Compensation	Cash payment to family, calculated per hectare
Implementer	Corporation for the Development of Natural Resources (CEDRENA)
Spatial scope	390 ha
Links	http://pubs.iied.org/pdfs/13555IIED.pdf www.cbd.int/financial/pes/ecuador-pesdecen.pdf

PROFAFOR

Location	Ecuador
Year launched	1993
Description	Carbon sequestration through reforestation and afforestation
Payees	Landowners
Payer	PROFAFOR – an Ecuadorian company acting in extension of the Forests Absorbing Carbon Dioxide Emissions (FACE) consortium
Compensation	Monthly cash payment to household, calculated per hectare
Implementer	PROFAFOR
Spatial scope	22,287 ha
Links	https://www.cbd.int/financial/pes/ecuador-pesdecen.pdf

Purus Project

Location	Brazil
Year launched	2011
Description	Mitigate deforestation and preserve biodiversity. Each participant family granted 100 ha for five years (initially)
Payees	Landowners

Payer	CarbonCo LLC
Compensation	Monthly cash payment to women; cash payments to community after five years; community projects
Implementer	Moura and Rosa Investments (LTDA) – an Acre, Brazil-based organisation created by the landowners; Freitas International Group LLC
Spatial scope	35,169 ha
Links	http://redd-database.iges.or.jp

Asia

Bujang Raba Community PES Project

Location	Indonesia
Year launched	2014
Description	Forest conservation for biodiversity, hydrological function and NTFPs. Community-based conservation planning
Payees	Five forest-dependent communities
Payer	Rainforest Foundation Norway
Compensation	Livelihood development activities
Implementer	Komunitas Konservasi Indonesia
Spatial scope	7,292 ha
Links	www.planvivo.org/docs/Bujang-Raba_PIN.pdf

Community Forest Ecosystem Services

Location	Indonesia
Year launched	2012
Description	Forest conservation (protection and restoration including natural regeneration)
Payees	Durian Rambun village in Jambi Province and Laman Satong village in West Kalimantan Province
Payer	Packard/CLUA; EU; USAID; ICAP; Darwin Initiative; UK-FCO

Compensation	Secure forest management rights, training, livelihoods and community projects
Implementer	Flora and Fauna International; local partners LTB (Jambi) and Yayasan Palung (West Kalimantan)
Spatial scope	Jambi Province: 4,484 ha; West Kalimantan Province: 1,070 ha
Links	www.planvivo.org/wp-content/uploads/CFES-Indonesia_PIN_published.pdf

Khulekhani Watershed

Location	Nepal
Year launched	
Description	Forest conservation and livelihood support to protect reservoir and share hydroelectricity revenue
Payees	Upstream communities in Khulekhani watershed
Payer	Makawanpur DDC; Nepal Electricity Authority; Khulekhani hydroelectricity projects
Compensation	Payment to a fund for conservation and development projects
Implementer	Rewarding Upland Poor for Environmental Services
Spatial scope	12,492 ha
Links	www.forestation.org

Lake Singkarak

Location	Indonesia
Year launched	2005
Description	Landscape rehabilitation
Payees	Nagaris (villages that adhere to the traditional system of governing of the area)
Payer	Hydropower plant
Compensation	Royalties paid to community

Implementer	Rewarding Upland Poor for Environmental Services
Spatial scope	10,780 ha
Links	http://moderncms.ecosystemmarketplace.com/ www.cifor.org/ard/documents/results/Day1_Helmi.pdf www.cifor.org/ard/documents/

Maasin Watershed

Location	Philippines
Year launched	1999
Description	Watershed protection, rehabilitation, flow regulation and siltation control by reforestation and reduced deforestation
Payees	Farmers organised into the Maasin people's federation (KAPAWA)
Payer	Japan Bank for International Cooperation; Asian Development Bank; Overseas Economic Corporation Fund (OECF) Japan
Compensation	Cash payment for labour; land tenure recognition
Implementer	Metro Iloilo Water District; Department for Environment and Natural Resources; National Economic and Development Authority; Kahublagan Sang Panimalay Foundation; Tigum-Aganan watershed management council
Spatial scope	2,685 ha
Links	www.worldagroforestry.org/sea/Publications/files/workingpaper/WP0060-05.PDF

