

PROJECT INFORMATION

As at end of the project, April 2009

Local and sustainable waste water management in Kyrgyzstan



Ecosan toilet. Source: www.wecf.org

Background

In rural areas in Central Asia people's lives are often determined by meeting basic needs. Drinking water quality is mostly inadequate. Energy supplies are often irregular or even lacking. Waste water sewage and treatment most often operate poorly.. Usually tap water is not potable and well water is contaminated. Therefore the number of illnesses among the population continuously rises. In summertime a common illness is diarrhoea, in wintertime severe colds.

Project

The project's goal is to improve the health of the rural population in Kyrgyzstan, to enhance people's environmental awareness and to protect groundwater from pollution.

The project implements the concept of ecological sanitation (EcoSan). EcoSan uses a recycling concept where excrements and waste water are handled as resources. In EcoSan

toilets urine and faeces are separated at the source and reused. Advantages are for example:

- The excrements can be reused as fertilizers.
- Through separation of urine and faeces developments of bad odours are avoided.
- Risks to human health are minimized because of composting and dehydrogenation.
- No water is wasted on sanitation.

In the EcoSan project toilets are installed directly in homes improving comfort and hygiene.

House owners and staff of the Kyrgyz partner organisation "Habitat for Humanity" learn how to construct, operate and specifically deploy EcoSan toilets.

The people involved in the project also learn to construct and build individual and collective ecological soil filters for greywater treatment. The project leader WECF produces and disseminates information material on ecological sanitation.

- Programme: Advising-Assistance Programme of the German Federal Environment Ministry
- FKZ: 380 01 152
- Region: Kirgisistan
- Duration: 10/2006 - 12/2008
- Project Management: German Federal Environment Agency (UBA)
- Project Partner Germany: WECF e.V. München; www.wecf.org
- Project Partner in Kyrgyzstan: Habitat for Humanity