

Supplementary material

Table S1 – List of the Italian participated A/R CDM projects, with reference to the project number and name, registration date, the host party and the project location, the other parties involved, the finance and management, the methodology used, the species used and the statements of the PDDs about the naturalization of non-native species (Source: data from UNFCCC database [UNFCCC 2011a], BioCF database [The World Bank Group 2015] and PDDs).

Project number and name	Registration date	Host Party and location	Other Parties involved	Finance and management	Methodology	Species		PDDs statements about naturalization of non-native species
						Native	Non-native	
Project 0547: Facilitating Reforestation for Guangxi Watershed Management in Pearl River Basin	10 Nov 06	China (Guangxi Zhuang Autonomous Region)	Canada*,Italy, Luxembourg, France,Japan, Spain	BioCF Private Sector led projects	Large scale. AR-AM0001 ver. 2 - Reforestation of degraded land	<i>Pinus massoniana, Liquidambar formosana, Cunninghamia lanceolata, Schima superba</i>	<i>Eucalyptus spp**</i>	Eucalyptus was introduced into China about 100 years ago and has been widely planted in Southern China, including in the Guangxi region, for several decades and has shown no invasive characteristics
Project 1948: Moldova Soil Conservation Project	30 Jan 09	Republic of Moldova (all the Country's district, except of Transnistria)	Canada*, Netherlands, Italy,Finland, Luxembourg, France, Sweden,United Kingdom of Great Britain and Northern Ireland, Japan, Norway,Spain	BioCF Government and Non-Profit led projects	Large scale. AR-AM0002 - Restoration of degraded lands through afforestation/reforestation	<i>Quercus robur, Fraxinus excelsior, Salix alba, Populus alba, Populus nigra, etc.</i>	<i>Robinia pseudoacacia**, Gleditschia triachantos, Sophora japonica, Elaeagnus angustifolia, Pinus nigra, etc.</i>	The long-term experience of forest management in Moldova has shown that Robinia is widely adapted to poor sites, on which other species cannot be established through cost effective means. The Robinia plantations account for more than 50% of area afforested in the country since 1950
Project 1578: Uganda Nile Basin Reforestation Project No.3	21 Aug 09	Uganda (Mbarara-Rwampara county, Isingiro-Isingiro county and Ntungamo-Ruhama county districts)	Canada*,Italy, Luxembourg, France,Japan, Spain	BioCF Government and Non-Profit led projects	Small scale. AR-AMS0001 ver. 5 - Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands	<i>Maesopsis eminii, Prunus africana</i>	<i>Pinus caribaea**</i>	<i>Pinus caribaea</i> is widely tested in Uganda and adaptable to a number of site conditions. <i>P. caribaea</i> was introduced to Uganda around 1960
Project 2712: Humbo Ethiopia Assisted Natural Regeneration Project	07 Dec 09	Ethiopia (Southern Nations Nationalities and Peoples Region –SNNPR-,	Canada*,Italy, Luxembourg, France,Japan, Spain	BioCF Government and Non-Profit led projects	Large scale. AR-AM0003 ver. 4 - Afforestation and reforestation of degraded land through tree planting, assisted natural regeneration and control of animal grazing	<i>Acacia spp., Aningeria adolfifericii, Podocarpus facutus, Olea africana, Cordia africana, Croton macrostachytus, Erthrina spp., Ficus spp, Hagenia abyssinica</i>	<i>Grevillea Robusta**, Eucalyptus globulus**</i>	The naturalized species such as <i>Grevillea robusta</i> and <i>Eucalyptus globulus</i> are also considered for planting in blocks and on the perimeter of the sites.

