



The Score Project & EWB-UK Research

Project Proposal: Combustion of Fuels with Varying Moisture Contents

Full description of Problem:

Experimental investigation of the combustion of a variety of fuels in log, stick or 'briquette' form, including wood of varying moisture content and cow dung, defining rates of combustion and peak temperatures under fixed excess air conditions.

How the local community will use the proposed solution:

There is an estimated world market for Score of between 60 Million and 2 billion units depending on the end user price. See the web site links for more details.

Estimate of the economic benefit anticipated and plans for training of the local community:

We aim to recruit local universities to train people in the manufacture, maintenance and use of the Score Stove as well as stimulating local business.

Full description of the local situation:

The project is aimed at the Indian sub-continent and sub Saharan Africa with some South American influence. Practical Action can co-ordinate field trips near to their local offices. see web site references for details.

Useful background reading or resources:

<http://www.score.uk.com/research/default.aspx>

<http://www.score.uk.com/research/Shared%20Documents/Pressreleases/poweredbysound.htm>

http://www.score.uk.com/research/Shared%20Documents/Score_Papers/Score_Acoustics08.ppt

<http://www.score.uk.com/research/Lists/Score%20in%20the%20News/AllItems.aspx>

<http://www.lanl.gov/mst/engine/>

<http://www.aster-thermoacoustics.com/indexeng.html>

<http://www.lanl.gov/thermoacoustics/Book/index.html#preface>

Organisation Contact Details:

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Web site	www.score.uk.com
Background information	The Score Project started in March 2006 and phase 1 will complete in 2012. We are aiming to produce over 1 million Score Stoves after 2012 by working with partners to aid exploitation.