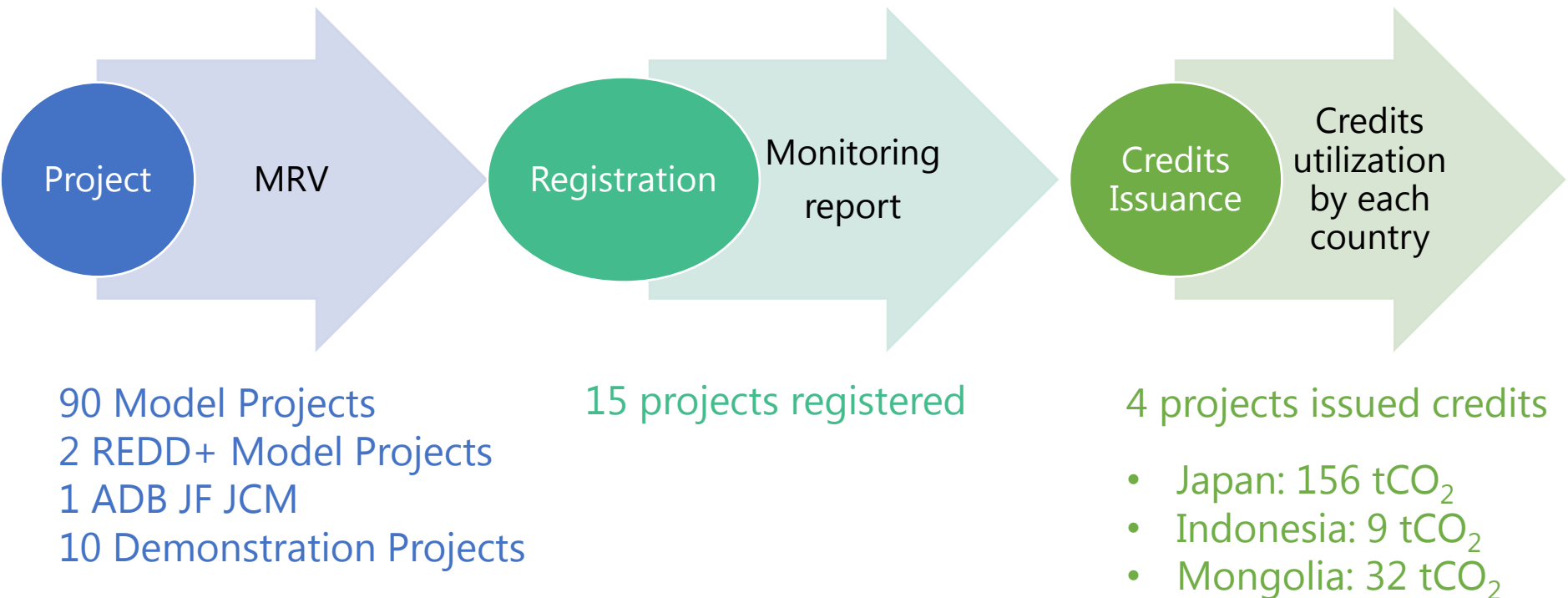


Updates on JCM projects, financing programme, and JCM Matchmaking Platform

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Climate and Energy Area, IGES

Workshop on the Joint Crediting Mechanism – Promoting Low-Carbon Projects in Mongolia
Ulaanbaatar, 14 December 2016

Current status of JCM projects in the world



15 projects registered by Joint Committees

Country	Technology Type	Location
Mongolia	Heat Only Boilers	118th School of Ulaanbaatar
Mongolia	Heat Only Boilers	Bornuur soum public facilities
Indonesia	Cooling system (refrigerator, freezer)	Frozen Food Processing Plant
Indonesia	Cooling system (refrigerator, freezer)	Food Industry Cold Storage
Indonesia	Centrifugal Chiller	Textile factory
Indonesia	Centrifugal Chiller	Textile factory
Indonesia	Centrifugal Chiller	Textile factory
Indonesia	AC System, LED Lighting, Fridge/Freezer	Convenience store
Vietnam	Tachograph	Trucks, trailers
Vietnam	Inverter-type room air conditioners	Hospitals
Vietnam	Amorphous transformers	Electricity grid
Vietnam	Boiler, heat pump, LED lighting	Hotel
Palau	Small-scale Solar PV	School rooftop
Palau	Small-scale Solar PV	Building rooftop
Palau	Small-scale Solar PV	Building rooftop



JCM credits issued
to Japanese and Host
country side

Financing opportunities from the JCM

Financing programs by Ministry of the Environment, Japan:

JCM Model Project

- Funds part of **initial investment costs (less than half)** to facilitate dissemination of low-carbon technologies.
- Covers projects that **reduce energy-related CO₂ emissions**.
- Includes projects in collaboration with JICA and other government-affiliated financial institute.

