

# JCM Indonesia

## Application Procedures

Rini Setiawati  
Indonesia JCM Secretariat

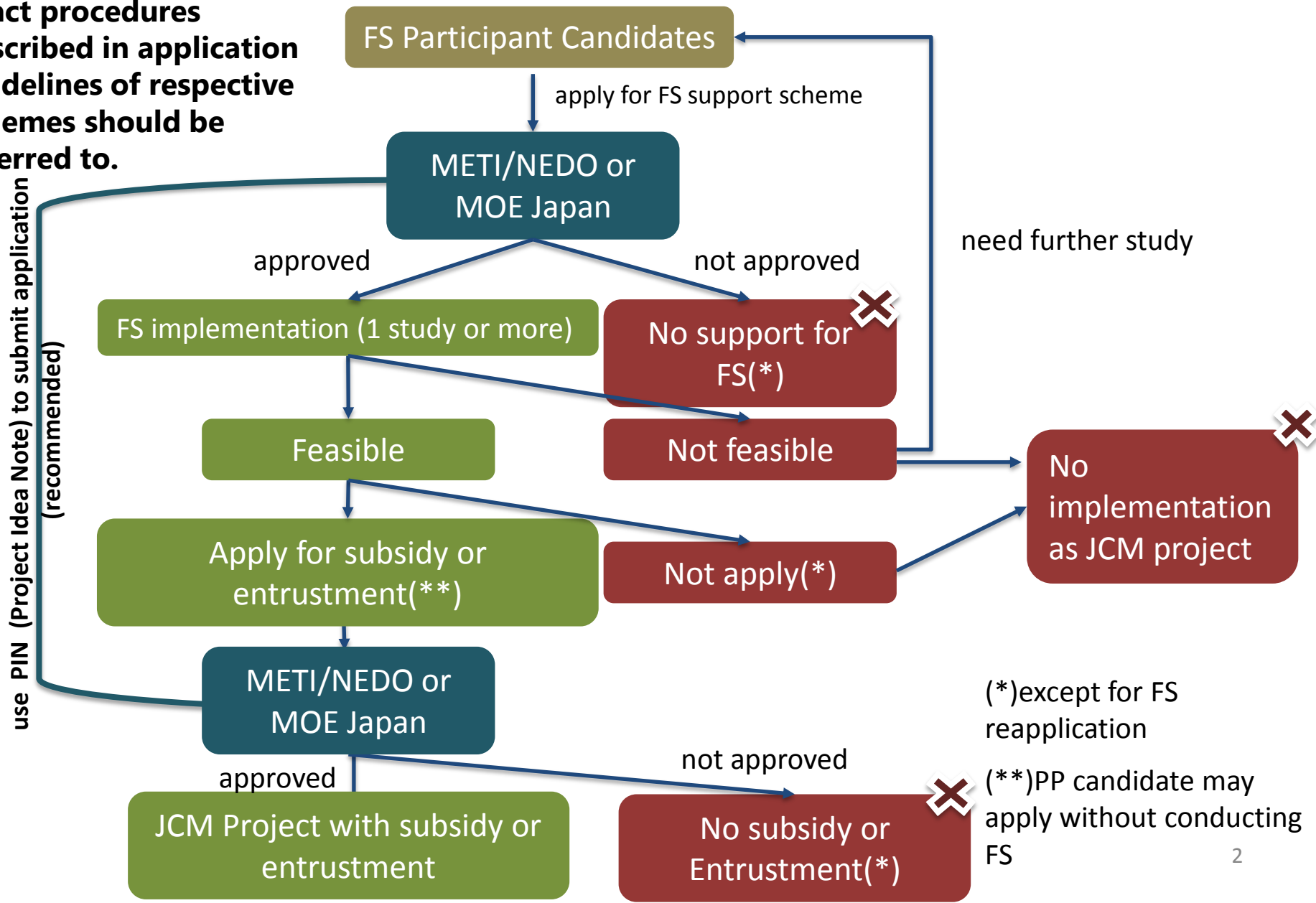


Coordinating Ministry  
for Economic Affairs  
Republic of Indonesia

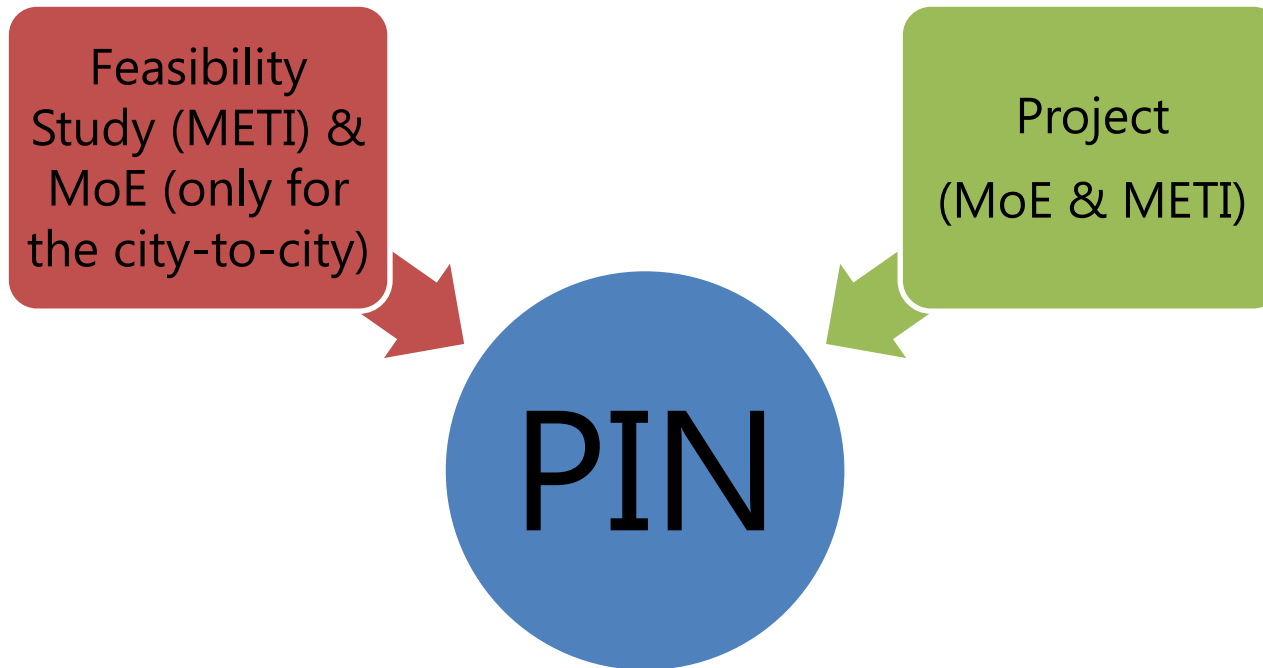


# From FS to Project

**Exact procedures described in application guidelines of respective schemes should be referred to.**



# Project Idea Note (PIN)



## Some aspects to be considered in proposing an FS or project are:

- The activities: Reduction/removal of GHG emission within the JCM sectoral scope
- Located within Republic of Indonesia
- The FS or project should be able to be measured, reported and verified
- The project has to be collaboration between Japanese and Indonesian entities
- Deployment of state of art technology
- Potential participant can learn from the completed JCM FS as a reference

# Project Idea Note (PIN)

## Project Idea Note for the JCM Model Project or Leap-Frog Project

Document release date	(DD/MM/YYYY)
Title of the proposed project	
The contact detail of the project	<p>Name of contact entity etc:</p> <p>Name and position of contact person:</p> <p>E-mail of contact person:</p> <p>Phone number of contact person:</p> <p>Address of contact entity etc:</p> <p>Website of contact entity etc:</p>
Japanese participant[s] for the project and their roles in the project <i>(including names of personnel)</i>	<p>Name of entity etc:</p> <p>(Name and position of contact person: )</p> <p>(E-mail of contact person: )</p> <p>(Phone number of contact person: )</p> <p>Address of contact entity etc:</p> <p>Website of contact entity etc:</p> <p>Roles:</p> <p>Name of participant:</p> <p>(Name and position of contact person: )</p> <p>(E-mail of contact person: )</p> <p>(Phone number of contact person: )</p> <p>Address of contact entity etc:</p> <p>Website of contact entity etc:</p> <p>Roles:</p>
Indonesian participant[s] for the project and their roles in the project <i>(including names of personnel)</i>	<p>Name of participant:</p> <p>(Name and position of contact person: )</p> <p>(E-mail of contact person: )</p> <p>(Phone number of contact person: )</p> <p>Address of contact entity etc:</p> <p>Website of contact entity etc:</p> <p>Roles:</p>

