

## **Part 1. Introduction**

The next two pages contain

- a) a matrix of 17 possible impact area for 7 stove types and
- b) a one sentence description of each.

I filled out this matrix quickly and will probably want to change them after hearing from anyone interested. I expect and hope for a wide range of opinions. This matrix may do a poor job of capturing what is important in reporting the societal side of stoves. Seeing what else comes up and is controversial on this list is my main reason to offer this for discussion.

Users are encouraged to try out similarly and report differences to the stove discussion list. this is going to. WG4, a part of the ISO T-285 process is NOT sponsoring this and may not use it. But a matrix did come up for discussion there last week. An excellent lengthy WG4 report covering much of this is now back again under discussion;. I am assuming that group would be interested in this list's thoughts - which will only be handled informally. I am NOT volunteering to compile a group response.

When making a comment on Individual cells , I hope they can be identified by row (first) and then column. Example cell: 4.13 shows that I think that char-making stoves are important for climate reasons. This because they are the only one of the 7 types than can help take carbon out of the atmosphere. This list already knows this is an important positive impact for me. If you disagree it is worth 5 +'s, this is a good time to say so (including why).

I hope we can stick with a scale from -5 to + 5.

Ideas to help improve both the whole matrix idea and the formatting are hoped for, as well as everyone's own cell entries..

Most important to me is whether any important stove social impact is NOT captured here. This is a list of development goal areas - not impact areas. There are many dozens of sub-categories, which we might look at later, to further explore the stove impact topic.

Am I doing this with an ulterior motive? Yes - char-making stoves, and their positive societal impacts, are not yet well enough known. Maybe numerical comparisons will help.

Part 2. The following table shows how one person (identified in bottom row) ranks seven different stove types against 17 SDGs (more fully next page).

17 Sustainable Development Goals (SDGs)		Seven stove types						
		1 Three Stone	2 Char Usng	3 Roc- ket	4 Char Making	5 Solar Ther	6 Foss LPG	7 Ave Elec
1	No Poverty	--	--	+	++++	++	--	--
2	Zero Hunger	----	--	+	++++	++	-	-
3	Good Health, Well-being	----	--	+	+++	+++ ++	++ ++	---
4	Quality Education	--			++	+	+	+
5	Gender Equality	----	--	+	++++	++	+	+
6	Clean Water, Sanitation		--		+++	+	--	---
7	Affordable, Clean Energy	--	--	+	+++	+	--	---
8	Decent Work, Econ'c Gr'wth	----	--	+	+++	+++	--	--
9	Indus'y, Innovat'n, Infrastr'ture	--	--	+	+++	+	-	-
10	Reduced Inequalities	----		+	+++	++	-	-
11	Sustain'ble Cities, Commumis	--	---	+	++	+	-	-
12	Resp'ble Conump'n, Product'n	--	----	+	++	+++	---	---
13	Climate Action	---	---	+	+++ ++	++	---	---
14	Life Below Water				++	+	---	---
15	Life on Land	----	----	-	++	+		
16	Peace, Justice, Strng Institt'ns	--	---	+	+++	+++	-	-
17	Partnerships for the Goals	----	--	+	++	++	---	--

These matrix entries by: RWL; [rongrtelaron@comcast.net](mailto:rongrtelaron@comcast.net); 21 Dec, 2017

### Part 3. List of 17 Sustainable Development Goals - more fully described

- 1 No Poverty – End poverty in all its forms everywhere
- 2 Zero Hunger – End hunger, achieve food security and improved nutrition and promote sustainable agriculture
- 3 Good Health and Well-being – Ensure healthy lives and promote well-being for all at all ages
- 4 Quality Education – Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
- 5 Gender Equality – Achieve gender equality and empower all women and girls
- 6 Clean Water and Sanitation – Ensure availability and sustainable management of water and sanitation for all
- 7 Affordable and Clean Energy – Ensure access to affordable, reliable, sustainable and clean energy for all
- 8 Decent Work and Economic Growth – Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
- 9 Industry, Innovation and Infrastructure – Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
- 10 Reduced Inequalities – Reduce inequality within and among countries
- 11 Sustainable Cities and Communities – Make cities and human settlements inclusive, safe, resilient and sustainable
- 12 Responsible Consumption and Production – Ensure sustainable consumption and production patterns.
- 13 Climate Action – Take urgent action to combat climate change and its impacts
- 14 Life Below Water – Conserve and sustainably use the oceans, seas and marine resources for sustainable development targets
- 15 Life on Land – Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss targets
- 16 Peace, Justice and Strong Institutions – Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels targets
- 17 Partnerships for the Goals – Strengthen the means of implementation and revitalize the global partnership for sustainable development targets

Cites: [https://en.wikipedia.org/wiki/Sustainable\\_Development\\_Goals](https://en.wikipedia.org/wiki/Sustainable_Development_Goals)  
<https://sustainabledevelopment.un.org/?menu=1300>