



# climatmundi

## Wind power in China

The objective of this wind-farm project is to generate renewable electricity using wind power resources, and to sell this electricity to the Ningxia Power Grid.

The project has many advantages : it generates **renewable electricity** that replaces fossil fuel based electricity (mainly coal), it reduces the amounts of other pollutants (SO<sub>2</sub>, NO<sub>x</sub>...), it creates **local employment opportunities**, and it reduces **the region's poverty level**.

This project is registered at the **UNFCCC** (United Nations Framework Convention on Climate Change) as a **CDM\*** project under the number **910**.



### Focus...

The project is located at the eastern Changcheng of southern Helanshan, northwest **Ningxia**. The project is near the Inner Mongolia border.

The 67 wind turbines cover an area of 15 sq. km, each with a capacity of 750 kW. The total power of the project is **50.25 MW** and generates about 97 GWh of electricity per year. This project helps the country diversify its electricity production, and stimulates the growth of wind power in the region and in China.

This project significantly reduces greenhouse gas emissions as well as other harmful gases from combustion (NO<sub>x</sub> or SO<sub>2</sub>, for example).

This project also has other **benefits**: local **jobs** were needed for the construction and operation of the wind turbines. In accordance with local environmental legislation, a preliminary environmental impact assessment was conducted and revealed no major damage on the environment.

Emission reductions were **verified by DNV**, independant entity accredited by the United Nations Framework Convention on Climate Change (UNFCCC).

Emissions reductions

# 92 000

tons CO<sub>2</sub> per year

Credit's type

# VER pre CER

Standard



(\* ) Clean Development Mechanism