

Social Return on Investment on Insetting Project in Tanzania

World Water Week 2016

South Pole Group

Developing solutions worldwide



Regional office



Headquarters



Representations

Climate impact/renewable energy projects

Not offsetting, insetting!

Insetting projects...

- Generate carbon impacts and financed on the basis of these impacts
- Are located in/along client's supply chain
- Are rich in co-benefits beyond carbon
- Are aligned with the client's sustainability and business agenda



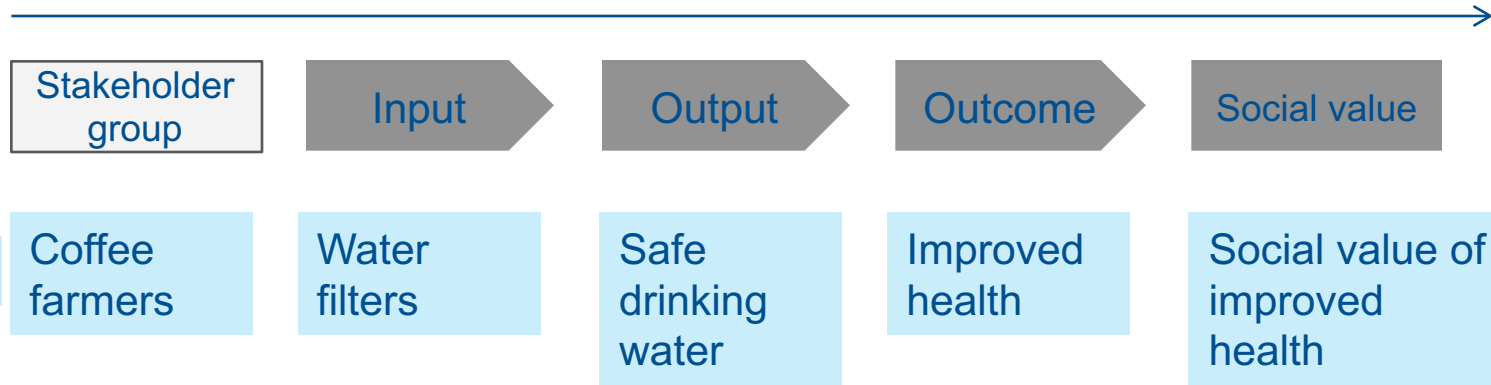
Insetting Water Project in Karagwe, Tanzania

- Subsidized sales of Tulip Table Top **household water filters** to coffee farmers in Karagwe district
- Prior to project, water is boiled or not treated at all
- Quantification of emission reductions and certification under the **Gold Standard**
- Compensates the **unavoidable carbon emissions** by one of the largest retailers in Switzerland
- Improved health and time savings help the coffee farmers to sustainably **improve their families' livelihoods**.



Method: Social Return On Investment (SROI)