	<p>Name of participant:</p> <p>(Name and position of contact person: )</p> <p>(E-mail of contact person: )</p> <p>(Phone number of contact person: )</p> <p>Address of contact entity etc:</p> <p>Website of contact entity etc:</p> <p>Roles:</p>
<p>Brief summary of the project</p> <p>Example:</p> <ul style="list-style-type: none"> <li>➤ Objective of the project</li> <li>➤ Location of the project</li> <li>➤ Scale of investment including planned source of investment</li> <li>➤ Technology[ies] to be adopted for the project, and brief description of the technology[ies]</li> <li>➤ Project implementation scheme, and role of each participant</li> <li>➤ Current status and progress of the project</li> </ul>	
Rough estimation of expected GHG emission reductions (unit: tCO <sub>2</sub> /year)	
Expected schedule up to the EPC completion and the registration under the JCM	
Capacity building activity for the Indonesian participant[s] (cf. training on operation and maintenance of newly installed equipments, information sharing among stakeholders, organizing workshops, and/or study tour to Japan)	

# Filling the PIN

Criteria	Detail
Document release date	DD/MM/YYYY
Title of the proposed study (project)	
The contact detail of the study (project)	<ul style="list-style-type: none"> <li>• Name of contact entity etc;</li> <li>• Name and position of contact person;</li> <li>• E-mail of contact person;</li> <li>• Phone number of contact person;</li> <li>• Address of contact entity etc;</li> <li>• Website of contact entity etc.</li> </ul>
Japanese participant[s] for the study (project) and their roles in the project ( <i>including names of personnel</i> )	<ul style="list-style-type: none"> <li>• Name of participant;</li> <li>• Name and position of contact person;</li> <li>• E-mail of contact person;</li> <li>• Phone number of contact person;</li> <li>• Address of contact entity etc;</li> <li>• Website of contact entity etc;</li> <li>• Roles.</li> </ul>

