

## International Climate Initiative

### Climate Partnerships with the Private Sector: Biogas processing and integration into existing natural gas pipelines in Brazil

As part of its expansion plan for the energy sector "Plano Decenal de Energia", Brazil aims to primarily use climate-friendly, renewable energy sources. A rise in production is a good prerequisite for the energetic use of sustainable energy sources such as biogas. In recent years, the German DC has started various initiatives to promote the spread of biogas technology on the Brazilian market. Since 2013, GIZ has been implementing a DKTI project to support the energy use of biogas in various sectors such as wastewater treatment, waste management and agriculture. At the end of 2014, the Brazilian Petroleum and Gas Regulatory Authority (ANP) approved the integration of biogas from agricultural residues and therefore laid the foundation for the feed of recycled biogas into existing natural gas pipelines. However, there is currently no project in Brazil in which biogas is processed into natural gas and fed into an existing natural gas pipeline.

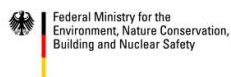
The project's objective is to minimise technical, legal and economic barriers to the feeding of biogenic gases into Brazil's natural gas network and to demonstrate the feeding of recycled biogas in order to reduce climate-relevant emissions in the long run. Together with the local gas supplier SC Gas, a new natural gas pipeline is being planned for the integration of biogas and appropriate tender documents are being prepared. At the same time, GIZ is to develop a technical concept for feeding the treated biogas under economic conditions and to present it to the local stakeholders, such as ANP and SC Gas, as part of workshops. Furthermore, such workshops give the opportunity to present and discuss possible management structures using German legislation as an example.

In September 2015, the project was presented to a greater public and regional gas suppliers as well as to APN and MCT. A subsequent study trip to Germany for the inspection of existing gas feeding points is intended to sensitise selected persons, who will later serve as disseminators. A total of three workshops will be held, two one-day workshops in Brazil and a one-week workshop in the form of a study trip in Germany. Once the gas pipeline has been built under the leadership of the regional gas supplier (presumably at the beginning of 2017), topics such as maintenance and reparation will be imparted to gas specialists and other disseminators as part of smaller training units.

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<b>Country:</b>	Brazil
<b>Implementation:</b>	DEG – Deutsche Investitions- und Entwicklungsgesellschaft mbH, Cologne
<b>Private sector partner:</b>	BDC Dorsch Consult Ingenieurgesellschaft mbH
<b>Total project costs:</b>	400,001 €
<b>BMUB-funding:</b>	180,000 €€
<b>Project duration:</b>	09/2015 – 10/2017

Supported by:



INTERNATIONAL CLIMATE INITIATIVE (IKI)



**KFW** DEG

based on a decision of the German Bundestag