Impact pathway



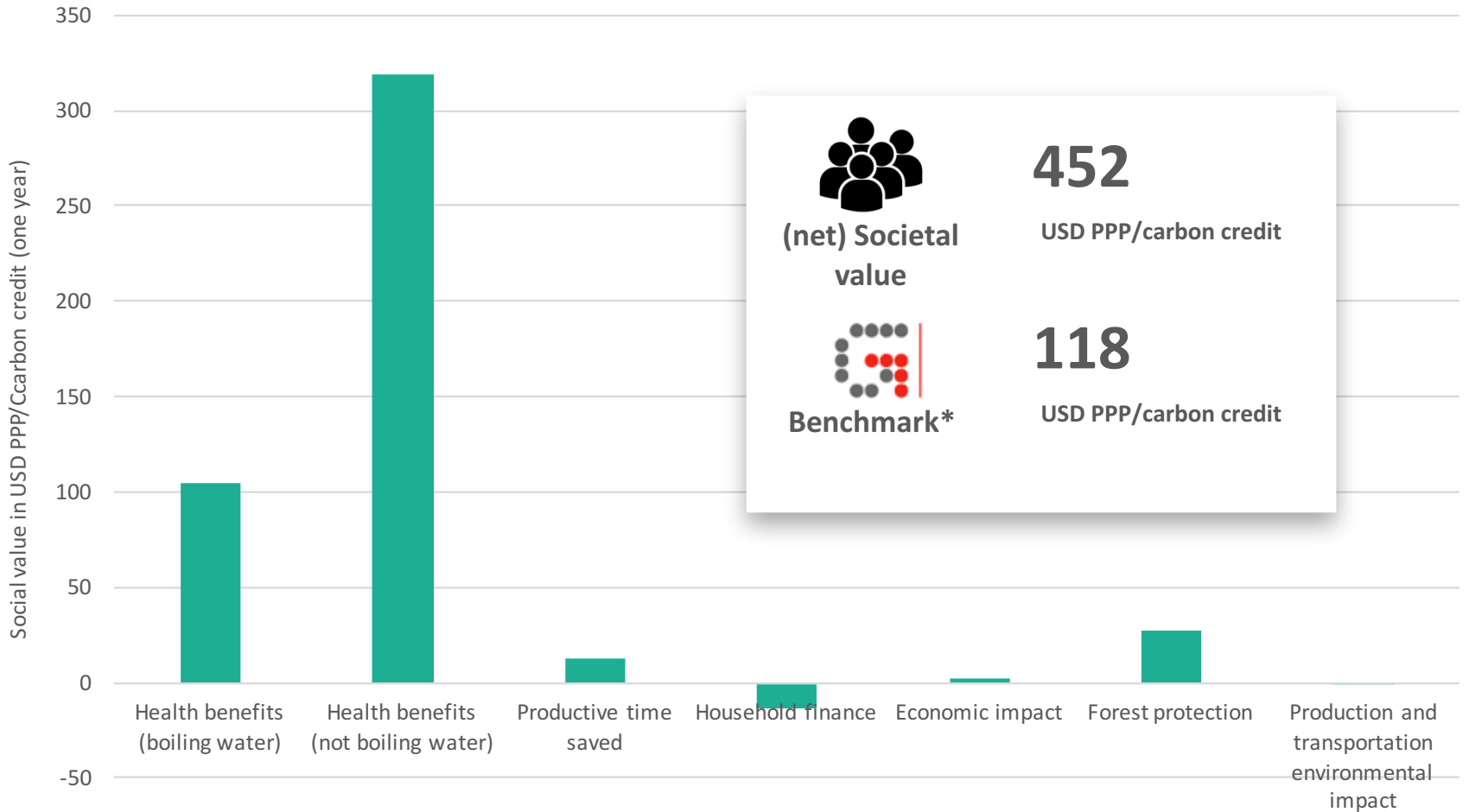
Data sources

- WHO
- Academic literature
- Own data collection on-the-ground

Social Value UK - The Impact Map

Intended/unintended changes	Stage 2			Stage 3				
	Inputs	Outputs	The Outcomes (what changes)	Description	Indicator	Source	Quantity	Duration
Buy and use an efficient water filter	What do they invest? What is the value of the inputs in currency (only enter numbers)	Summary of activity in numbers	Reduced intake of uncleaned water (households boiling water)	Improved health for the family	DALY/water filter	WHO and other literature	0.00232	
		Reduced intake of uncleaned water (households NOT boiling water)	Improved health for the family	DALY/water filter	WHO and other literature	0.00708		
		1500kg of wood saved per cookstove per year	Less spending on fuel (not assessed)	USD/kg of wood	Baseline study	0		
		Saving hours of time per week, as reduced wood collection is required	More productive time (0.3660h per week)	hours/year	Baseline study	19.0632		
		19.5 USD equivalent less revenue	Less revenue	USD/water filter	Baseline study	-1		
Increase job opportunity		8 employees for 7 days per year	economic revenue generated thanks to the waterfilter	Number of water filter sold	Baseline study	1		
Forest protected providing ecosystem services		0.034ha equivalent of forest preserved per year	Equivalent area of protected forest	USD average/ha of forest	Baseline study	0.034		

Results



* Gold Standard study's scope was different and excluded the health benefit for persons over 5 years old.

Learnings

Benefits

- Actual impact over anecdotal story-telling!
- Captures the real value of insetting and other supply chain projects
- Prioritize projects, particularly community projects

Challenges

- Competing assessment frameworks with different perspectives
- Private vs. social evaluation
- Data availability, particularly for ex-ante assessment

Contacts

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