

**DRAFT****Annex 1****METHODOLOGIES HAVING FIVE OR FEWER NO. OF PROJECTS  
VALIDATED/REGISTERED****(Based on the information available on 12 May 2009)**

<b>METHODOLOGIES</b>	<b>Validation (not submitted for registration)</b>	<b>Registration (including registered)</b>	<b>Total</b>
ACM0011: “Consolidated baseline methodology for fuel switching from coal and/or petroleum fuels to natural gas in existing power plants for electricity generation”	3	1	4
ACM0015: Consolidated baseline and monitoring methodology for project activities using alternative raw materials that do not contain carbonates for clinker manufacturing in cement kilns --- Version 2	3	0	3
AM0007: “Analysis of the least-cost fuel option for seasonally-operating biomass cogeneration plants”	0	0	0
AM0017: “Steam system efficiency improvements by replacing steam traps and returning condensate”	0	0	0
AM0019: “Renewable energy projects replacing part of the electricity production of one single fossil fuel fired power plant that stands alone or supplies to a grid, excluding biomass projects”	0	0	0
AM0020: “Baseline methodology for water pumping efficiency improvements”	0	0	0
AM0021: “Baseline Methodology for decomposition of N <sub>2</sub> O from existing adipic acid production plants”	0	4	4
AM0023: “Leak reduction from natural gas pipeline compressor or gate stations”	1	1	2
AM0027: “Substitution of CO <sub>2</sub> from fossil	0	1	1

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or mineral origin by CO <sub>2</sub> from renewable sources in the production of inorganic compounds”			
AM0030: “PFC emission reductions from anode effect mitigation at primary aluminium smelting facilities”	2	2	4
AM0031: “Baseline Methodology for Bus Rapid Transit Projects”	4	1	5
AM0035: “SF <sub>6</sub> Emission Reductions in Electrical Grids”	1	0	1
AM0037: “Flare (or vent) reduction and utilization of gas from oil wells as a feedstock”	3	3	6
AM0038: “Methodology for improved electrical energy efficiency of an existing submerged electric arc furnace used for the production of SiMn”	0	1	1
AM0041: “Mitigation of Methane Emissions in the Wood Carbonization Activity for Charcoal Production”	0	1	1
AM0042: “Grid-connected electricity generation using biomass from newly developed dedicated plantations”	1	0	1
AM0043: “Leak reduction from a natural gas distribution grid by replacing old cast iron pipes or steel pipes without cathodic protection with polyethylene pipes”	1	0	1
AM0044: “Energy efficiency improvement projects: boiler rehabilitation or replacement in industrial and district heating sectors”	1	0	1
AM0045: “Grid connection of isolated electricity systems”	2	1	3
AM0046: “Distribution of efficient light bulbs to households”	1	0	1



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AM0047: “Production of biodiesel based on waste oils and/or waste fats from biogenic origin for use as fuel”	2	0	2
AM0048: “New cogeneration facilities supplying electricity and/or steam to multiple customers and displacing grid/off-grid steam and electricity generation with more carbon-intensive fuels”	0	0	0
AM0049: “Methodology for gas based energy generation in an industrial facility”	2	0	2
AM0050: “Feed switch in integrated Ammonia-urea manufacturing industry”	2	0	2
AM0051: “Secondary catalytic N <sub>2</sub> O destruction in nitric acid plants”	0	0	0
AM0052: “Increased electricity generation from existing hydropower stations through Decision Support System optimization”	2	0	2
AM0053: “Biogenic methane injection to a natural gas distribution grid”	1	0	1
AM0054: “Energy efficiency improvement of a boiler by introducing oil/water emulsion technology”	0	0	0
AM0055: “Baseline and Monitoring Methodology for the recovery and utilization of waste gas in refinery facilities”	1	0	1
AM0056: “Efficiency improvement by boiler replacement or rehabilitation and optional fuel switch in fossil fuel-fired steam boiler systems”	0	0	0
AM0057: “Avoided emissions from biomass wastes through use as feed stock in pulp and paper production or in bio-oil production”	1	0	1
AM0058: “Introduction of a new primary district heating system”	5	0	5

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AM0059: “Reduction in GHGs emission from primary aluminium smelters”	1	0	1
AM0060: “Power saving through replacement by energy efficient chillers”	0	0	0
AM0061: “Methodology for rehabilitation and/or energy efficiency improvement in existing power plants”	1	0	1
AM0062: “Energy efficiency improvements of a power plant through retrofitting turbines”	1	0	1
AM0063: “Recovery of CO <sub>2</sub> from tail gas in industrial facilities to substitute the use of fossil fuels for production of CO <sub>2</sub> ”	1	0	1
AM0064: “Methodology for methane capture and utilisation or destruction in underground, hard rock, precious and base metal mines”	1	0	1
AM0065: “Replacement of SF <sub>6</sub> with alternate cover gas in the magnesium industry”	0	3	3
AM0066: “GHG emission reductions through waste heat utilisation for pre-heating of raw materials in sponge iron manufacturing process”	1	0	1
AM0067: “Methodology for installation of energy efficient transformers in a power distribution grid”	0	0	0
AM0068: “Methodology for improved energy efficiency by modifying ferroalloy production facility”	0	0	0
AM0069: “Biogenic methane use as feedstock and fuel for town gas production”	1	1	2
AM0070: “Manufacturing of energy efficient domestic refrigerators”	0	0	0

