

## Repair of Biogas Plants in Nepal



*This year biogas plants at the foot of the Annapurna Massif are being repaired*

The Nepalese districts of Syangja, Kaski, and Myagdi lie at the foot of the impressive *Annapurna* mountain massif. The name of the massif, which is over 8,000 meters high, means "the food-giving goddess" and is also another name for the goddess Parvati, the "mountain daughter". This world-famous mountain range was formed because the Indian and Eurasian tectonic plates collide here, which also leads to strong earthquakes time and again. Statistically, a major earthquake occurs here every 75 years with incalculable consequences for the population.

The earthquakes also destroy biogas plants that have been built in recent years - subsidized with climate protection contributions from atmosfair. The biogas plants supply households in rural areas with

clean gas for cooking and thus replace traditional wood fires. Other advantages include the avoidance of harmful smoke emissions and the use of fermentation residues as fertilizer. The biogas plants are real climate protectors: a single plant can save an average of three tons of CO<sub>2</sub> per year.

After the devastating earthquake in 2015, atmosfair launched the *Biogas Repair* project. Year after year, defective biogas plants in a specific region are repaired. This year, more than 400 plants in Syangja, Kaski, and Myagdi are in for repair. In addition to replacing gas taps, valves, pipes or digesters, domes, biomass inlets and outlets or toilets connected to the biogas plant had to be repaired.



*Defective gas pipes are replaced*



*Now, this user can cook on clean biogas again*

Also due to atmosfair's long-standing commitment to Nepal, a strong industry in the field of biogas could develop. Meanwhile, more than 100 Nepalese companies have joined forces under the umbrella of the **Nepal Biogas Promotion Association (NBPA)**. NBPA not only coordinates the repair work for atmosfair and passes on the orders to the members, but also further develops the plants, trains employees, and informs users about the advantages.

By repairing the systems, 1,200 tons of CO<sub>2</sub> can again be saved annually and more than 2,000 people have clean air at home and no longer have to collect firewood for several hours every day. This is only possible thanks to financial support from the DAV summit club, wpd, and numerous individual donors. On our [website](#) at *Climate protection presents – One Brick at a time* you can donate directly for the repair of further plants.