

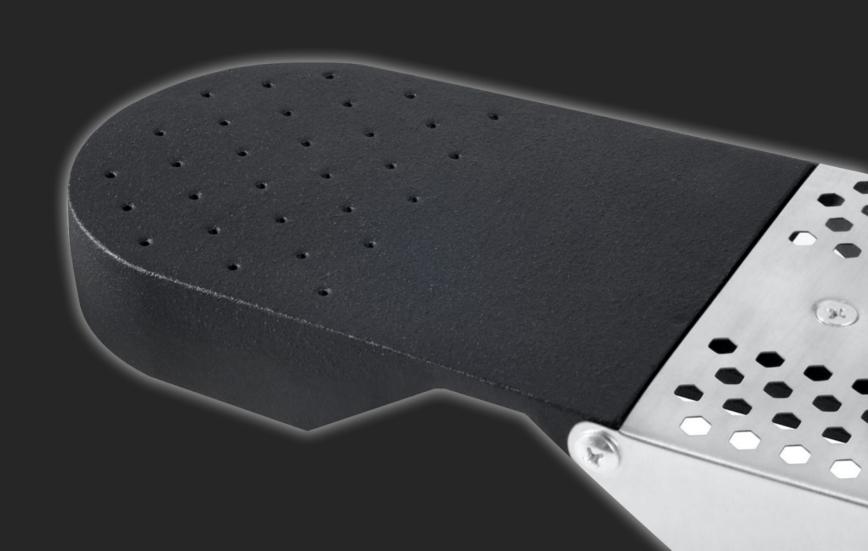


Jet-Flame







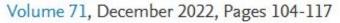








Energy for Sustainable Development





Retrofitting stoves with forced jets of primary air improves speed, emissions, and efficiency: Evidence from six types of biomass cookstoves

Samuel Bentson a, David Evitt a, b, Dean Still a, Daniel Lieberman c, Nordica MacCarty a, b 🔉 🖾

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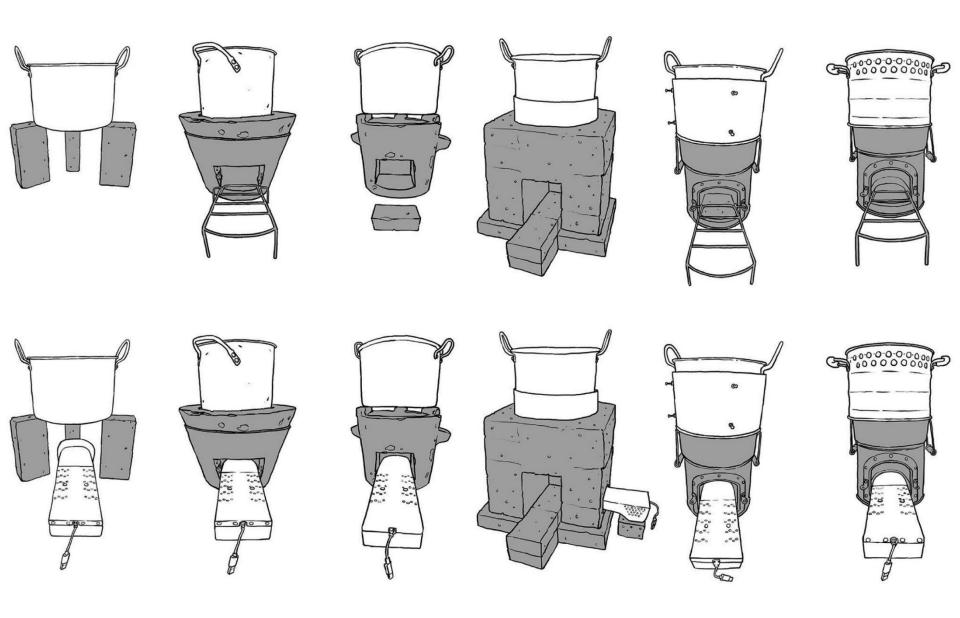
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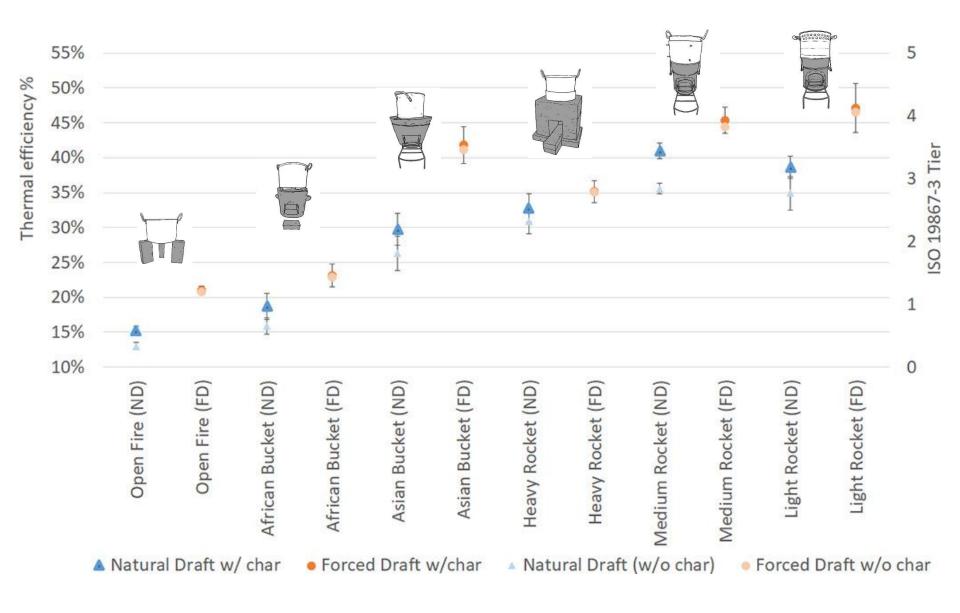
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Thermal Efficiency With and Without Char and Jet-Flame