# Filling the PIN

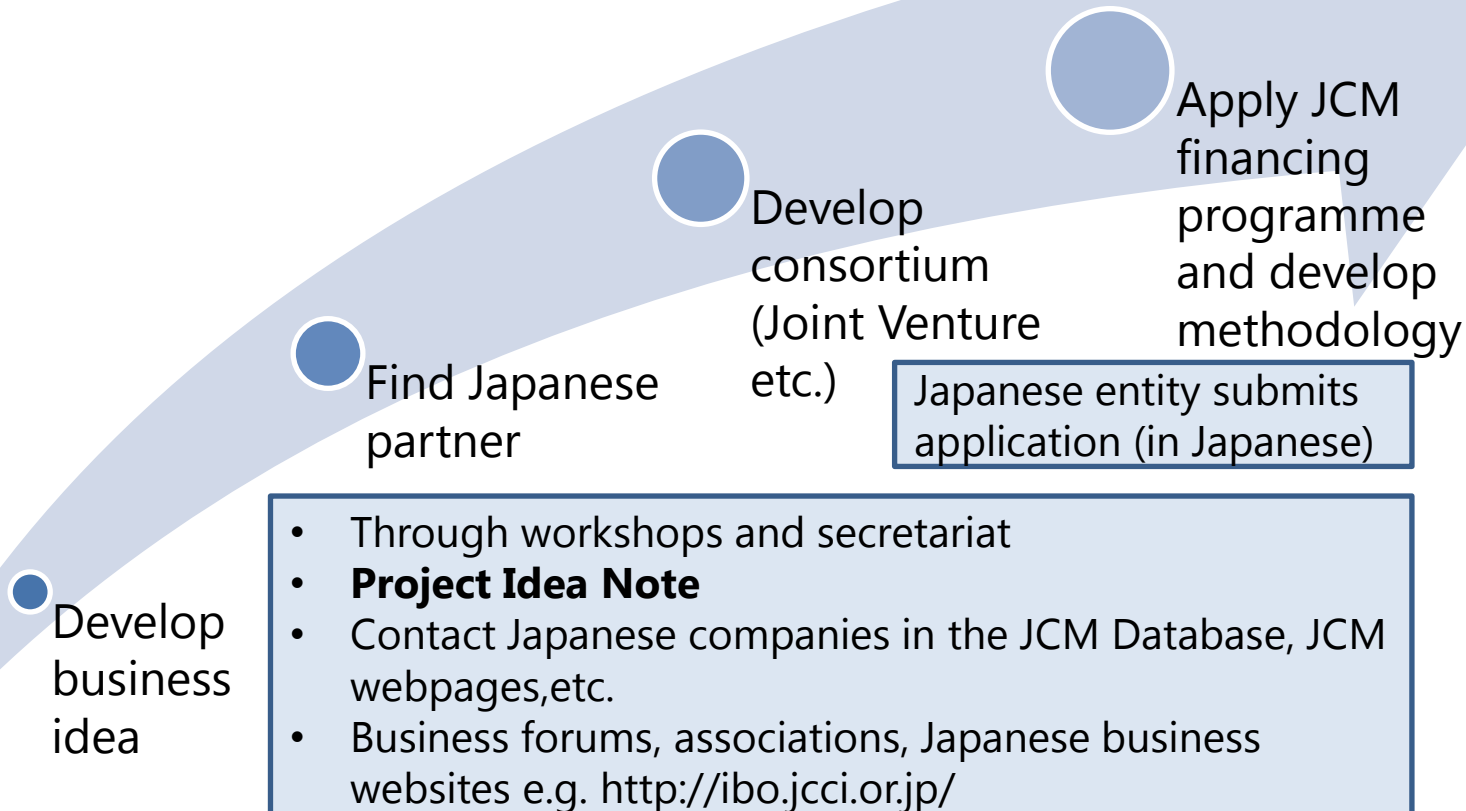
Criteria	Detail
<p>Indonesian participant[s] for the study (project) and their roles in the project (<i>including names of personnel</i>)</p>	<ul style="list-style-type: none"> <li>• Name of participant;</li> <li>• Name and position of contact person;</li> <li>• E-mail of contact person;</li> <li>• Phone number of contact person;</li> <li>• Address of contact entity ;</li> <li>• Website of contact entity;</li> <li>• Roles.</li> </ul>
<p>Brief summary of the study (project)</p>	<ul style="list-style-type: none"> <li>• Objective of the study (project);</li> <li>• Location of the study (project);</li> <li>• Scale of investment including planned source of investment;</li> <li>• Technology[ies] to be adopted for the study (project), and brief description of the technology[ies];</li> <li>• Project implementation scheme, and role of each participant;</li> <li>• Current status and progress of the study (project) including planned timeline;</li> </ul>

# Filling the PIN

Criteria	Detail
Rough estimation of expected GHG emission reductions (unit: tCO <sub>2</sub> /year)	
Expected schedule up to the EPC completion and the registration under the JCM	
<p>FS: Capacity building activity for the Indonesian participant[s]</p> <p>Project: Capacity building activity for the Indonesian participant[s]</p>	<ul style="list-style-type: none"> <li>➤ Information sharing among stakeholders, organizing workshops, and/or study tour to Japan</li> <li>➤ training on operation and maintenance of newly installed equipments, information sharing among stakeholders, organizing workshops, and/or study tour to Japan</li> </ul>

