

Wood as fuel is privately planted in plantation near Pondicherry/ India.

Fuel wood and charcoal comes from sustainable resources. However the missing link is a modern carbonization method. The photo below of trad. carbonization is taken 200 metres from this plantation!



Countries like Kenya (2,5 Mio) and Zambia (1Mio) do have a yearly charcoal consumption of about 3,5 million tons for household purposes.

About 18 millions tons of wood are needed by traditional carbonization— by using the ICPS (Improve Charcoal Production System) about halve of these trees could be saved!

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Better not like this! The whole family of the charcoal maker is exposed to hazardous smoke. 80% of the wood will burn and smoulder and in addition harmful methane gas will be released!

This innovative „low-cost retort kiln“ (adam-retort) needs just about halve of the wood for producing the same amount of charcoal from wood or other biomass (briquetts & ECO CHARCOAL). By using the ICPS about ~75% less of the harmful methane is released into the atmosphere!