



## Clean fuels for local use

**Country of implementation:** Madagascar

**Implementing organisations:** JSL Biofuels Madagascar, The Global Exchange for Social Investment

The German-Madagascan company JSL Biofuels Madagascar produces and distributes biofuels, making sure that the cultivation of biofuel crops does not affect local food production. The British organisation Global Exchange for Social Investment brings together donors, socially responsible entrepreneurs and investors to finance sustainable development projects.

### **Aim**

The project supplies clean fuel to village dwellers and transport companies. The biofuel is produced, marketed and, above all, made available to local transport companies.

### **Strategy**

Access to clean energy is a strategic condition for sustainable development. The fuel produced is sold and used locally. The company assists communities and local businesses to use the biofuel for lamps, generators, cookers and minibuses. The aim is for JSL to become a self-reliant, growing business.

### **Activities**

The communities have allocated 32,000 hectares of their land for reforestation with jatropha and other oil-bearing plants. JSL is also planting a further 500 hectares. The intention is to plant a total 750,000 oil-bearing shrubs and trees. JSL will buy the jatropha seeds from small farmers, assuring them of an income.

In addition, there are a number of technical activities: engines have to be modified to work with biofuel and diesel generators that run on jatropha oil will be introduced. An oil mill with a capacity of 480 litres a day is to be installed in the town of Mahajanga.

The project is introducing equipment to modify minibuses to run on biodiesel. JSL will use the profit from selling the oil to market adapted technologies for the biofuel, which can be used by households, schools and small businesses. The company supplies the communities with affordable lamps and cookers that run on oil, thereby reducing air pollution. It also supports schools and medical centres in the region by supplying biodiesel generators.

### **Results by 30 June 2011**

Five hundred hectares of unused land will have been cultivated for jatropha, yielding 35.5 tonnes of oil a year. The annual energy production from this oil is equal to 400,000 kWh. The project will provide 163 families with a sustainable income. By June 2011, tens of thousands of people will have used local transport driven by jatropha biofuel.

Website: <http://jsl-biofuels.com/>