Makiling Forest Reserve

Location	Philippines
Year launched	1996
Description	Community partnership in protection of forests
Payees	Upland communities
Payer	University of the Philippines Los Banos
Compensation	Cash payment for labour; cash payment to community groups; land tenure recognition and access rights; training

Implementer	Local government unit
Spatial scope	4,244 ha
Links	www.watershedmarkets.org/casestudies/Philippines_Makiling.html www.cbd.int/financial/pes/philippines-pespotential.pdf www.rightsandresources.org/documents/files/doc_1125.pdf

River Care

Location	Indonesia
Year launched	2006/2007
Description	A collective action programme to reduce sedimentation affecting downstream hydroelectric power company. Became more collaborative as the company realised that, as a beneficiary, it had some responsibility for maintaining the watershed and that this required collaboration with smallholder communities
Payees	Local households
Payer	ICRAF (2006–2007); IFAD (2007–2011); PLTA Way Besai (Hydropower company)
Compensation	Cash payment in return for labour and reduction in sedimentation (payments varied with the percentage of sedimentation reduction achieved by participants); community fund; land tenure security; construction of micro-hydroelectric power plant. n.b. Leimona et al. (2015a) found that compensation did not fully cover farmers' opportunity costs.
Implementer	Rewarding Upland Poor for Environmental Services (ICRAF); Community Forestry Farmers' Groups Communication Forum; University of Lampung; local Forestry Service (regular monitoring)
Spatial scope	670 ha
Links	www.fao.org www.cbd.int/financial/pes/indonesia-pesmarkets.pdf http://asia.ifad.org/ www.ifad.org/climate/regions/apr/rupes2_booklet.pdf www.eepsea.org/pub/rr/2014-RR10_Ly2_web.pdf Paper by Leimona et al. (2015a)

Sloping Lands Program

Location	China
Year launched	2000

Description	Reduce soil erosion by returning crop land on steep slopes to forest and grassland
Payees	Farmers
Payer	Central government
Compensation	In-kind payment and cash subsidies for households
Implementer	Local government
Spatial scope	15 million ha
Links	http://pubs.iied.org/pdfs/13555IIED.pdf www.pnas.org/content/108/19/7721.full.pdf www.izajom.com/content/1/1/10

Sumberjaya Forestry Project

Location	Indonesia
Year launched	2000
Description	Designed to address downstream sedimentation attributed to uncontrolled deforestation by upstream smallholders, particularly for coffee cultivation on steep slopes. Aim: to contribute to watershed health through improved coffee management practices and forest protection.
Payees	Coffee farmer groups and organisations
Payer	National government on behalf of water users; IFAD
Compensation	Land tenure security, in the form of a community forestry permit for members of farmers' organisations in return for planting at least 400 trees per hectare. Permit is five-year conditional, to be extended to 25 years if all criteria and indicators are met by participating farmers
Implementer	Rewarding Upland Poor for Environmental Services (ICRAF); West Lampung district forestry office; local NGOs YACILI and Watala
Spatial scope	11,633 ha
Links	http://pubs.iied.org/pdfs/13555IIED.pdf http://outputs.worldagroforestry.org/record/146/files/BC11072.pdf www.researchgate.net www.oired.vt.edu www.worldagroforestry.org/downloads/publications/PDFs/wp15527.pdf www.watershedmarkets.org/casestudies/Indonesia_Sumberjaya_eng.html

[Paper by Leimona et al. \(2015a\)](#)
[Paper by Leimona et al. \(2015b\)](#)