# Steps to Develop JCM Projects

Source : IGES

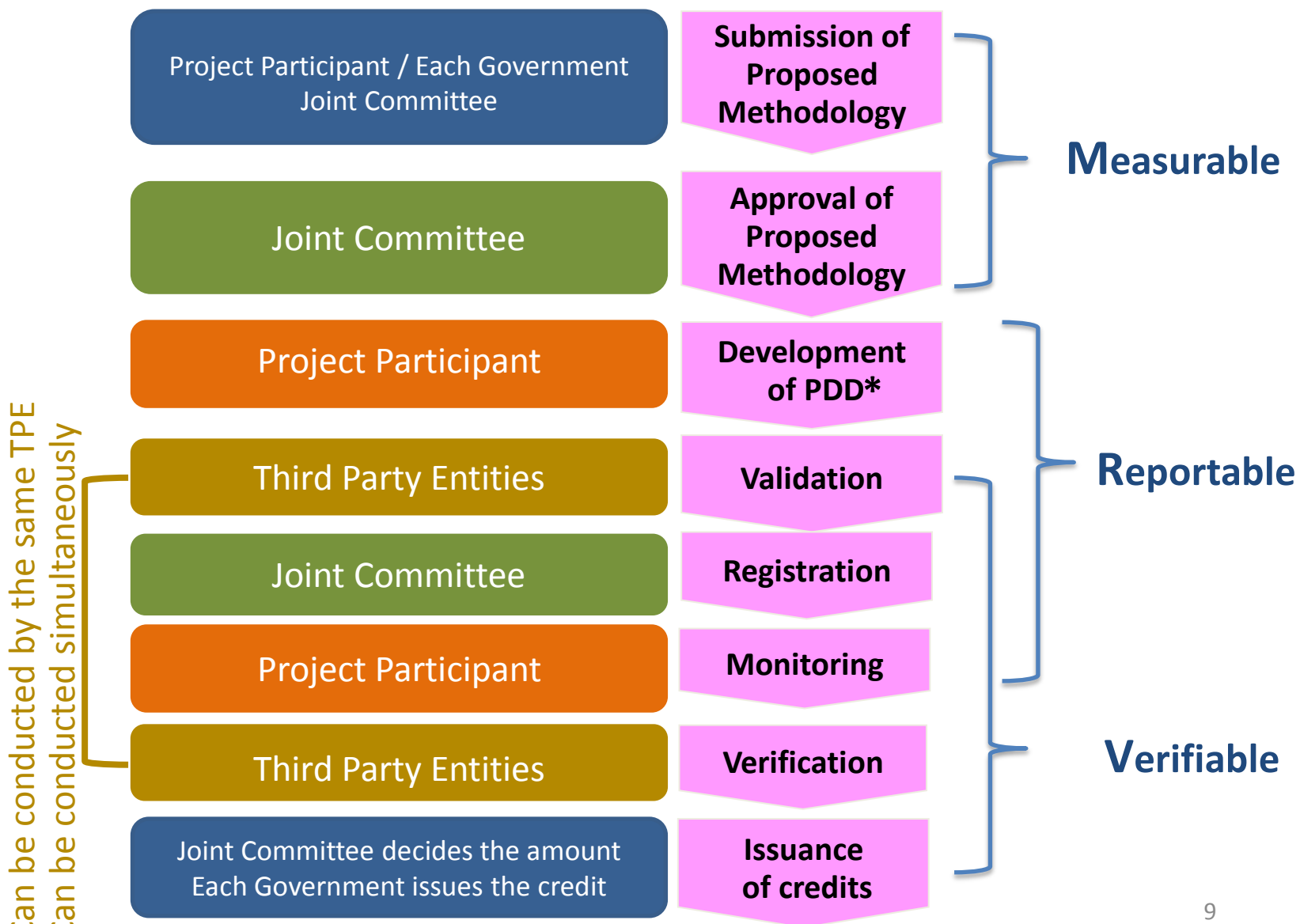


- Secure finance other than JCM, or
- Find another financial source for the rest of initial cost (JCM financing programs will not cover all cost, e.g. JCM Model Project covers less than half of the investment cost)





# The JCM Project Cycle



# JCM Project In Practice : Start of Project

Start of project (i.e  
design,  
procurement, etc)

Technology  
Implementation  
& Registration

Verification  
by TPE

Credit  
issuance

Submission & validation of PDD

Secretariat may: *"Monitor the development of JCM related programs and implementation of JCM projects, taking into account sustainable development criteria and environmental integrity."*

(JCM Rule of Implementation Para 14 point (a) article (iii))

## Through:

### • Meetings

- The Embassy of Japan and Indonesia JCM Secretariat will arrange individual meeting with project participants from both sides.
- The schedule will be arranged in accordance with Japanese participant's visiting schedule.

