

# Greenhouse Gas reduction business of Mitsubishi Corporation - CDM projects in Uzbekistan -

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Tsuyoshi Nakamura  
General Manager  
Emissions Reduction Business Unit  
Mitsubishi Corporation

## Greenhouse gas reduction projects under Kyoto Protocol

### 1. United Nations Framework Convention on Climate Change

An international agreement to reduce GHG (Greenhouse gas) emissions to prevent global warming problem.

### 2. Kyoto Protocol

An international scheme to fulfill the purpose of UNFCCC.

- 1) Set GHG reduction target to developed countries (Annex I countries)  
(e.g. Japan:6%, EU:8%...)
- 2) Establish Market mechanism\* to fulfill the target for Annex I countries who have difficulty to achieve their target only with their voluntary effort (eg. Japan).

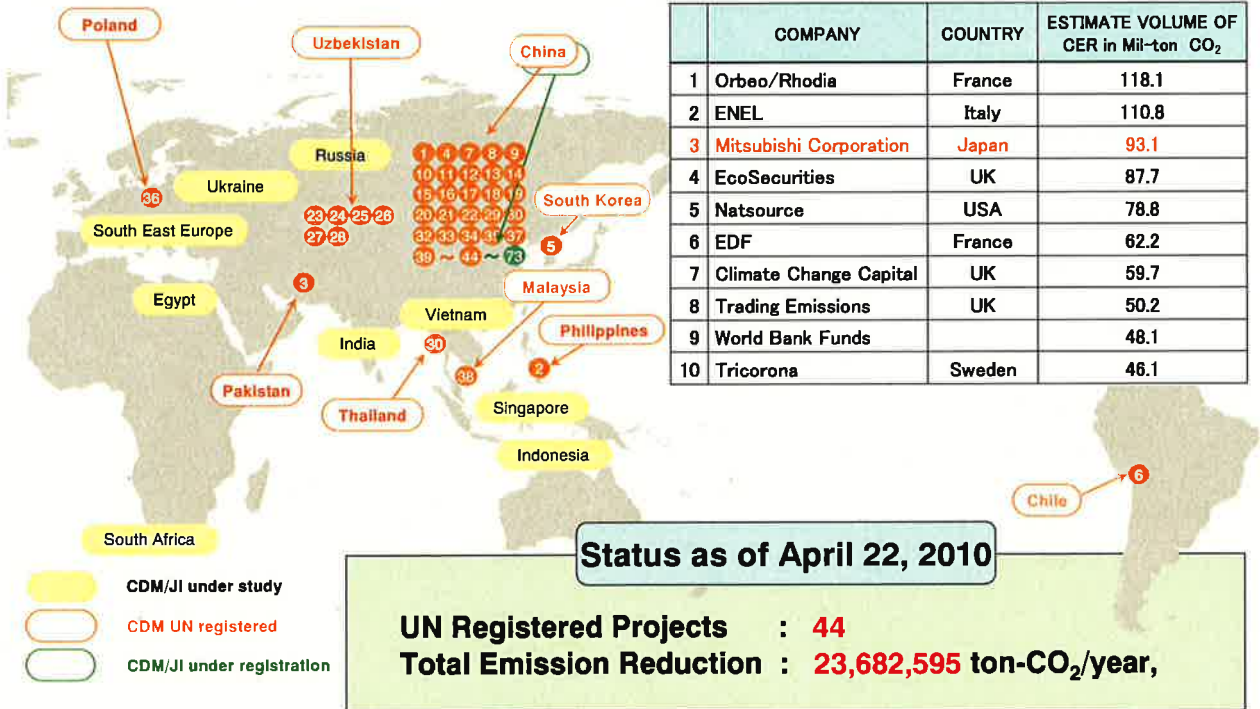
\* UN issue Carbon Credits for GHG reduction projects under Kyoto Protocol, and Annex I countries can buy and use them for their compliance purpose.

