

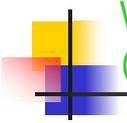


Twelfth Northeast Asian Conference on
Environmental Cooperation

Hyogo-Type CDM Facilitation Program

November 2003

Hyogo Environmental Advancement Association



**What is the Clean Development Mechanism
(CDM)?**

- **CDM**
A system that uses financial and technological assistance from developed countries to implement projects in developing countries, such as projects to reduce greenhouse gas emissions. Developed countries get the equivalent of all or part of the GHG reductions achieved by those projects as their own assigned amounts, and can use them toward achieving their own reduction targets.



Environment Ministry Initiatives

■ The Start of Initiatives

In 1999 the ministry began studies to explore and assess the feasibility of projects that appear appropriate for the CDM.

■ Overview of Initiatives

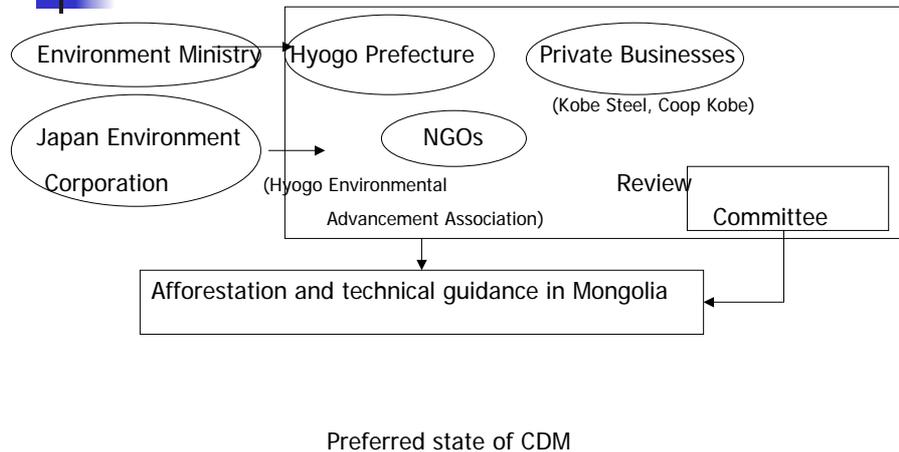
Local governments, NGOs, and other organizations chosen from among applicants play the leading role in performing field surveys (in developing countries and other locations), developing and supporting project implementation plans, and assessing the possibilities of project success.



Purposes of the Hyogo-Type CDM Facilitation Program

- Lend technological support to initiatives that are implemented by pacesetting private businesses and organizations, and that involve the use of international environmental cooperation and the CDM.
- Seek understanding for the possibilities of CDM projects by companies and other entities in Hyogo Prefecture, and encourage participation in international environmental cooperation sparked by such projects (consider ways to encourage participation).

How the Hyogo-Type CDM Facilitation Program Works



History and Background of the Hyogo-Type CDM Facilitation Program (1)

■ July 1998

A mission visited Mongolia to observe afforestation activities by the Coop Kobe "Coop Green Road Movement"

■ February 1999

- Vice-minister of the Mongolian Ministry of Nature and Environment, Basandoruje, visits Hyogo Prefecture.
 - Request for cooperation in the recovery of 5 million ha of forest lost due to major fires in 1996 and 1997.
- Prefecture calls on businesses and other entities for help. Coop Kobe and Kobe Steel cooperate.



State of Forests after Fire



History and Background of the Hyogo-Type CDM Facilitation Program (2)

- **September 1999**
 - Hyogo Environmental Advancement Association receives commission for CDM Project Study from Global Environment Centre Foundation (GEC).
 - Conducts CDM feasibility study on "Mongolian Forest Regeneration Plan" (1999-2000).
 - Now conducting the "Project for an International Forum on Forest Regeneration and Facilitating the CDM" in Mongolia with a grant from the Japan Environment Corporation (2001-2003).

History and Background of the Hyogo-Type CDM Facilitation Program (3)

■ June 2001

- Hyogo Prefecture launches Hyogo-Type CDM Facilitation Program Project as an Environment Ministry "International Environmental Cooperation Model Project.
- Links up with Hyogo Environmental Advancement Association's "Mongolian Forest Regeneration Plan Assistance Project" (2001-2003; in 2003 the Hyogo Environmental Advancement Association will implement the plan under a commission from the Overseas Environmental Cooperation Center).

