

**Direct and Indirect results:
observation fields and Indicators regarding Energy for Cooking**

MDG-relevance		Observation fields	Indicator	What to measure? before and after (Examples)	How to measure?
MDG 7	Direct Result	Biomass energy savings	Decrease in fuel wood used at household level, in social infrastructures and SMEs	<ul style="list-style-type: none"> - Number (%) of hh using ICS (per type) - Quantity of fuel wood used per head / stove type - Saving rate - Stove utilisation rate - % of mud stoves maintained regularly - % of worn out stoves and parts replaced 	<ul style="list-style-type: none"> - survey - 24 hours cooking test in hh - calculation - survey - survey - survey
MDG 7	In-direct Result	Preservation of living trees (contributing to either forest protection or land degradation)	Reduction of wood cutting <ul style="list-style-type: none"> - green wood from forests - green wood from open land 	<ul style="list-style-type: none"> - Amount of fuel wood taken from trees, shrubs and bushes (living plant matter – from open land versus forests) versus dead plant matter – for fuel wood and charcol production - Deforestation rate (from forestry department) 	<ul style="list-style-type: none"> - national statistics - perception of district forestry department - national statistics
	In-direct Result	Climate protection	Reduction of GHG emission in the country (CO ₂ , NO _x , ...)	- evolution of GHG emission	- national statistics
MDG1	Direct result	Savings in fuel wood expenses	Decrease of expenditures on cooking energy (in households, Social institutions and SMEs)	<ul style="list-style-type: none"> - Firewood and charcoal prices - Rate of firewood collected and bought - Expenditures for cooking energy 	<ul style="list-style-type: none"> - statistics, survey - survey - survey
MDG1	In-direct result	More and better food available and/or better clothing and/or better housing, ...	Increase in number or quality in food, cloths, housing, ...	- Perception of households on usage of saved money	- open question, focus group discussion
MDG1,7	In-direct result	Secured basic energy supply	Energy balance between demand and supply	- Availability of fuel wood versus demand	- national statistics
MDG 1,3	Direct result	Time savings	Decrease of time spend for firewood collection	<ul style="list-style-type: none"> - Relation of firewood collected versus firewood bought - Time spend daily/weekly on firewood collection 	<ul style="list-style-type: none"> - survey - survey

	Direct result		Decrease of time spend on cooking	- Cooking time	- survey
MDG 1	In-direct result	Additional income through productive activities	Increase in household incomes through additional productive activities (crop production, handycraft, etc)	- Perception of users on usage of saved time - Perception of users on additional income	- open question, focus group discussion, PRA
MDG 3	In-direct result	Better working conditions for women and children	Increase in quality of working conditions for women and children	- Perception of women on changes in workload and working conditions related to the use of improved cooking technologies	- open question, focus group discussion, PRA
MDG 3, 4,5,6	Direct result	Clean air in the kitchen	Decrease of emissions in the kitchen (PM and CO)	- Subjective perception of women regarding indoor air quality and smoke - Concentration of CO and PM (PM2.5 and PM10) in the kitchen	- focus group discussion, open question, PRA - survey
	In-direct result	Reduction of respiratory and eye diseases	Decrease in number of cases of respiratory and eye diseases related to smoke	- Women's subjective perception of changes in illness (respiratory and eye diseases) - reduction of respiratory diseases	- focus group discussion, open question, PRA - national statistics
			Decrease in medical costs for respiratory and eye diseases	- Expenditure on treatment of respiratory and eye diseases	- focus group discussion , PRA, national statistics
	Direct result	Modernisation of kitchen	Better looking kitchen	- Perception of women on changes in their kitchen through use of improved cooking stoves	- open question, focus group discussion, PRA, observation
	In-direct result	Hygiene in the kitchen	Kitchen cleanness raised to "living room standard"	- Cleannes in kitchens compared to observations of cleanness in living rooms	- observation, focus group discussion, open question, PRA
	Direct result ?	Safety in the kitchen	Decrease in number of accidents and burns caused by cooking	- Changes in number of accidents and burns in the kitchen (users' perception)	- hospital data, focus group discussion, open question, PRA
MDG 4,5,6	In-direct result	Health improvement particularly for children, pregnant women and HIV/Aids affected people	Reduction of child mortality, Improved maternal health, Improved living conditions HIV/Aids affected people	- Perception of HIV/AIDS affected people on their living conditions	- national statistics (eventually disaggregated at district level) - focus group discussion, open question, PRA
MDG 2	In-direct result	Better education for children	Increased time and money available for school education and learning	- School enrollmant rate - Perception of parents on improvement of their cildren's school education	- national statistics - open question, focus group discussion, PRA

MDG 1,3	Direct result	Income generation for stove producers, installers, constructors and marketing groups	Increased income for male and female stove dealers	- Average monthly/yearly, seasonally income from stove production, installation and trading – disaggregated for men and women	- calculation from sales figures and benefit per stove and per man / woman
	Direct result	Creation of jobs and SMEs in stove production, installation, marketing	Increase in number of new jobs in the stove production business (W/M)	- Number of individual producers expanding and number of jobs in SMEs - Number and percentage of women in small, medium and big stove business	- survey on production centers, follow up of people trained, - disaggregated survey
	In-direct result	Creation of jobs and SMEs in other fields	Increase in number of new jobs in the stove production business (W/M)	- Perception of people in stove business	- open question, focus group discussion, PRA
	In-direct result	Economic independence from family (parents and husbands)	Realisation of own projects	- Perception of people in stove business (disaggregated for men and women)	- open question, focus group discussion, PRA
MDG 3	In-direct result	Access to leading positions, decision making, access to credits	Increased number of women in leading positions in private and public sector, with access to credits	- Perception of people in the stove business (disaggregated for men and women) - Degree of Genderisation in stove dealers association	- open question, focus group discussion. PRA - Organisational diagnostic