

Applications of the SD Tools

Baseline = status-quo(?)
Dependent on the purpose

Domestic Biogas Digester Program

[KPIs (example)]



CO ₂ Reductions	18	ton CO ₂
Renewable Energy (Heat)	7	[household number]
Forest Conservation	15	[ton-wood]
Poverty Alleviation	1	[fuelwood cost avoidance]
No Indoor Air Pollution	3	[health cost avoidance]
Cooking Burden Mitigation	5	[cooking time reduction]

- As a “part” of a carbon crediting mechanism
- **Create several markets for each SD value (for simplified KPIs)**

- Cost/benefit analyses incl. “baseline”
- Comparison
- Designing its PDCA elements



- Brainstorming
- Debate
- Discussions
- Comparison w/ alternatives

- Beyond reporting
- PDCA-cycle
- KPIs monitoring
- For adjustment

$$\sum_{SD\text{-type}} (\text{credited value/KPI}) \times (\text{Volume of KPI})$$

If not quantifies, 5-tiered evaluation is good.

e.g. SHS or mini-grid; ICS or biogas, ... →



How to make use of the SD tools?

Some modifications/additions are needed...