### • JCM Secretariat involvement (if needed)

- If requested, or when obstacles occur (such as location finding or related to government systems, the Secretariat should be informed).



# JCM Project in Practice: Submission of PDD

Start of project (i.e  
design,  
procurement, etc)

Technology  
Implementation  
& Registration

Verification  
by TPE

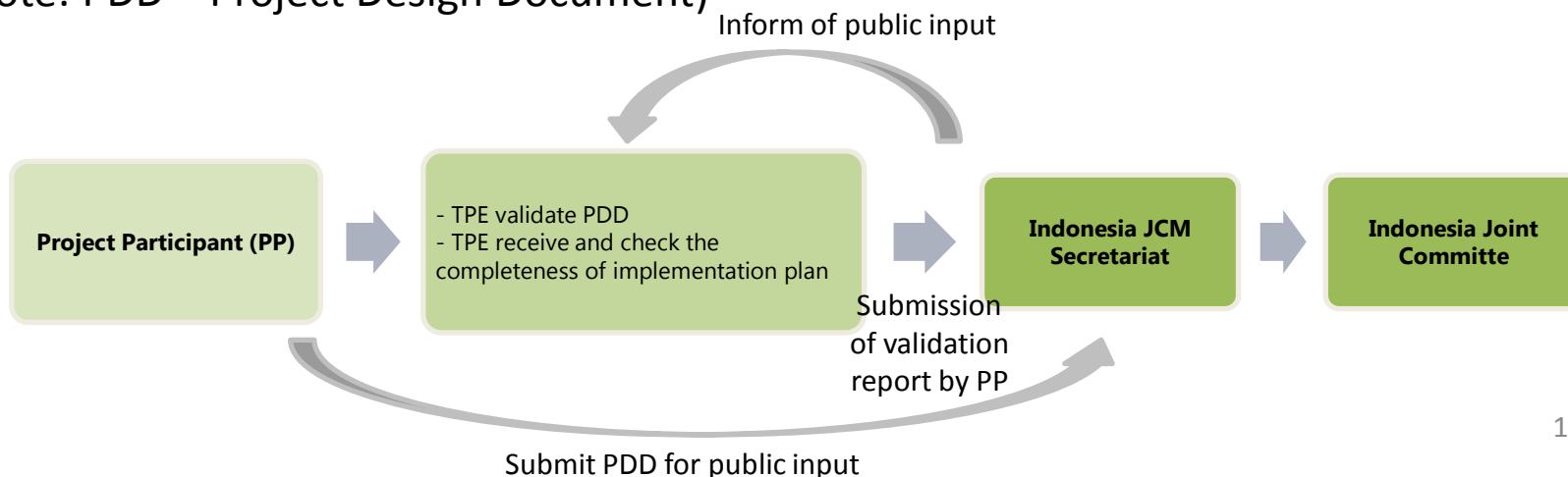
Credit  
issuance

Submission & Validation of PDD

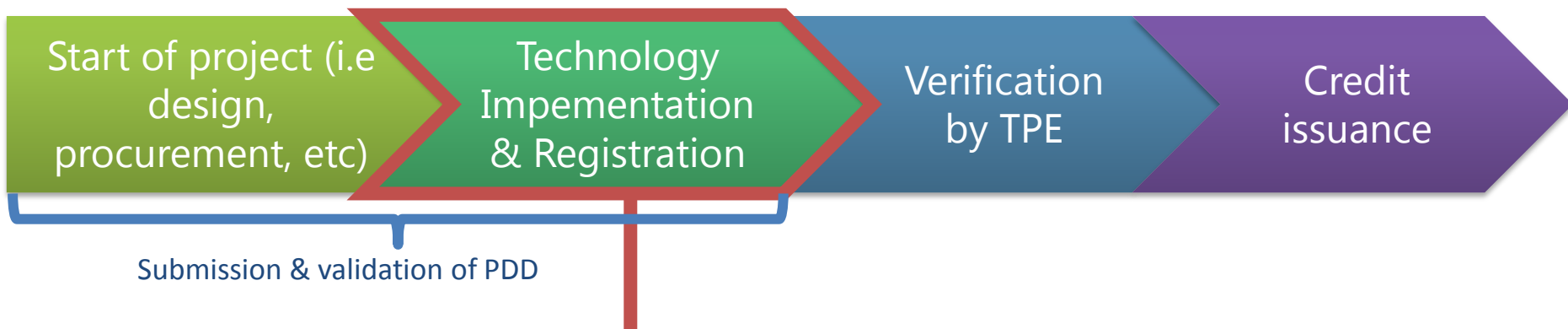
## • Project Validation

Project participants: *"Prepare a draft PDD and submit the draft to a third-party entity for validation and notify the Joint Committee through the JCM secretariat"*  
(JCM Rule of Implementation Para 19 Point (b))