Hyogo-Type CDM Facilitation Program Project Plan

	2001	2002	2003
Hyogo Prefecture	<ul style="list-style-type: none"> •Review Committee (twice a year) •On-site studies and guidance by experts 	→	<ul style="list-style-type: none"> •CDM Project Manual
Hyogo Environmental Advancement Association	<ul style="list-style-type: none"> •Preliminary survey •International forum (Mongolia) •Asking businesses and others to get involved 	<ul style="list-style-type: none"> •Monitoring of afforestation area •International forum (Mongolia) 	<ul style="list-style-type: none"> •Invitations to engineers, training •International forum (Mongolia)



Hyogo-Type CDM Facilitation Program Project Description

1. Studies to ascertain the state of initiatives by businesses and involved organizations in the prefecture
2. Meetings of Hyogo-type CDM Facilitation Review Committee
3. Visits to afforestation sites in Mongolia
4. Cooperation with International Forum on Mongolian Forest Regeneration



1. Creation of Review Committee

■ Main items considered

- Forest CO₂ sink effectiveness
- The role of local governments in initiating CDM projects
- Effective afforestation techniques abroad (Mongolia)

■ Committee members (7)

- Prof. Yoshio Yamanaka (Osaka Gakuin University)
- Prof. Hisakazu Kato (Nagoya University)
- Assistant Prof. Makoto Kawamura (Kyoto University)
- Yutaka Miyakawa, Vice-President (Association of Environmental Conservation Administrators)
- Taiichiro Suda, Department Manager (Kansai Electric Power Co.)
- Masaaki Minamikawa, Department Manager (Coop Kobe)
- Etsuo Kobayashi, Vice Chair of the Board of Directors (Hyogo Environmental Advancement Association)



2. Determining the Situation: Conducting Field Surveys (1)

■ First survey: July 1-7, 2001

Participants: Technical specialists from the Hyogo Environmental Advancement Association and the Forest and Verdure Public Corporation.

Activities: Establishing monitoring area, visits to afforestation area and to seedling nursery, asking for cooperation through participation in international forum, exchanging views with NGOs

■ Second survey: August 9-15, 2001

Participants: Review Committee members, and officials from Hyogo Prefecture, the Hyogo Environmental Advancement Association, Coop Kobe, and Kobe Steel

Activities: Visits to afforestation area and to seedling nursery, international forum



2. Determining the Situation: Conducting Field Surveys (2)

■ Third survey: August 20-26, 2002

Participants: Review Committee members, and technical specialists and others from Hyogo Prefecture, the Hyogo Environmental Advancement Association, and the Hyogo Public Corporation of Greenery

Activities: Confirmation of monitoring findings, visits to afforestation area and to seedling nursery, international forum

2. Determining the Situation: Conducting Field Surveys (3)

■ Fourth survey: August 19-25, 2003

Participants: Review Committee members and technical specialists and others from Hyogo Prefecture, the Hyogo Environmental Advancement Association, and the Hyogo Greenery Public Corporation

Activities: Confirmation of monitoring findings, visits to afforestation area and to seedling nursery, afforestation work, international forum

Afforested Area Survey



Seedling Nursery



3. Mongolian Forest Regeneration Forum (1)

- August 12, 2001
- Genghis Khan Hotel, Ulan Bator
- Host organization: Hyogo Environmental Advancement Association
- Keynote addresses
 - "Mongolia's Afforestation Policy" Executive Director Dorjsuren
 - "Social Systems for Forest Conservation and Management" Prof. Hisakazu Kato
 - "The Environmental Conservation Effect of Forests" Prof. Yoshio Yamanaka, et al.
- Panel discussion
 - Theme: Future Outlook for Afforestation Activities in Mongolia



3. Mongolian Forest Regeneration Forum (2)

- August 22, 2002
- Mongolia-Japan Center, Ulan Bator
- Host organization: Hyogo Environmental Advancement Association
- Keynote addresses
 - "Afforestation Methods in Mongolia, and Results of Afforestation Research in Selenge Province" Executive Director Dorjsuren
 - "Japan's Measures to Arrest Global Warming as Required by Having Signed the Kyoto Protocol" Prof. Yoshio Yamanaka
 - "Sustainable Use of Mongolia's Northern Forests" Assistant Prof. Makoto Kawamura, et al.
- Panel discussion



3. Mongolian Forest Regeneration Forum (3)

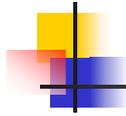
- August 21, 2003
- Mongolia-Japan Center, Ulan Bator
- Host organization: Hyogo Environmental Advancement Association
- Keynote addresses
 - "Summation of Afforestation Monitoring Study in the Selenge Area" Executive Director Dorjsuren
 - "International Cooperation for the Regeneration and Management of Mongolia's Forests: Achievements to Date and Future Outlook" Prof. Hisakazu Kato
 - "Forest Regeneration Projects and the CDM" Prof. Yoshio Yamanaka, et al.
- Panel discussion

Mongolian Forest Regeneration Forum in Session



Summary of the Hyogo-Type CDM Facilitation Program

- Preparation of Hyogo-Type CDM Project Manual
 1. Guidance in Hyogo-type CDM Projects
 - An example from Mongolia
 - CDM project flow (with Mongolia as an example)
 - Example of a CDM project study
 2. Results of Case Studies and Other Examples in Hyogo Prefecture
 3. The Desirable Form of Hyogo-Type CDM Projects
 - Case studies



Future Developments

- Encourage Hyogo Prefecture businesses, organizations, and other entities to get involved in international environmental cooperation.
- Promote the program by distributing copies of the Hyogo-type CDM Project Manual.
- Hold forums