



Graduate Research and Education for Appropriate Technology: Inspiring Direct Engagement and Agency

Cookstoves and Air Pollution Monitors as Appropriate Technology

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Worldwide, approximately 3 billion people burn biomass (e.g. wood, dung, crop residues) and coal *indoors* for home cooking and heating, leading to indoor air pollution (IAP) which the World Health Organization estimates to cause the premature 1.6 million deaths each year. **IAP ranks as the fourth leading health risk in developing countries** and affects women and children most significantly. IAP can double a child’s risk of serious respiratory infection and may also be associated with adverse pregnancy outcomes (e.g. stillbirth and low-weight babies). Environmentally, the widespread use of biomass fuels for cooking and heating contributes to deforestation and global warming. Aprovecho Research Center (ARC) is a non-profit corporation dedicated to researching, developing and disseminating appropriate technological solutions for meeting the basic human needs of refugees and peoples in the developing world. ARC is especially dedicated to creating effective cooking and heating systems using biomass fuels as well as air quality sensors. **Come hear how it all works, see a live demonstration, and get involved.**

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