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						Native	Non-native	
		Wolayita zone, Humbo Woreda)						
Project 2714: Assisted Natural Regeneration of Degraded Lands in Albania	02 Jan 10	Albania (Diber, Elbasan, Korce, Kukes, Shkoder)	Canada*, Italy, Luxembourg, France, Japan, Spain	BioCF Government and Non-Profit led projects	Large scale. AR-AM0003 ver. 4 - Afforestation and reforestation of degraded land through tree planting, assisted natural regeneration and control of animal grazing	<i>Betula verrucosa</i> , <i>Cerasus avium</i> , <i>Acer spp.</i> , <i>Faraxinus excelsior</i> , <i>Juglans regia</i> , <i>Quercus cerris</i> , <i>Quercus frainetto</i> , <i>Quercus petraea</i> , <i>Castanea Sativa</i> , <i>Pinus halepensis</i> , <i>Pinus nigra</i>	<i>Robinia pseudoacacia**</i> , <i>Populus canadensis**</i>	[...]Naturalized species such as <i>Robinia pseudoacacia</i> and <i>Populus canadensis</i>
Project 2569: Reforestation as Renewable Source of Wood Supplies for Industrial Use in Brazil	21 Jul 10	Brazil (Minas Gerais)	Netherlands, Italy, Luxembourg, France, Ireland, Switzerland, Japan, Spain, Switzerland, Finland, Norway	BioCF Private Sector led projects	Large scale. AR-AM0005 - Afforestation and reforestation project activities implemented for industrial and/or commercial uses	-	Hybrid clones of <i>Eucalyptus urophylla</i> , <i>Eucalyptus grandis</i> and <i>Eucalyptus camaldulensis</i>	-
Project 3887: AES Tietê Afforestation/Reforestation Project in the State of São Paulo, Brazil	07 Jan 11	Brazil (Southeastern Region of Brazil, States of São Paulo and Minas Gerais)	Canada*, Italy, Luxembourg, France, Japan, Spain	BioCF Private Sector led projects	Large scale. AR-AM0010 ver. 4 - Afforestation and reforestation project activities implemented on unmanaged grassland in reserve/protected areas	80 to 126 native tree and shrub species. In large quantities: <i>Anadenanthera columbrina</i> , <i>Anadenanthera macrocarpa</i> , <i>Guazuma ulmifolia</i> , <i>Croton floribundus</i> , <i>Vitex montevidensis</i> , <i>Cordia trichotoma</i> , <i>Ficus guaranitica</i> , <i>Peltophorum dubium</i> , <i>Balfourodendron riedelianum</i> , <i>Cariniana estrellensis</i> , <i>Cedrela fissilis</i>	-	-
Project 4531: Improving Rural Livelihoods Through Carbon Sequestration By Adopting Environment	28 Feb 11 (Date of registration action 06 Jun 11)	India (Districts of Koraput, Kalahandi e Rayagada in Orissa; districts Visakhapatnam, Vizianagaram	Canada*, Italy, Luxembourg France, Japan, Spain	BioCF Private Sector led projects	Large scale. AR-AM0004 ver. 3 - Reforestation or afforestation of land currently under agricultural use	<i>Casuarina equisetifolia</i>	<i>Eucalyptus Clone</i> , <i>Eucalyptus Seed Route</i> , (<i>E. grandis</i> , <i>E. camaldulensis</i> , and <i>E. tereticornis</i>)	-

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Friendly Technology based Agroforestry Practices		and Srikakulam in Andhra Pradesh)						
Project 3970: Southern Nicaragua CDM Reforestation Project	07 May 11	Nicaragua (Departments of Rivas and Rio San Juan)	Canada*, Italy, Luxembourg, France, Japan, Spain	BioCF Private Sector led projects	Small scale. AR-AMS0001 ver. 5 - Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands	<i>Astronium graveolens</i> , <i>Bombacopsis quinata</i> , <i>Hymenaea courbaril</i> , <i>Albizia guachapele</i> , <i>Tabebuia rosea</i> , <i>Vochysia Guatemaltensis</i> , <i>Terminalia oblonga</i> , <i>Hyeronyma Alchorneoides</i> , <i>Samanea saman</i> , <i>Virola koschnyi</i> , <i>Schizolobium Parahyba</i> , <i>Swietenia macrophylla</i> , <i>Dalbergia retusa</i> , <i>Cedrela odorata</i> , <i>Dipteryx panamensis</i> , <i>Platymiscium pleistotachium</i>	<i>Tectona grandis</i>	-
Project 3206: Aberdare Range/ Mt. Kenya Small Scale Reforestation Initiative Kamae-Kipipiri Small Scale A/R Project	11 Jun 11	Kenya (Lari Constituency, Kinangop Constituency)	Canada*, Italy, Luxembourg, France, Japan Spain	BioCF Government and Non-Profit led projects	Small scale. AR-AMS0001 ver. 5 - Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands	<i>Croton macrocarpus</i> , <i>Cordia africana</i> , <i>Markhamia lutea</i> , <i>Juniperus procera</i> , <i>Podocarpus sp</i> , <i>Prunus africana</i> , <i>Vitex keniensis</i>	-	-
Uganda Nile Basin Reforestation Project No.5	20 Jun 11 (Date of registration action 15 Sep 11)	Uganda (Mbarara-Rwampara county, Isingiro-Isingiro county, and Ntungamo-Ruhama county districts)	Japan, Italy, Spain, Luxembourg, France	BioCF Government and Non-Profit led projects	Small scale. AR-AMS0001 ver. 5 - Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands	-	<i>Pinus caribea</i> **	<i>Pinus caribaea</i> is widely tested in Uganda and adaptable to a number of site conditions. <i>P. caribaea</i> was introduced to Uganda around 1960