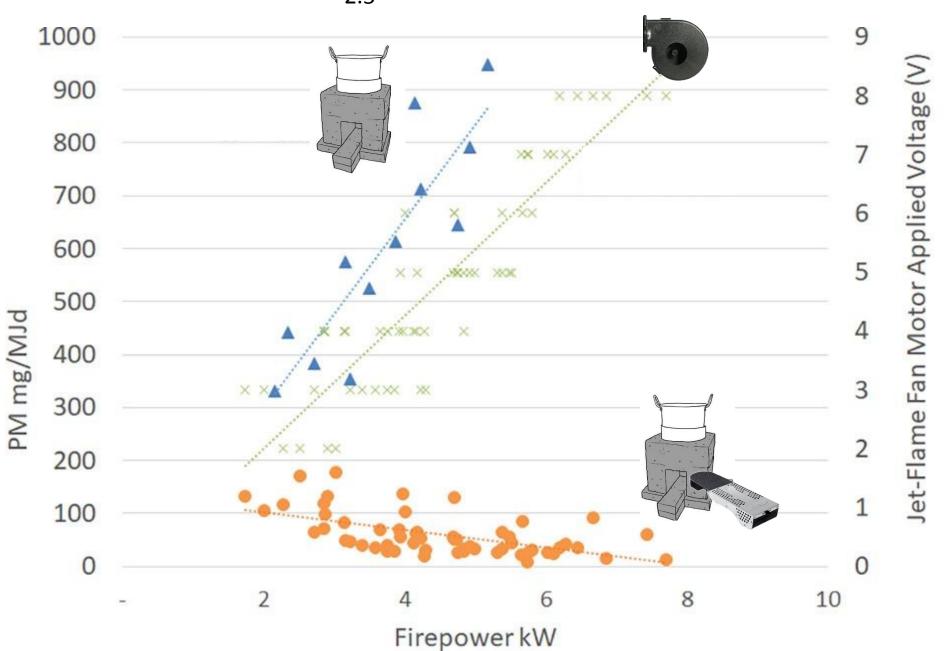


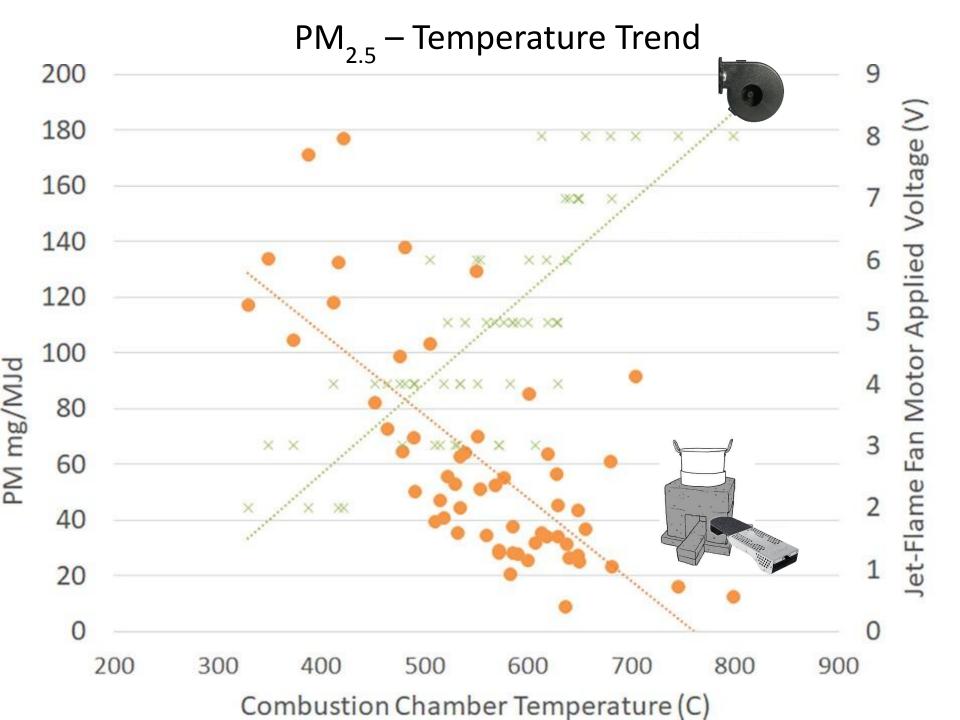
CO g/MJd

PM_{2.5} emissions factor was reduced by a global average of 89 %

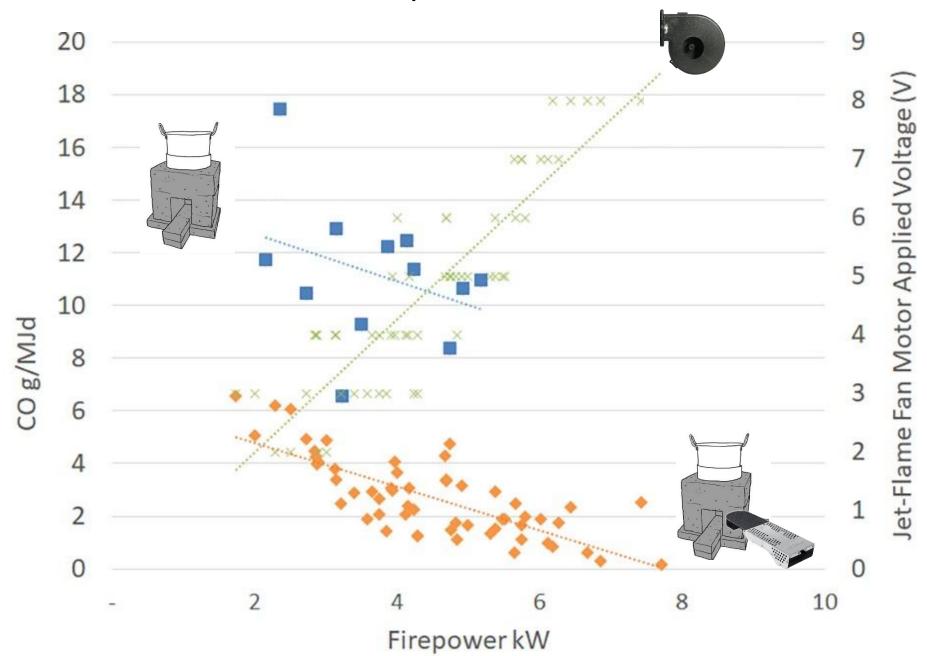


