

SUSTAINABLE DEVELOPMENT

TOOL

CO-BENEFITS

**REPLACEMENT OF TRADITIONAL CHARCOAL
STOVES WITH EFFICIENT ECORECHO STOVES IN
HAITI**

SD-Tool _ word document

reg_tool01-1.doc [Read-Only] [Compatibility Mode] - Microsoft Word

File Home Insert Page Layout References Mailings Review View Add-Ins Normalize Gas Design Layout

Clipboard Font Paragraph Styles Editing

Geographical location - longitude

SECTION 2: SUSTAINABLE DEVELOPMENT CO-BENEFITS

Environment - Air

Does the activity improve air quality in the area? N/A (the question is not relevant)

The activity improves air quality by reducing air pollutants such as SOx (sulphur oxides), NOx (nitrous oxides), Suspended Particulate Matter (SPM) emissions, Non Methane Volatile Organic Compounds (NMVOCs), fly ash, noise, odour or dust. Reductions in greenhouse gasses are not included, as this defines all CDM projects. If the activity avoids indoor smoke, this can be declared under "Social - health and safety" section.

*If answered 'Yes' to the question above, continue with **Specific indicators** below.
If answered 'No' or 'N/A', go to the **Environment - Land** section.*

Specific indicators

How and to what extent does the activity improve air quality in the area?

Reducing level/frequency/time of SOx (sulphur oxides) emissions? N/A
Please specify

Reducing level/frequency/time of NOx (nitrous oxides) emissions?
Please specify

Reducing level/frequency/time of fly ash emissions? N/A
Please specify

Reducing level/frequency/time of SPM (Suspended Particulate Matter) emissions? N/A
Please specify

Reducing level/frequency/time of NMVOCs (Non Methane Volatile Organic

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Detailed description

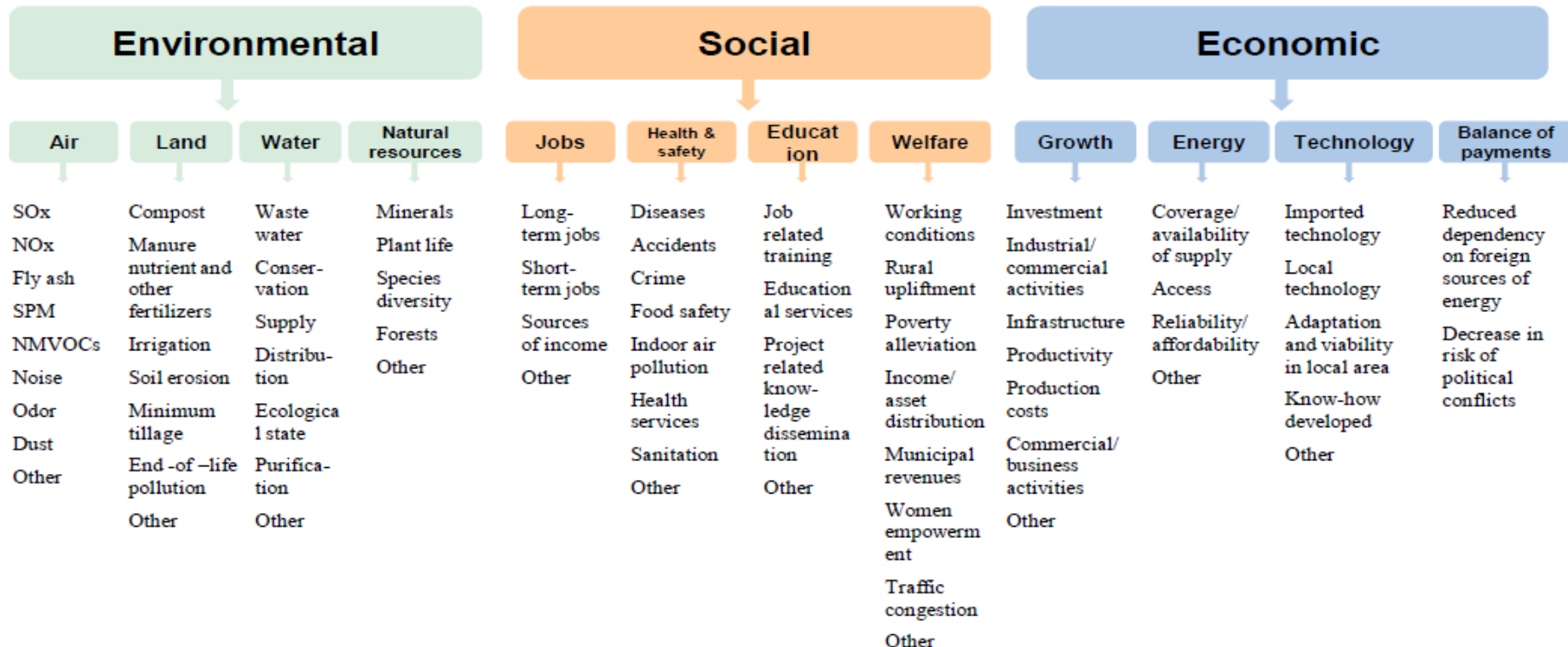
A. Environmental co-benefits

No co-benefits related to water and natural resources are described.

