



## ProPeru Stove & Ceramic Water Filter Projects

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### Project 1 - ProPeru Stove & Associated Projects

**Need:** Indoor Air Pollution kills 1.5 million people a year and is listed as the second leading health concern in Peru for its poor populations. Deforestation of highland forests is occurring at the fastest rate in the history of Peru threatening eco-system sustainability and the lives of rural villagers.

**Impact:** The ProPeru Stove (clean burning stove) reduces indoor air pollution by over 90%, thereby increasing lung capacities and general health of families. The ProPeru Stove burns 20-40% less fuel thereby reducing deforestation and cost of living for families.

**Current status:** To date over 2000 ProPeru Stoves have been installed rural family homes. The Pan-American Health Organization PAHO recently partnered with ProPeru to install an additional 3500 stoves in the department of Cusco.

**Partner School Project:** Teams of 6-10 will focus on specific communities completing a thorough and comprehensive project. Within each community the project may include all of the following components related to the ProPeru Stove:

- **Stove installation** – In partnership with PAHO teams of 2 work with individual families to install multiple ProPeru Stoves each day within the homes of rural villagers. Families collaborate on all aspects of the project.
- **Lung Capacity Testing** – Students test and record lung capacities of family members receiving the new stoves. Lung capacity testing will also occur during annual follow up visits to communities that have already received the stoves.
- **General health screening** – In partnership with the Ministry of Health students complete a general health screen, chart results, provide basic care and distribute appropriate
- **Health Education** – Students coordinate with local schools to deliver appropriate and related health education to children.
- **Reforestation** – Students collaborate with the local community leaders to plan and execute reforestation efforts within the communities' boundaries.
- **Environmental Education** – Students coordinate with local schools to deliver appropriate and related health education to children.

## Project 2 – Ceramic Water Filter & Associated Projects

**Need:** Water quality issues are cited as the leading health risk in Peru to its poor. These problems are manifested in gastrointestinal problems, malnutrition, and generally poor health..

**Impact:** Family based and communal water filter systems significantly improve health and life expectancy. The installation of water filters through ProWorlds' community and global partners will have a significant impact.

**Current status:** *Research Phase.* ProPeru's strong existing relationships in small rural communities allow us to begin a thorough field test of the existing model to assess and measure if it is appropriate for the local needs and lifestyle.

We estimate the research, depending on levels of support will last 3-9 months. After that the introduction of the filter into rural communities will begin. We look forward to the considerable health benefits that are expected to be produced in these rural communities.

**Partner School Project:** Teams of 2-3 will focus on specific communities completing a thorough and comprehensive community assessment and filter testing. The water filter teams will likely accompany the ProPeru Stove teams into communities.

- **Assessment** – Research and gather data about existing systems and water quality related issues.
- **Test Installation** – Install test models where appropriate and begin further data collection.
- **General health screening** – In partnership with the Ministry of Health students complete a general health screen, chart results, provide basic care and distribute appropriate. Screen specific to gathering data related to water quality issues.
- **Health Education** – Students coordinate with local schools to deliver appropriate and related health education to children.
- **Reforestation** – Students collaborate with the local community leaders to plan and execute reforestation efforts within the communities' boundaries as part of general water quality protection.
- **Environmental Education** – Students coordinate with local schools to deliver appropriate and related health education to children.