JCM REDD+ Model Project

- Finances part of project cost for REDD+ projects.
- Participatory monitoring of illegal logging, disaster prevention, forest restoration, provision of alternative livelihoods.

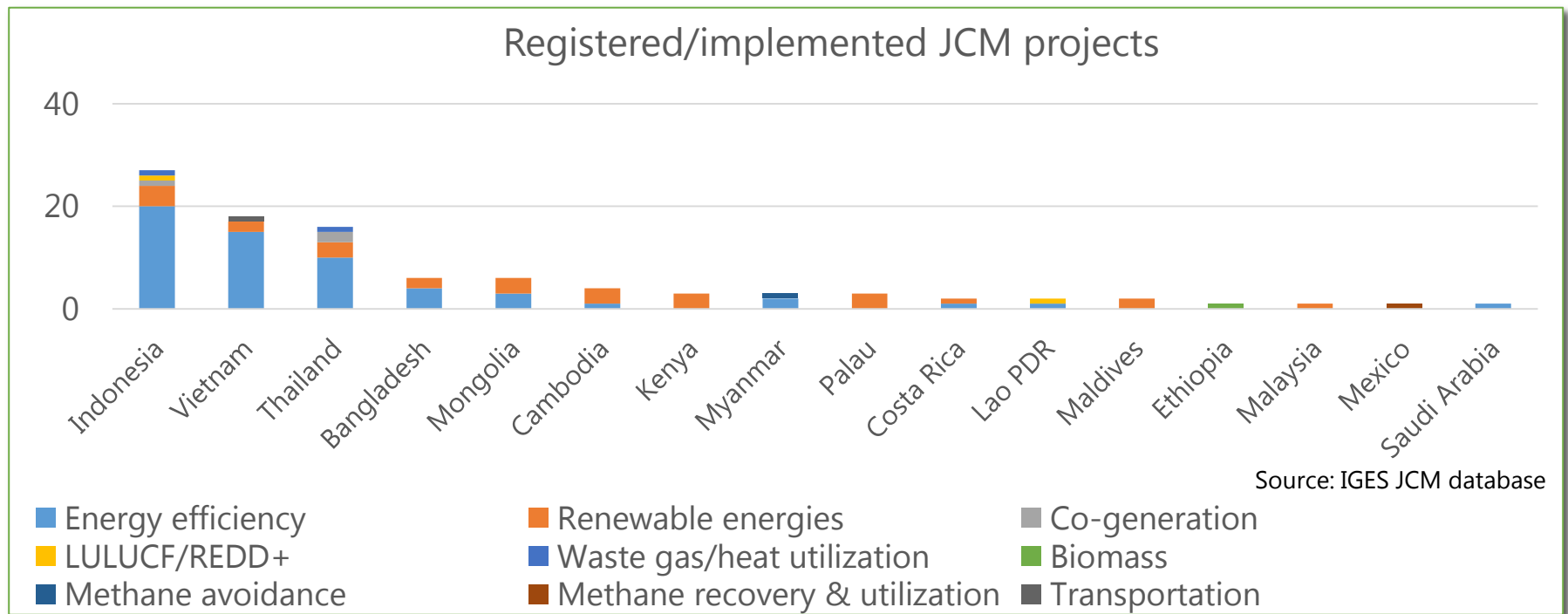
ADB Japan Fund for JCM (JF JCM)

- Grant for incremental cost of technologies for projects under public and state-owned entities.
- Interest subsidy to ADB-financed loans for non-government projects, to private sector borrowers and financial institutions.