	Indicator	Specification	Extent
Air	The CDM PoA improves air quality by reducing air pollutants as follows:		
	SOx	<i>Replacement of fossil fuel use in open fires in farmer households.</i>	Slight
	NOx	<i>Replacement of fossil fuel use in open fires in farmer households.</i>	Slight
	Fly ash emissions	<i>Replacement of fossil fuel use in open fires in farmer households.</i>	Slight
	SPM	<i>Replacement of fossil fuel use in open fires in farmer households</i>	Slight
	Odors	<i>Involved households will use the newly-built bio-digesters instead of open deep pit for animal manure management which highly reduces the odor during the manure digestion</i>	High
	Dust	<i>Replacement of fossil fuel use in open fires in farmer households.</i>	Slight
Land	The CDM PoA improves the soil quality and/or avoid soil pollution, waste disposal as follows:		
	End-of-life products/equipment (solid waste)	<i>Improved manure management system</i>	Slight
	Compost	<i>Improved manure management system</i>	Slight
	Manure, mineral fertilizer or other soil nutrients?	<i>Production of organic fertilizer by an aerobic fermentation of animal manure.</i>	Slight
	Irrigation	<i>Collection of flushing water and using in irrigation systems</i>	Partly

Indicators	Criteria	Dimensions
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Indicators



SD – Tool (Co-benefits)

EcoRecho stoves in Haiti

Environmental

■ Air – Reduction in (smoke)

- NO_x
- SO_x
- Dust and Ash (fly)

□ Water

- Reduce land degradation improving water quality



□ Land

- Reduce Deforestation (2% left)

SD – Tool (Co-benefits)

EcoRecho stoves in Haiti

□ Social

■ Jobs (all locally sourced)

- Long-term (36)
- Short-term (120)
- Distributors (85)
- Stimulate R&D

■ Health and Safety

- Reduce indoor and surrounding air pollution
- Reduce accidents/fire hazards
- Certified EHS training to workers



SD – Tool (Co-benefits)

EcoRecho stoves in Haiti

□ Social

■ Education

- EHS training
- Visitors/end users site visits

■ Welfare

- Improve home conditions
- Women have more time for other activities due to Reduce cooking time
- Job creation (Poverty reduction)
- Pays tax (re-investment in community)
- Gender equality

SD – Tool (Co-benefits)

EcoRecho stoves in Haiti

□ Economical

- Growth
- Technology Transfer
- Balance of Payments (CER \$ale)



Thank you for your attention

Learn more about the sustainable development Tool at
<https://cdm.unfccc.int/Reference/tools/index.html>

View published sustainable development description reports at;
<http://cdm.unfccc.int/SDTools/index.html>
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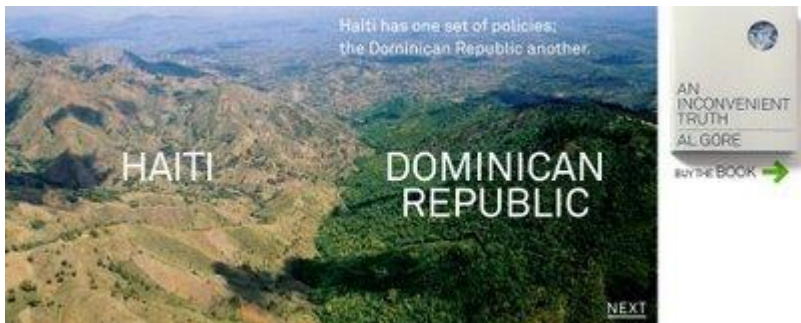
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Web: <http://cdm.unfccc.int/stakeholder/rcc/index.html>



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<http://brunodeceuk.blogspot.com/2006/10/inconvenient-truth.html>





<http://www.bbc.com/news/business-231335>

Making stoves and changing lives in Haiti

By Nastaran Tavakoli-Far Business reporter, B