***Clean Development Mechanism (CDM): Projects at Non Annex I countries***  
***Joint Implementation (JI): Projects at Annex I countries***

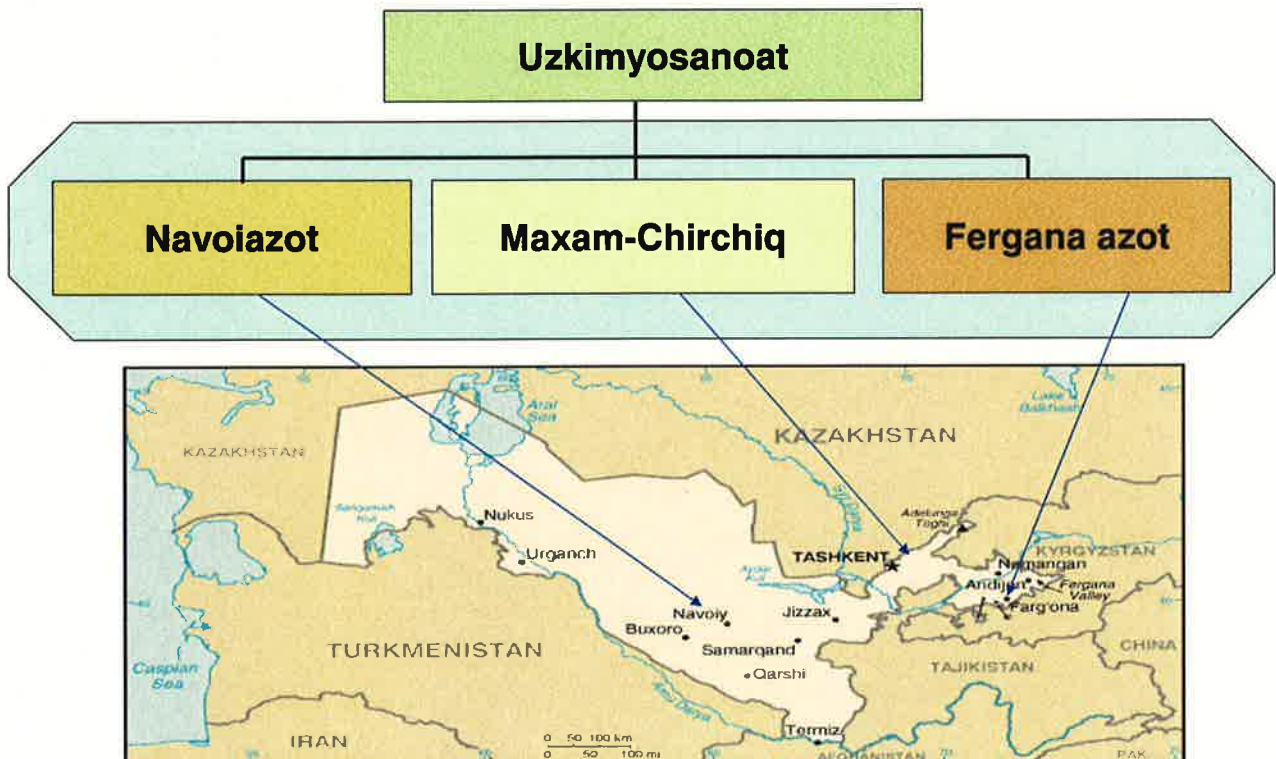
## Mitsubishi's Global experience in CDM/JI business

**TOP 10 CDM Developer**  
(from Reuters on August 8, 2008)

	COMPANY	COUNTRY	ESTIMATE VOLUME OF CER in Mil-ton CO <sub>2</sub>
1	Orbeo/Rhodia	France	118.1
2	ENEL	Italy	110.8
3	Mitsubishi Corporation	Japan	93.1
4	EcoSecurities	UK	87.7
5	Natsource	USA	78.8
6	EDF	France	62.2
7	Climate Change Capital	UK	59.7
8	Trading Emissions	UK	50.2
9	World Bank Funds		48.1
10	Tricorona	Sweden	46.1