More info: [GEC website - JCM Model Projects Public Offering Guidelines tentative translation](http://gec.jp/jcm/kobo/mp/(tentative)Public%20Offering%20Guidelines.pdf)
[http://gec.jp/jcm/kobo/mp/\(tentative\)Public%20Offering%20Guidelines.pdf](http://gec.jp/jcm/kobo/mp/(tentative)Public%20Offering%20Guidelines.pdf)

Overview of projects under JCM financing programs

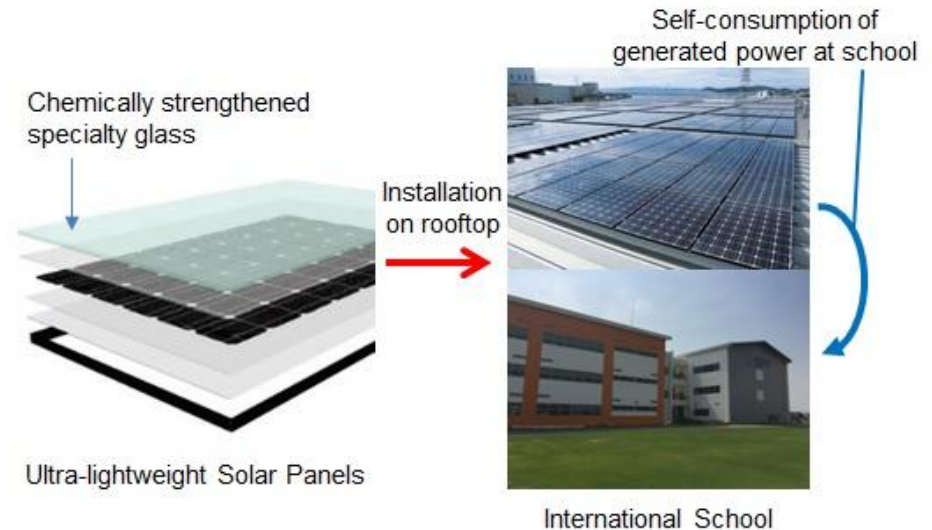
- Energy efficiency and renewable energy (solar PV) are popular.
- There are also projects in transportation and methane avoidance sector.



Estimated GHG ER achieved by active projects: more than 900,000 tCO₂/year

Ultra-lightweight Solar Panels for Power Generation at International School (Cambodia)

Objective of project	Reduce grid electricity consumption and contribute to lower greenhouse gas emissions by introduction of the 200kW ultra-lightweight solar power generation system on the rooftop and self-consumption of the generated electricity at the International School in Phnom Penh.
Expected GHG Emission Reductions	190 tCO ₂ / year

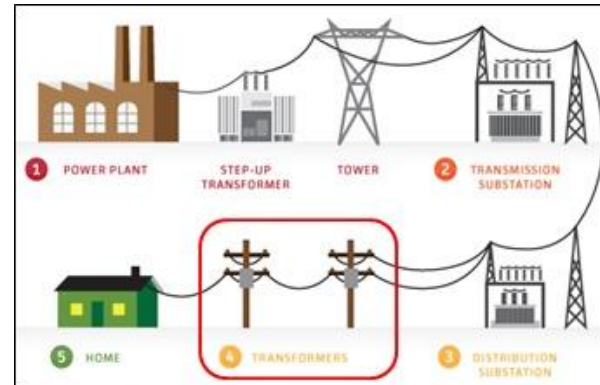


Source: http://gec.jp/jcm/projects/15pro_cam_02.html

The methodology for solar PV in Mongolia is available: <https://www.jcm.go.jp/mn-jp/methodologies/44>

Amorphous High Efficiency Transformers in Southern and Central Power Grids (Vietnam)

Objective of project	Reduce CO ₂ emission through the promotion of amorphous high efficiency transformers in southern and central power distribution systems of Vietnam. 4,834 transformers in total are introduced to realize a reduction of distribution losses which contribute to CO ₂ emission reduction.
Expected GHG Emission Reductions	4,402 tCO ₂ / year



Amorphous high Efficiency transformer

“④TRANSFORMERS” in the above are the subjects of the project.

