



Environmental development



FROM THE TERRITORIAL ENERGY CLIMATE MASTER PLAN OF THE STATE OF MINAS GERAIS (BRAZIL) TO THE LOW CARBON INFRASTRUCTURE PROJECTS

In 2014, our teams innovate with the elaboration of the Territorial Energy Climate Plan (PCET) of the State of Minas Gerais (MG). Unique and pioneering international experience, the project helped to support this area of 20 million of inhabitants and 588 000km² in the implementation of an ambitious development policy planning against the Climate Change. Model of North-South cooperation initiated by the Nord-Pas-de-Calais Region twinned with the MG and bringing together experts from higher levels, the methodological tools of the PCET (including the Bilan Carbone®) have been adapted to Brazilian specificities with the support of the ADEME.

In continuation of this exemplary project and with the financial support of the French Development Agency (AFD), we developed the index of climate vulnerability of the MG, which evaluates thanks to a web platform the degree of exposition, sensitivity and adaptive capacity against the climate change of the 853 municipalities of the state. In April 2015, the Government of Minas Gerais takes another step by approving by decree the Climate Plan and becomes the first PCET in South America and a reference for all municipalities in MG.

Since then, the Envirogroup team in collaboration with I Care & Consult, accompanies the Government of MG in the implementation of the PCET action plan with an objective of reduction of 17-20% of the CO₂ emissions of the State in 2030. The financing of infrastructure projects in municipalities by the BDMG with the support from the AFD for € 50M permits to impose "Climate" criteria in the specifications and guide projects towards low-carbon technologies. From the Climate planification to low Carbone projects encouraging a virtuous cycle on the eve of the COP21.

Born from this experience, Envirocity®, the new integrated solution of Envirogroup dedicated to low-carbon development projects, identify innovative solutions for decentralized energy, water and waste processing.

Envirocity®: A new integrated & collaborative engineering solution for Sustainable City

- A pooling of skills for a comprehensive and sustainable offer package
- Identification of innovative French eco-companies
- Solutions in the decentralized wastewater treatment, the treatment of waste & recycling, green energy production (solar, solar PV, hybrid)
- Strong project management experience in complex international areas and urban or isolated sites
- Personalized support for all types of players: public or private planners, local authorities, rural communities, scientific institutions, telecom operators, companies, industries...

The first references of Enviro City®

- **Electrification of schools in Madagascar** (Project supported by the UNESCO) in 2015 installation of photovoltaic solar panels of 15 classrooms of rural schools until then without electricity, and introduction of computers with internet access for the exploration of the Web by schoolchildren.
- **Eco-region in the Philippines:** Accompaniment of a rural community of 10,000 inhabitants in the implementation of one of the first eco-region of the Philippines with the installation of a wastewater treatment plant using by bamboo, solar PV farm from 10 to 100 kVA. Composting program under study.
- **Solar Farm on the island of Tristan Da Cunha:** Design and installation of solar power and solar water heaters for the local community (250 inhabitants) in the world's remotest island. A program dedicated to the collection and treatment of waste is under study.

Vulnerabilidade municipal às mudanças climáticas em Minas Gerais

TIME TO CREATE

envirocity

To keep contact with ENVIROGROUP : o.decherf@envirogroup.fr