(note: PDD = Project Design Document)



# JCM Project in Practice: Technology Implementation



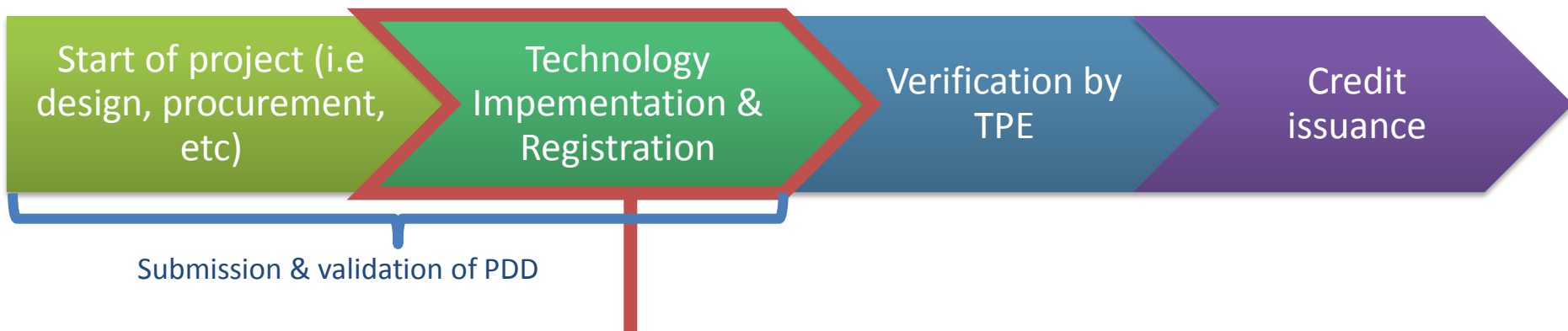
- **Site visit after project operation**

*"Monitor the development of JCM related programs and implementation of JCM projects, taking into account sustainable development criteria and environmental integrity." (JCM Rule of Implementation Para 14 point (a) article (iii))*

- At least one site visit by the Indonesia JCM Secretariat (if possible, also by the Japanese side).
- The purpose of site visit is to receive feedbacks from the Indonesian side and to witness and confirm the technology implementation.
- If needed, more site visit may be conducted (as agreed by project participant(s) and government side)