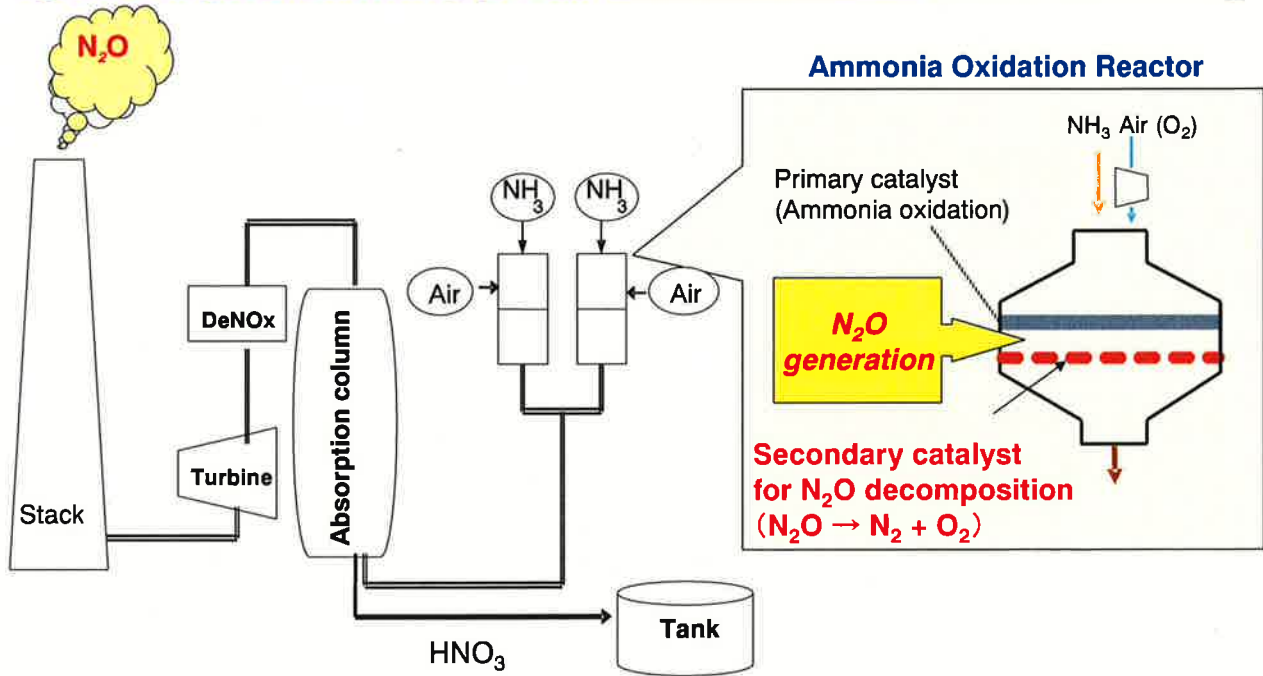


## Uzbekistan CDM - Project Partners & Sites -

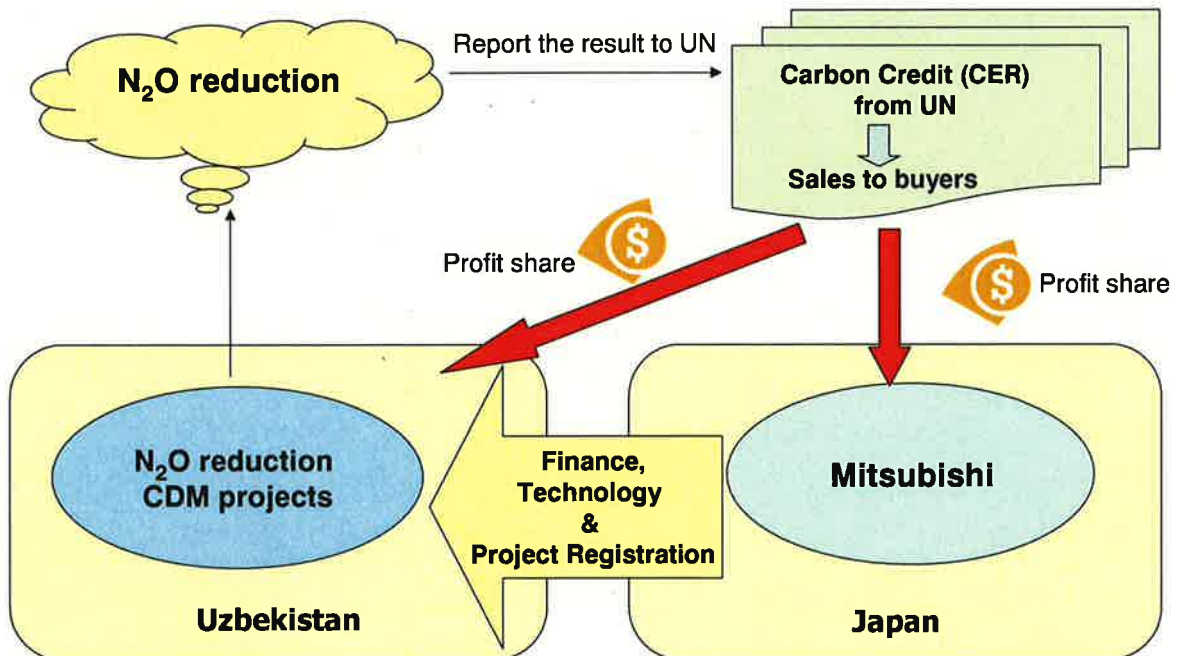


## CDM project at Nitric Acid plants - Decomposition of N<sub>2</sub>O gas -

*N<sub>2</sub>O has a global warming potential of 310 times more than that of CO<sub>2</sub>*



## Project Scheme



# Project Overview

## First and Largest CDM projects in Central