

Zamorano Institute: Phase IV: Actualization and additional training for key staff, 2010

The current project targets the generation of information concerning stove performance in the certification center for improved stoves established in Zamorano University, by accomplishing the following objectives:

- Significantly improving the technical capacity of key Zamorano staff (specifically Ing. Timothy Longwell and Inga. Reyna Guzman) by site visits to leading international institutions in improved efficiency stove design and evaluation. Specifically, the Colorado State University Engines and Energy Conversion Laboratory (EECL), Envirofit, Trees, Water & People and University of California, Berkeley - Renewable and Appropriate Energy Laboratory (RAEL) have been initially identified to increase our theoretical and practical capacity in:
 - Improved stove design including combustion efficiency, heat transfer optimization, pyrolysis and re-combustion of gaseous vapors.
 - Emission measurements and protocol alternatives to assess impacts on human health, forest degradation and climate change (traditional green house gasses, black carbon/soot, and biochar production).
 - Past and present global initiatives, lessons learned and alternative financial options and opportunities for project implementation including carbon sequestration.
- Instillation and evaluation of 25 improved efficiency stoves in the laboratory and/or local communities applying the lessons learned in the site visits above.
- Acquisition of additional emission and evaluation equipment identified during the site visits described above.
- Hold the second annual “Stove Camp” in Español, focusing on TLUD stove design.



Some participants from “Stove-Camp en Español” and “Conference”.