Ulu Masen Ecosystem

Location	Indonesia
Year launched	2008
Description	Reduce emissions from deforestation and forest degradation; maintain significant biodiversity values and enhance community development opportunities
Payees	Five districts adjacent to the project area
Payer	Provincial government of Aceh; Carbon Conservation Ltda
Compensation	Unknown
Implementer	Flora and Fauna International
Spatial scope	750,000 ha
Links	www.redd-monitor.org http://pubs.iied.org/pdfs/13555IIED.pdf

Africa

Chimpanzee Conservation Corridor Pilot PES Scheme

Location	Uganda
Year launched	2002
Description	Enhance biodiversity conservation
Payees	Smallholders
Payer	GEF/UNEP/NEMA (Uganda); private sector
Compensation	Annual cash payments and seedlings for farmers, calculated per hectare; community and livelihood projects
Implementer	ECOTRUST; Chimpanzee Sanctuary & Wildlife Conservation Trust; IIED; Nature Harness Initiatives; Innovation for Poverty Action
Spatial scope	1,437 ha
Links	http://povertyandconservation.info/docs/20101115-Ajarova.pdf br http://www.bioone.org/doi/abs/10.1896/052.023.0105

<http://www.natureharness.or.ug/content/albertine-forests-corridor-pes-project>
<http://www.slideshare.net/IIEDslides/session-1-3rd-presentation-paul-hatanga>
www.nemaug.org/projects_details/PES_Progress_report.pdf
www.ecosystemmarketplace.com

Community PES (C-PES) Project

Location	Cameroon
Year launched	2012
Description	Support two communities to protect forests by finding ways to integrate PES with community forest management
Payees	Two villages with community forests
Payer	UK DFID
Compensation	Annual payment to community bank accounts for civic and community activities (benefit-sharing model)
Implementer	Bioclimate Research and Development; Centre pour l'Environnement et le Développement
Spatial scope	2,801 ha
Links	www.bioclimate.net/en/reports/item/197-redd-beyond-carbon-paper www.bioclimate.net/en/policy-briefs

Forest Again Kakamega Forest

Location	Kenya
Year launched	2008/2009
Description	Reforestation
Payees	Kakamega Forest Participatory Management Committee
Payer	EU
Compensation	Livelihood activities; employment
Implementer	Kenya Wildlife Services; Kenya Forest Service
Spatial scope	Unknown

Links	https://s3.amazonaws.com/CCBA/Projects/Forest_Again_Kakamega_Forest/Forest_Again_PDD.pdf www.tropentag.de/2009/abstracts/links/Saizaki_WdjVsJBu.pdf
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Humbo Community Managed Natural Regeneration Project

Location	Ethiopia
Year launched	2004
Description	Reforestation and regeneration. Established seven forest development cooperatives
Payees	Community forestry protection and development cooperative societies
Payer	World Bank Biocarbon Fund (carbon credits); Government of Canada
Compensation	Funds disbursed to cooperatives, calculated according to emission reductions
Implementer	World Vision Ethiopia; World Vision Australia; Federal Environmental Protection Authority; Ministry of Agriculture and Rural Development; Bureau of Agriculture and Rural Development; Humbo Woreda (District) Agricultural, Rural Development and Forestry Development Coordination Office; Forest Farmers' Union
Spatial scope	2,728 ha
Links	http://fmnrhub.com.au/humbo-fifteen-years-later/ http://ccafs.cgiar.org/fr/blog/new-study-finds-african-carbon-projects-can-help-poor-farmers#.VLraSUex5yU www.slideshare.net http://www.ecoagriculture.org/documents/files/doc_422.pdf www.iiste.org/Journals/index.php/JEDS/article/view/16740 http://www.worldvision.com.au/Libraries/Forest_day_in_Durban_COP17/Humbo_MTE_report.pdf www.worldbank.org/projects/ http://r4d.dfid.gov.uk/PDF/Outputs/CCAFS/AfricanAgCarbon-CaseStudy-Humbo.pdf

Ibi Bateke

Location	Democratic Republic of Congo
Year launched	2008
Description	Grassy savannah conversion for sustainable fuelwood supply
Payees	Smallholders
Payer	UMICORE; SUEZ; AFD