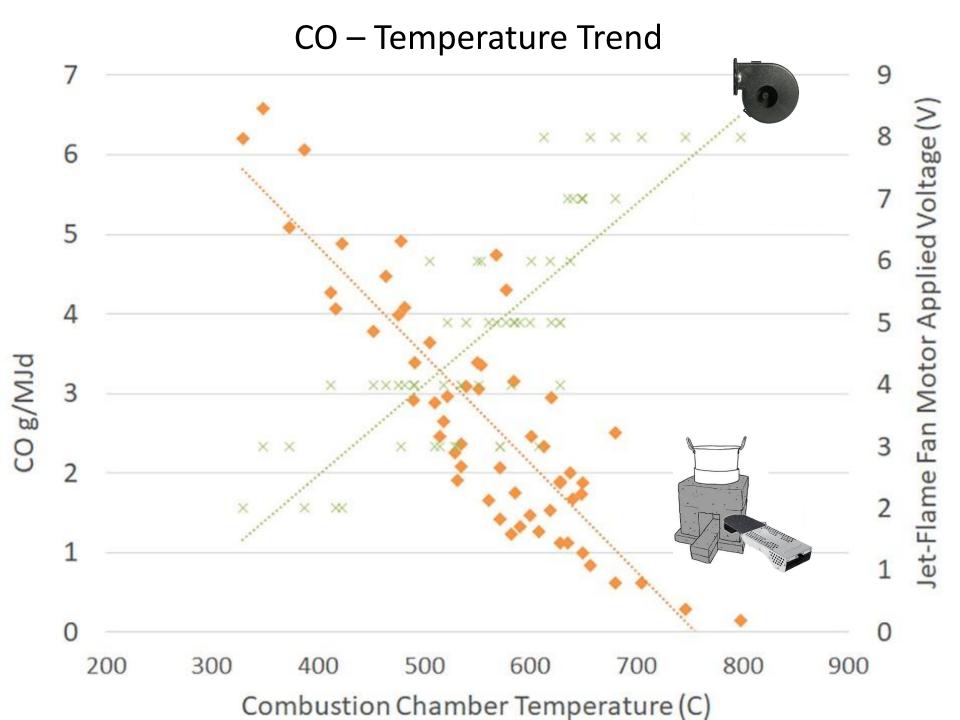
PM_{2.5} – Firepower Trend





CO – Firepower Trend







Reverse Innovation: Turbulent Jets of Air for US Heating Stoves