Source: http://gec.jp/jcm/projects/15pro_vie_05.html

Review on proposed project submitted on call for proposals for JCM Model Project

Eligibility Review

- ✓ Eligibility of participant
- ✓ Project expected to reduce emissions
- ✓ Inadequate utilization of the technology in the partner country
- ✓ Superiority of the technology
- ✓ Project have no adverse effect on the environment or social-economic circumstances
- ✓ Project expense appropriately estimated
- ✓ Shall not receive any other financial support or grant from the Government of Japan.
- ✓ For collaboration project with JICA etc.: project contribute to the climate change mitigation in collaboration with JICA or other government-affiliated financial institution

Pass
Review

Assessment Review

- ✓ Robustness of the project implementation 40 points
 - ✓ Amount of emission reductions of energy-related CO₂, and cost-effectiveness of emission reductions 40 points
 - ✓ Potential of the dissemination of the technology 10 points
 - ✓ Concept for developing JCM methodology and its developing status 10 points
- 100 points in total

Benefits for selected project: financial support and technical support

Guidelines for Submitting Proposals: <http://gec.jp/jcm/kobo/index.html> (Call for Proposals)

Financial support for JCM Model Project

from Ministry of Environment Japan

Who is eligible for receiving the financial support?

An international consortium composed of a JCM partner-country participants and Japanese participants, represented by the Japanese participant.

How much is the available budget*?

JCM Model Project: approx. USD 67 million (2016-2018)

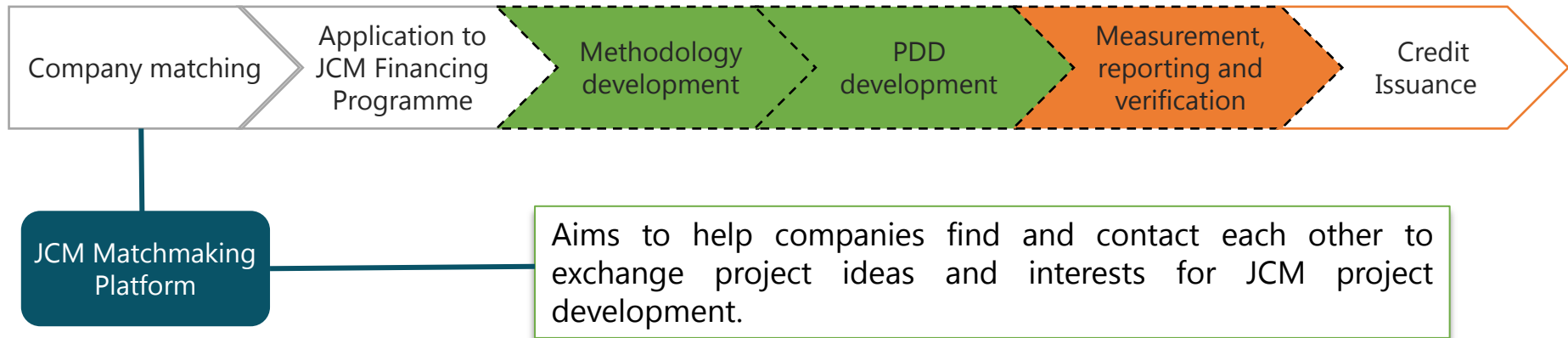
ADB JF JCM: approx. USD 43 million (2014-2016)

*some financial support were already disbursed from this budget.