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Project 4939:Uganda Nile Basin Reforestation Project No. 1	23 Aug 11(Date of registration action 23 Nov 11)	Uganda,(Mbarara -Rwampara county, Isingiro-Isingiro county and Ntungamo-Ruhama county) districts	Japan,Italy, Spain, Luxembourg, France	BioCF Government and Non-Profit led projects	Small scale. AR-AMS0001 ver. 5 - Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands	-	<i>Pinus caribea</i> **	<i>Pinus caribaea</i> is widely tested in Uganda and adaptable to a number of site conditions. <i>P. caribaea</i> was introduced to Uganda around 1960
Project 4940:Uganda Nile Basin Reforestation Project No 2	23 Aug 11(Date of registration action 23 Nov 11)	Uganda (Mbarara-Rwampara county, Isingiro-Isingiro county and Ntungamo-Ruhama county districts)	Japan, Italy, Spain, Luxembourg, France	BioCF Government and Non-Profit led projects	Small scale. AR-AMS0001 ver. 5 - Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands	-	<i>Pinus caribea</i> **	<i>Pinus caribaea</i> is widely tested in Uganda and adaptable to a number of site conditions. <i>P. caribaea</i> was introduced to Uganda around 1960
Project 4941:Uganda Nile Basin Reforestation Project No 4	29 Aug 11 (Date of registration action 23 Nov 11)	Uganda (Mbarara-Rwampara county, Isingiro-Isingiro county and Ntungamo-Ruhama county districts)	Japan, Italy, Spain, Luxembourg, France	BioCF Government and Non-Profit led projects	Small scale. AR-AMS0001 ver. 5 – Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands	-	<i>Pinus caribea</i> **	<i>Pinus caribaea</i> is widely tested in Uganda and adaptable to a number of site conditions. <i>P. caribaea</i> was introduced to Uganda around 1960
Project 3207: Aberdare Range / Mt. Kenya Small Scale Reforestation Initiative Kirimara-Kithithina Small Scale A/R Project	05 Oct 11(Date of registration action 03 Jan 12)	Kenya (Lari Constituency, Kinangop Constituency)	Canada*,Italy, Luxembourg, France,Japan, Spain.	BioCF Government and Non-Profit led projects	Small scale. AR-AMS0001 ver. 5 - Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands	<i>Croton macrocarpus</i> , <i>Cordia africana</i> , <i>Markhamia lutea</i> , <i>Juniperus procera</i> , <i>Podocarpus sp</i> , <i>Prunis africana</i> , <i>Vitex keniensis</i>	-	-
Project 7572:Carbon Sequestration in Small and Medium Farms in the	03 Oct 12(Date of registration action 03 Jan 13)	Costa Rica (San José/Pérez Zeledón)	Canada* , Japan, Italy, Spain, France, Luxembourg	BioCF Government and Non-Profit led projects	Large scale. AR-AM0004 ver. 4 - Reforestation or afforestation of land currently under agricultural use	<i>Terminalia amazonica</i> , <i>Hieronyma alchorneoides</i> , <i>Cedrela odorata</i> , etc.	<i>Gmelina arborea</i> , <i>Tectona grandis</i> , <i>Eucalyptus deglupta</i>	-

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Brunca Region, Costa Rica (COOPEAGRI Project)								

Note = *Party withdrawn from KP effective 15/12/2012; **Indicated by PDD as non-native, naturalized, species.