Asia

**Navoi azot**  
Start of N<sub>2</sub>O reduction: Aug, 2009  
(4 production lines = 4 CDM projects)



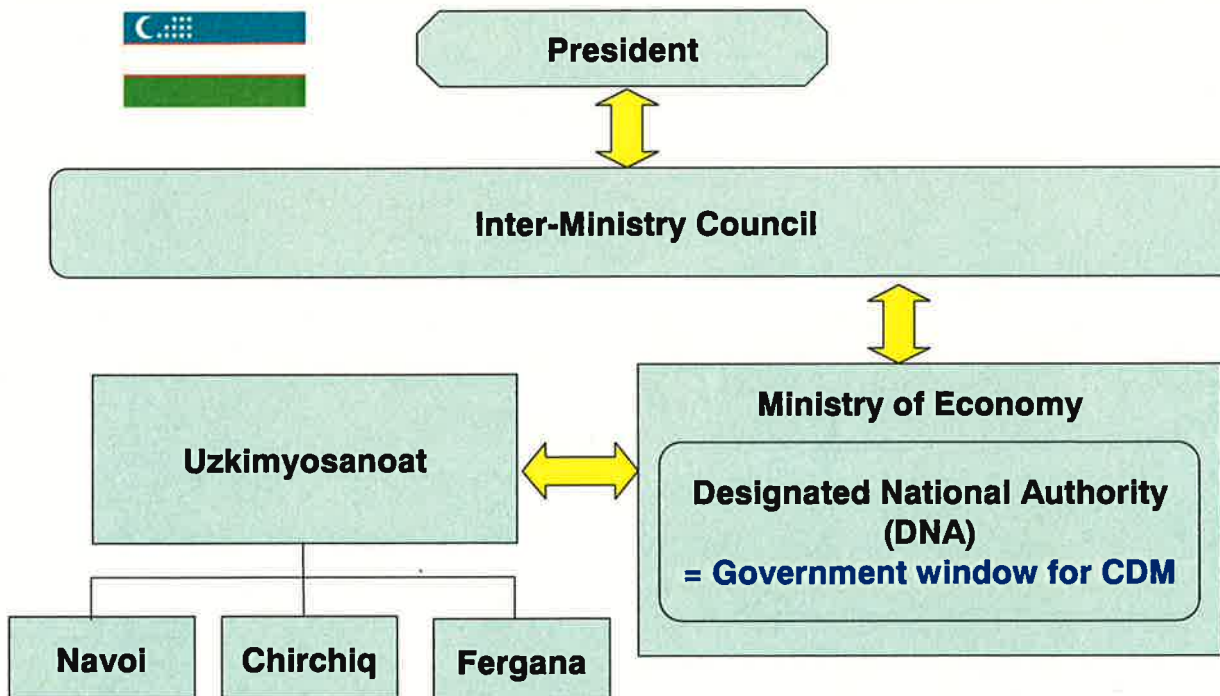
**Maxam - Chirchiq**  
Start of N<sub>2</sub>O reduction: Oct, 2009



**Fergana azot**  
Start of N<sub>2</sub>O reduction: Apr, 2010



# Strong Support from Uzbekistan Government



**Presidential Resolution issued to support the CDM projects**