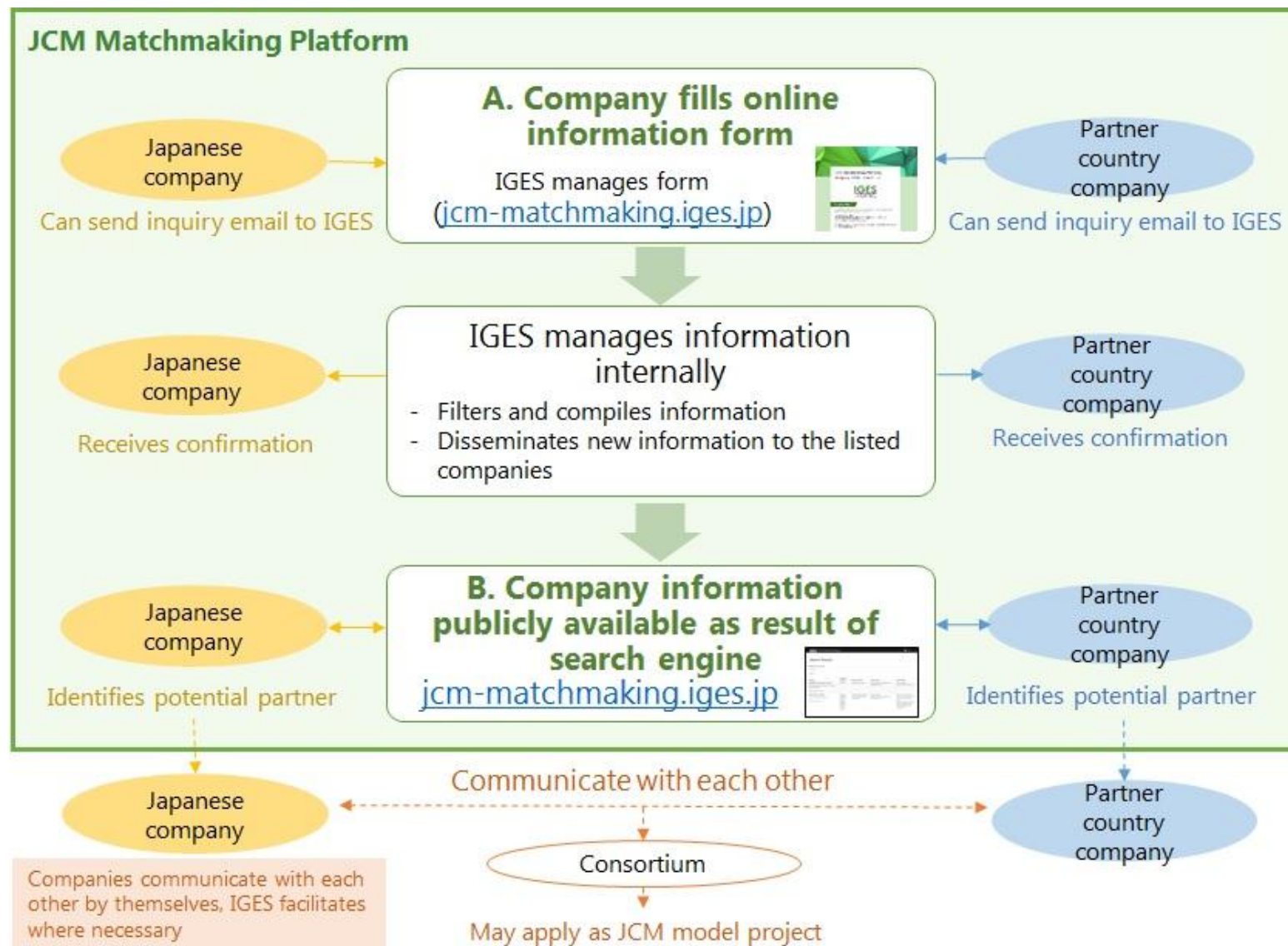
How much can a project get?

Number of already selected projects using a similar technology in each partner country	% of financial support for new project application
No project (0)	Up to 50% (determined by participants)
1-3 projects	Up to 40% (determined by participants)
More than 3 projects	Up to 30% (determined by participants)

IGES technical support



JCM Matchmaking Platform



JCM Matchmaking Platform: Online company information form

Fill form to be included in the Platform

JCM Matchmaking Platform,
Company Information Form

IGES
Institute for Global
Environmental Strategies

Purpose of this form

By submitting this form, you will allow IGES to publish the information disclosed on its website through the JCM Matchmaking Platform.

This publication allows to:

- provide more visibility to your company or organisation's interest in the JCM;
- facilitate matchmaking with potential JCM partners;
- initiate to potential JCM project development

Note that this form is for information sharing only and does not constitute an application for project or an official statement.

NEXT

Page 1 of 4

Information to be submitted:

- 1. Company information** (name, location, countries of operation, etc.)
- 2. Project and technology of interest**
 - Project sector of interest
 - Technology/services/expertise you seek or offer: energy industry, energy-efficient equipment, energy distribution, transportation, biomass, biogas, waste handling and disposal, REDD+, forestry, services, etc.
- 3. Contact information**
 - Company contacts
 - Contact person name, email, phone number

- This form is for information sharing only, not official project application or statement.
- This Platform does not guarantee finding potential project partner.
- Voluntary submission of this form by companies means allowing IGES to publish the information on IGES website through the JCM Matchmaking Platform.

