

Introduction

This poster presents a Peruvian project titled: "Training and Diffusion of Improved Adobe¹ Technology for the Construction of Healthy and Secure Houses". It was developed by the Japanese International Cooperation Agency (JICA) in cooperation with the Peruvian NGO Alternativa and the Peruvian governmental institution SENCICO. As Peru is a developing country where earthquakes frequently occur, a significant impact of this project has to be expected.

Problematic



Fig 2. Earthquake in Peru – Sep 2005



Fig 3. Traditional Cooking Technology



Figures 4 and 5. Insecure construction

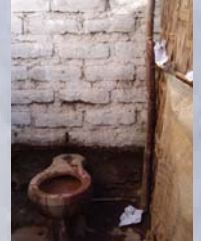


Figure 6. Unhealthy Restrooms

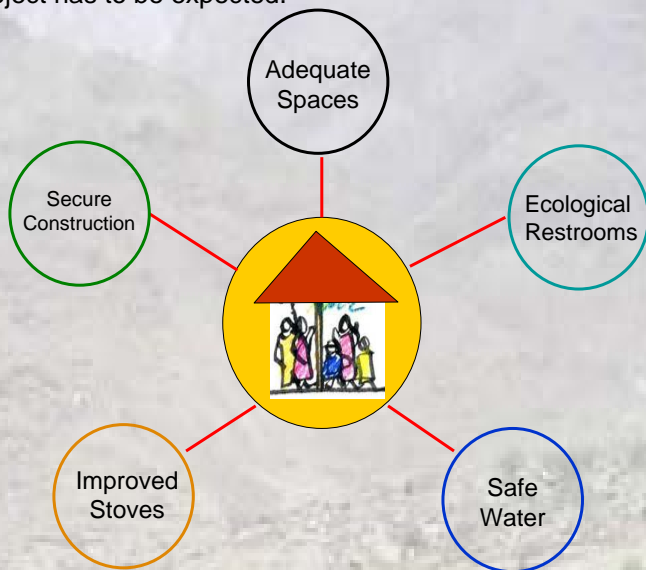


Figure 1. Topics of the Project

¹ Adobe is an unburnt sun-dried brick.

Methodology



Fig. 7 and 8. Participatory Methodology and Public Project Presentation



Figure 9. Workshops



Fig 10. Adobe Technology Course



Fig 11. Improve Stove Course (Inkawasi Model)

Objectives

- To train and motivate local people in construction of adobe houses using an improved technology.
- To improve health conditions: construction of improved stoves and adequate management of human depositions and water.

Location

The selected rural areas were Lunahuana, Pacaran and Vinac which are located in the southern part of the department of Lima, Peru. In those areas, where most of the people live in poverty, the principal activities are agriculture and livestock farming.



Results



Fig. 12 and 13. Inkawasi Kitchen, Nucleo Bason Restroom



Fig 14. Adobe House in Process of Construction

- 20 people have been trained in the 4 months course of adobe technology.
- More than 100 habitants from Lunahuana, Pacaran and near shanty towns have participated in the workshops.
- 6 houses have been constructed.
- 8 improved stoves.
- 6 improved restrooms.

Future

- To propose policies about rural houses construction.
- To capacitate more people in Vinac.
- To assess the total impact of this project the end of 2007.