

# Domestic Biogas

Renewable Energy

## Benefits of biogas

SNV cases show the benefits of an average biogas plant serving six people:

- Reduction of workload 2.5 hours / day
- Saving firewood 1800 kg / year
- Saving agricultural waste 600 kg / year
- Saving dried dung 250 kg / year
- Saving of kerosene 45 l / year
- Reduction CO<sub>2</sub> 4.5 ton / year
- Increase agricult. prod. up to 40%
- No indoor pollution
- Improved sanitation (toilet connection)
- Better health conditions

Multiply this all by 158,000 (all plants supported by SNV in Nepal and Vietnam by end of 2005).

SNV is a Netherlands-based, international development organisation that provides advisory services to nearly 1800 local organisations in around 30 developing countries to support their fight against poverty.

Around two billion of the world's poor rely on burning wood, charcoal and dung to meet their domestic energy needs. This reliance perpetuates poverty **1** and is environmentally unsustainable **7**. In Asia SNV supports NGOs and government agencies **6** to promote biogas use and implement national programs.

SNV shows direct and tangible results

**1** **6** In Nepal and Vietnam 158,000 households were equipped with biogas plants, benefiting 900,000 people.

**3** **5** Biogas plants supports the improvements of life, reducing the workload of women.

**4** **5** **6** It helps reduce the 16 million lives prematurely ended by (kitchen) smoke-related diseases like lung diseases.

**7** **6** Biogas plays a role in the CO<sub>2</sub> trading (Kyoto), opening an unprecedented financial window on sustainability.

**1** Biogas plants fuelled by animal and human waste are cheap, effective and clean.

**7** It protects the forests by reducing the use of wood.

The Millennium Development Goals

**1** Eradicate extreme poverty and hunger

**2** Achieve universal primary education

**3** Promote gender equality and empower women

**4** Reduce child mortality

**5** Improve maternal health

**6** Combat HIV/AIDS, malaria and other diseases

**7** Ensure environmental sustainability

**8** Develop a global partnership for development

**6** Good governance

Comfort

connected with

Sustainability

# Connecting People's Capacities

SNV is dedicated to a society where all people enjoy the freedom to pursue their own sustainable development. Our advisors contribute to this by strengthening the capacity of local organisations.

www.snvworld.org

# SNV