Compensation	Unknown
Implementer	NOVACEL; BioCarbon Funda
Spatial scope	4,200 ha
Links	www.vub.ac.be http://pubs.iied.org/pdfs/13555IIED.pdf http://ejatlas.org/conflict/ibi-bateke-carbon-sink-plantation-drc

N'hambita Community Carbon Project

Location	Mozambique
Year launched	2003
Description	Develop forestry and land-use practices that promote sustainable rural livelihoods and generate verifiable carbon emission reductions
Payees	EnviroTrade; smallholders; community trust
Payer	Private buyers
Compensation	Up-front cash payments to farmers for seven years
Implementer	University of Edinburgh; Edinburgh Centre for Carbon Management; EnviroTrade (UK); Park Administration of the Gorongosa National Park (Mozambique)
Spatial scope	8,000 ha
Links	http://pubs.iied.org/pdfs/13555IIED.pdf www.planvivo.org http://redd-database.iges.or.jp/ www.redd-monitor.org/2013/06/18/carbon-discredited-new-report-on-envirotrades-nhambita-carbon-project-in-mozambique/ www.eeo.ed.ac.uk/miombo/RJMSc.pdf www.cifor.org/miombo/docs/Mozambiquehouseholdlivelihoods_study.pdf www.foei.org/wp-content/uploads/2014/09/The-great-REDD-gamble.pdf www.fern.org/nhambita

Ngoyla-Mintom forest block

Location	Cameroon
Year launched	2012
Description	Promote sustainable management of forest resources; conserve carbon stocks, biodiversity; introduce forest zonation; improve local governance

Payees	Four villages with community forests
Payer	EU
Compensation	Cash payments to communities
Implementer	WWF; Coopérative Agro Forestière de la Trinationale; Bioclimate (consultation)
Spatial scope	7,750 ha
Links	www.planvivo.org/wp-content/uploads/Ngoyla_Mintom-PIN-v1.0.pdf

Reforestation in Grassland

Location	Uchindile, Kilombero, and Mapanda, Mufindi, in Tanzania
Year launched	2002
Description	Permanent emission reduction, reforestation and biodiversity conservation
Payees	Local communities
Payer	Voluntary over-the-counter market
Compensation	10% of revenue of carbon credits disbursed to communities
Implementer	Green Resources Ltd
Spatial scope	10,814 ha
Links	www.forestcarbonportal.com/ http://theredddesk.org/countries/initiatives/reforestation-grassland-uchindile-kilombero-tanzania-mapanda-mufindi-tanzania www.greenresources.no

Trees for Global Benefits

Location	Uganda
Year launched	2002
Description	Afforestation
Payees	Smallholders
Payer	Credit buyers: TetraPak UK, Future Forests, INSAP, Katoomba Group, Puma, Nedbank; investors: UK DFID and USAID
Compensation	Cash payments to smallholders in five instalments over first five years
Implementer	Environmental Conservation Trust of Uganda (ECOTRUST)

Spatial scope	3,168 ha
Links	www.geos.ed.ac.uk/homes/scarter/Uganda1v2.pdf www.espa.ac.uk/publications http://r4d.dfid.gov.uk/PDF/Outputs/CCAFS/AfricanAgCarbon-CaseStudy-Ecotrust.pdf http://cotap.org/projects/tfgb-uganda/ http://cotap.org/projects/tfgb-uganda/#sthash.VrbM8v5B.dpuf
Wonegizi community-based REDD+ project	
Location	Liberia
Year launched	2013
Description	Reduce rate of forest clearance; increase sustainability of NTFP harvesting
Payees	20 Ziama Clan communities
Payer	NORAD
Compensation	Investment in local agroforestry; community projects (benefit-sharing model)
Implementer	Flora and Fauna International; Skills & Agriculture Development Services
Spatial scope	37,979 ha
Links	www.planvivo.org