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AM0071: “Manufacturing and servicing of domestic refrigeration appliances using a low GWP refrigerant”	0	0	0
AM0072: “Fossil Fuel Displacement by Geothermal Resources for Space Heating”	0	0	0
AM0073: “GHG emission reductions through multi-site manure collection and treatment in a central plant”	0	0	0
AM0074: “Methodology for new grid connected power plants using permeate gas previously flared and/or vented”	0	0	0
AM0075: “Methodology for collection, processing and supply of biogas to end-users for production of heat”	0	0	0
AM0076: “Methodology for implementation of fossil fuel trigeneration systems in existing industrial facilities”	0	0	0
AM0077: “Recovery of gas from oil wells that would otherwise be vented or flared and its delivery to specific end-users”	0	0	0
AM0078: “Point of Use Abatement Device to Reduce SF <sub>6</sub> emissions in LCD Manufacturing Operations”	0	0	0
AM0079: “Recovery of SF <sub>6</sub> from Gas insulated electrical equipment in testing facilities”	0	0	0
AMS-I.B.: Mechanical energy for the user with or without electrical energy	2	1	3
AMS-I.E.: Switch from Non-Renewable Biomass for Thermal Applications by the User	5	0	5
AMS-II.A.: Supply side energy efficiency improvements – transmission and distribution	1	0	1

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AMS-II.F.: Energy efficiency and fuel switching measures for agricultural facilities and activities	3	0	3
AMS-II.G.: Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass	1	0	1
AMS-II.I.: Efficient utilization of waste energy in industrial facilities	0	0	0
AMS-II.J.: Demand-side activities for efficient lighting technologies	1	0	1
AMS-III.A.: Urea offset by inoculant application in soybean-corn rotations on acidic soils on existing cropland	0	0	0
AMS-III.C.: Emission reductions by low-greenhouse gas emitting vehicles	4	1	5
AMS-III.J.: Avoidance of fossil fuel combustion for carbon dioxide production to be used as raw material for industrial processes	1	0	1
AMS-III.K.: Avoidance of methane release from charcoal production by shifting from traditional open-ended methods to mechanized charcoaling process	0	2	2
AMS-III.L.: Avoidance of methane production from biomass decay through controlled pyrolysis	0	0	0



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AMS-III.M.: Reduction in consumption of electricity by recovering soda from paper manufacturing process	3	0	3
AMS-III.N.: Avoidance of HFC emissions in Poly Urethane Foam (PUF) manufacturing	3	0	3
AMS-III.O.: Hydrogen production using methane extracted from biogas	0	1	1
AMS-III.P: Recovery and utilization of waste gas in refinery facilities	3	2	5
AMS-III.R.: Methane recovery in agricultural activities at household/small farm level	2	1	3
AMS-III.S.: Introduction of low-emission vehicles to commercial vehicle fleets	0	0	0
AMS-III.T.: Plant oil production and use for transport applications	1	0	1
AMS-III.U: Cable Cars for Mass Rapid Transit System (MRTS)	1	0	1
AMS-III.V: Decrease of coke consumption in blast furnace by installing dust/sludge recycling system in steel works	1	0	1
AMS-III.W: Methane capture and destruction in non-hydrocarbon mining activities	0	0	0
AMS-III.X.: Energy Efficiency and HFC-134a Recovery in Residential Refrigerators	0	0	0
AMS-III.Y.: Methane avoidance through separation of solids from wastewater or manure treatment systems	0	0	0
AMS-III.Z: Fuel Switch, process improvement and energy efficiency in brick manufacture	0	0	0
AR-AM0002: Restoration of degraded lands through afforestation/reforestation	0	1	1

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AR-AM0003: “Afforestation and reforestation of degraded land through tree planting, assisted natural regeneration and control of animal grazing”	4	0	4
AR-AM0004: “Reforestation or afforestation of land currently under agricultural use”	4	0	4
AR-AM0005: Afforestation and reforestation project activities implemented for industrial and/or commercial uses	5	0	5
AR-AM0006: Afforestation/Reforestation with Trees Supported by Shrubs on Degraded Land	0	0	0
AR-AM0007: Afforestation and Reforestation of Land Currently Under Agricultural or Pastoral Use	0	0	0
AR-AM0008: Afforestation or reforestation on degraded land for sustainable wood production	0	0	0
AR-AM0009: Afforestation or reforestation on degraded land allowing for silvopastoral activities	0	0	0
AR-AM00010: Afforestation and reforestation project activities implemented on unmanaged grassland in reserve/protected areas	1	0	1
AR-ACM0001: Afforestation and reforestation of degraded land	5	0	5
AR-ACM0002: Afforestation or reforestation of degraded land without displacement of pre-project activities	0	0	0
AR-AMS0002: Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the CDM implemented on settlements	0	0	0
AR-AMS0003: Simplified baseline and monitoring methodology for small scale	0	0	0





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CDM afforestation and reforestation project activities implemented on wetlands

AR-AMS0004: Simplified baseline and monitoring methodology for small-scale agroforestry - afforestation and reforestation project activities under the clean development mechanism	0	0	0
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AR-AMS0005: Simplified baseline and monitoring methodology for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on lands having low inherent potential to support living biomass	0	0	0
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