

Sustainable Energy Technology at Work - SETatWork

GHANA

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- CDM Ghana Overview

In 1992, Ghana signed the United Nations Framework on Convention on Climate Change and ratified it in 1995. Ghana then acceded to the Kyoto Protocol in 2002, since then the country has had a lot of national and regional discussions on many issues concerning Climatic Change.

Article 12 of Kyoto Protocol, explains the ways by which developing countries such as Ghana could develop sustainable projects that can sustain Climatic Change.

The Government of Ghana as part of the measures put forward within the framework of UNFCCC of Clean Development Mechanism, CDM has set up Designated National Authority (DNA) which is within the Environmental Protection Agency (EPA) for vetting and approving CDM Projects.

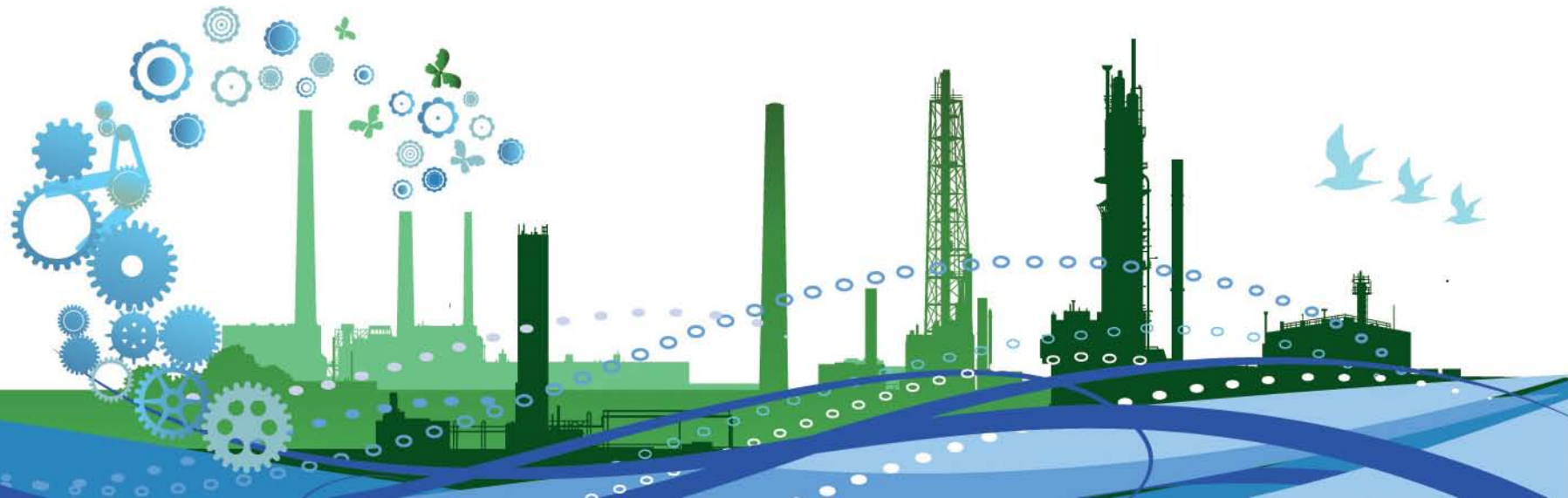
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CDM Market Development

The general financial market in Ghana is flexible and the investment conditions are also good this is because of the stability in the past fifteen years which facilitates Foreign Direct Investment (FDI).