JCM Matchmaking Platform: Company search engine

- Search by technology, country, company name, project sector, etc.

- Example search: "Mongolia"

Results: 1) Listed Mongolian companies

2) Listed Japanese companies interested in doing activities in Mongolia

E-mail and phone number information, technologies the companies seek or offer, project sector of interest. Companies contact each other directly.

Search engine: free search

The screenshot shows the IGES JCM Matchmaking search engine homepage. It features a search bar with the text "Please enter a search term:" and a "Submit" button. Below the search bar, there is a "Welcome to the JCM Matchmaking Platform" message. The page also includes a "How to search:" section with instructions on how to use the search engine and examples of search terms.

Results page

The screenshot shows the IGES JCM Matchmaking search results page. It displays a table of search results for the query "cambodia". The table has five columns: Company, Countries of Operation, Business Sectors, Project Sectors, and Technologies. The results include companies like Battambang Agro Industry Co. (BAI) and IGES Climate and Energy.

Company	Countries of Operation	Business Sectors	Project Sectors	Technologies
Battambang Agro Industry Co. (BAI) Ms. Hiepavann Kimsanorrasade, Mr. Chheang Kimgeoth Email	Cambodia	Agriculture and forestry	Energy industries (renewable-non renewable sources)	Biogas, cassava Solar power, photovoltaic (PV)
http://www.bai-kt.com/				
IGES Climate and Energy Aryane Amelina Email , Call	Cambodia Bangladesh Indonesia Thailand Philippines Mongolia Myanmar Lao PDR Vietnam	Methodology development Project development and management	Energy efficiency Energy industries (renewable-non renewable sources)	Boiler, heat recovery boiler Solar power, photovoltaic (PV) Hydro power, small hydro power Chiller, absorption, centrifugal Methodology development Project development and management
http://www.iges.or.jp/				

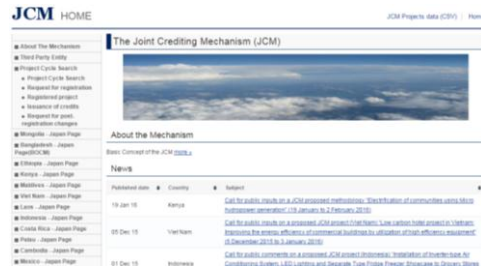
- Whilst information provided by this search engine is believed to be true and accurate at the date of going to press, IGES cannot accept any legal responsibility or liability for any errors or omissions that may have been made.
- For any query related to the companies, please contact the companies directly.
- For any query related to this search engine, please contact IGES.

<http://jcm-matchmaking.iges.jp/>

For further information

Official JCM Webpage: rules and guidelines, JCM methodology, projects

<https://www.jcm.go.jp/>



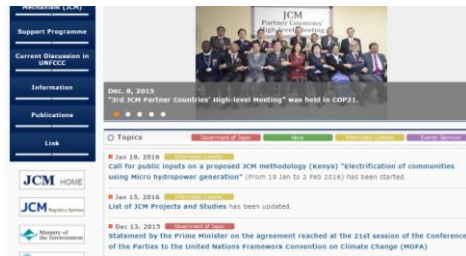
GEC website: call for proposals, financial and project development, feasibility study, JCM booklet

<http://gec.jp/jcm/index.html>



New Mechanisms Information Platform: recent development of the

<http://www.mmechanisms.org/e/>



IGES JCM Database: details of methodologies, projects, feasibility studies

<http://bit.ly/igesjcmdbase>

Project Number	Name	Project Description	Region	Start Year	Project Period (start - end)	Project Period (start - end)	Type of Project	Implementation Mechanism
0001	Energy Saving for Air Conditioning and Lighting (ESCAL) for Commercial Buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0002	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0003	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0004	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0005	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0006	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0007	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0008	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0009	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public
0010	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Energy saving for air conditioning and lighting in commercial buildings in Tokyo	Asia	2008	2008-2012	2008-2012	Energy efficiency	Public