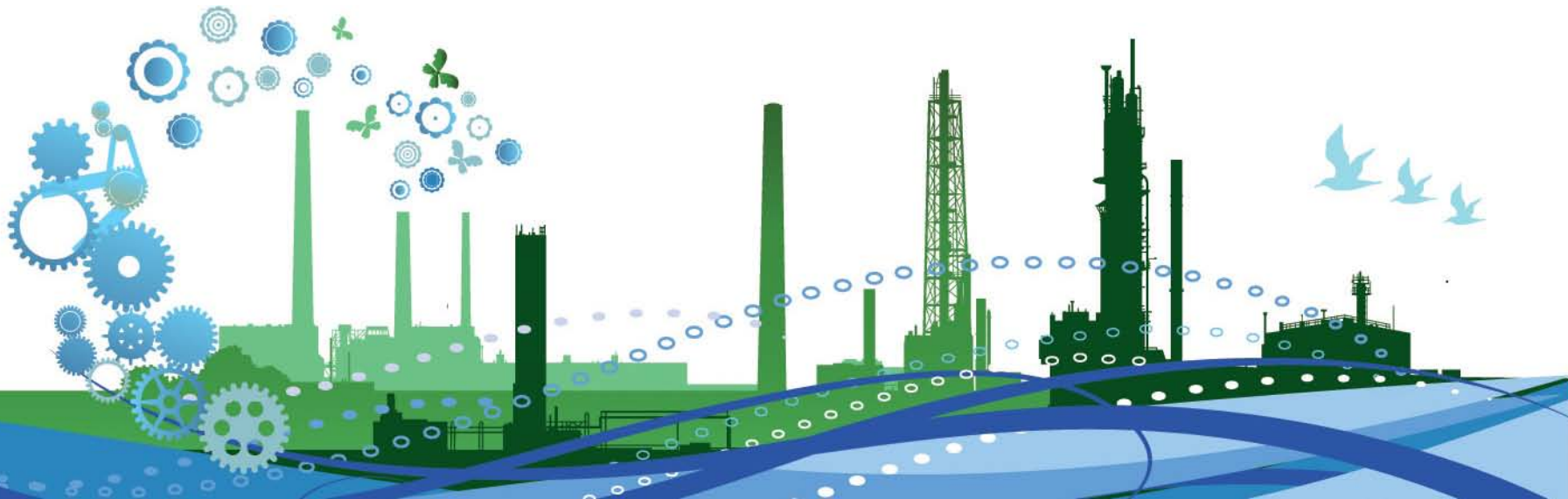
Most CDM projects for example the construction of Bui hydropower station which began in 2007 is mostly Chinese investment. There are also quite a number of Banks both private and state own that are ready to give out credits for good investment projects mostly in the areas of CDM.



CDM Market Development

At the moment there are no barriers of investing in CDM project except that the local people living around the CDM project sites must be consulted and included in the project especially in areas of labour.

The financial crises in the world now will slow down the developing of Carbon markets in Ghana because Ghana depends more on FDI for about 60 percent of national development projects which includes CDM.



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- Need & Opportunities

CDM Project opportunities that could be developed include small scale hydropower, Solar, Natural gas turbine power plants and biomass.

All this CDM projects are possible because there are lots of fresh river(s) are available for small scale hydropower generation.

Since the completion of the West Africa Gas Pipeline WAGP, there are a lot of opportunities for electricity generation using natural gas and biomass which is mainly obtain from waste woods from agricultural produce.

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- Good Practice/Case examples

Type of Industry	Projects
Minerals & Bottling	Recycling of empty and waste bottles
Oil and Refinery (Gas)	Changing from Crude (gas from crude oil) to Ngas for local consumers
Wood Processing	Processing waste wood into bio fuel
Pulp, Printing and Packaging	Recycling of waste papers and Packaging

- SETatWork Intervention

Causing a change in the structures, which will move the power sector away from the existing monopolistic and central structure towards a more decentralized structure that would expose the utilities to competition in both the generation and distribution of electric power.

To encourage private sector participation in terms of investment in the power sector through the establishment of independent power production Schemes and the provision of open access to the transmission system to enhance direct electricity sales by independent producers to consumers.

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- Identified CDM Projects

Name of Project	Project Type	Capacity	Location
Bui Hydropower	Hydropower	400 MW	Brong Ahafo Ghana
Hemang Hydropower	Hydropower	60 MW	Western Ghana
Juale Hydropower	Hydropower	93 MW	Western Ghana
Takoradi Thermal Power	Gas Turbine		Western Ghana

Further Information

Find out more about the activities of SETatWork
and access the SETatWork Database at:

www.SETatWork.eu

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