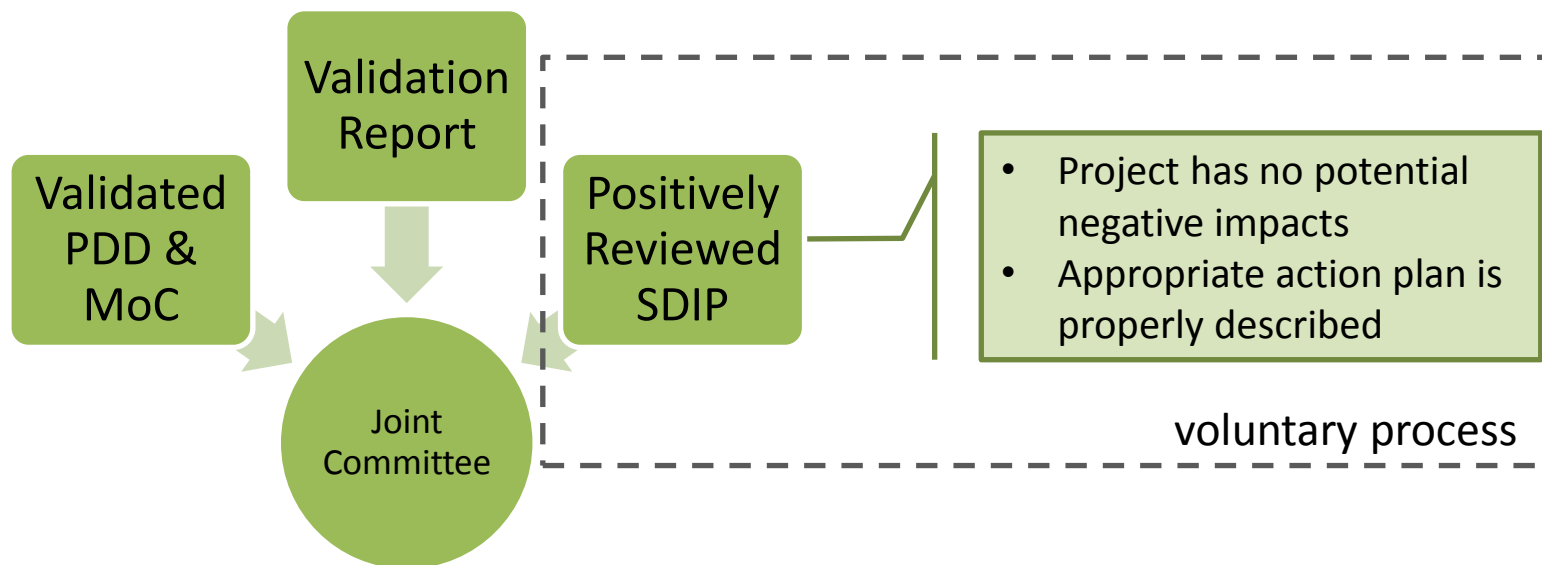


# JCM Project in Practice: Technology Implementation



## • **Registration**

a project is fully acknowledged as a JCM project once it is being registered



# JCM Project in Practice: Credit issuance

Start of project (i.e  
design,  
procurement, etc)

Technology  
Implementation  
& Registration

Verification  
by TPE

Credit  
issuance

Submission & validation of PDD

## • Sustainable Development Implementation Report (SDIR)

- Submission of SDIR is currently a voluntary process, but it will be part of JCM Rules of Implementation in the future
- Positive result of SDIR: No negative impacts or appropriate description on the corrective action

### Project Participants

- Ex-post evaluation of the contribution to SD using SDIR form
- Local and/or national regulations must be followed

submission

Re-submission (within 60 days)

Notify the receipt of  
the request

### Secretariat

- Completeness check [7 days]  
(secretariat)

### Joint Committee

- Evaluation of SDIR [20 days],  
including on-site visit where  
necessary
- Evaluation of revised SDIR: 10 days

Notify the result

Positive result: to  
next step

Negative result: revision of SDIR

# JCM Project in Practice: Verification by TPE

Start of project (i.e  
design,  
procurement, etc)

Technology  
Implementation  
& Registration

Verification  
by TPE

Credit  
issuance

Submission & validation of PDD

## JCM Rule of Implementation Para 31 to 33

### Project participants

- Conduct monitoring
- Prepare a monitoring report
- \*PDD Monitoring and Guidelines
- \*Monitoring Report Sheet

1. Submit  
to TPE

### TPE

- Verify emission reduction
- Prepare a verification report
- \* Validation and Verification guidelines
- \* Verification report form

2. Submit report to  
project participants

3. Next step: request for credit issuance to Secretariat

Secretariat

*“The TPE describes all documentation supporting verification and makes such documentation available to the Joint Committee upon request.” (JCM Guidelines for Verification and Validation Para 128)*

- All of data obtained by TPE which support verification process may be shared to Joint Committee

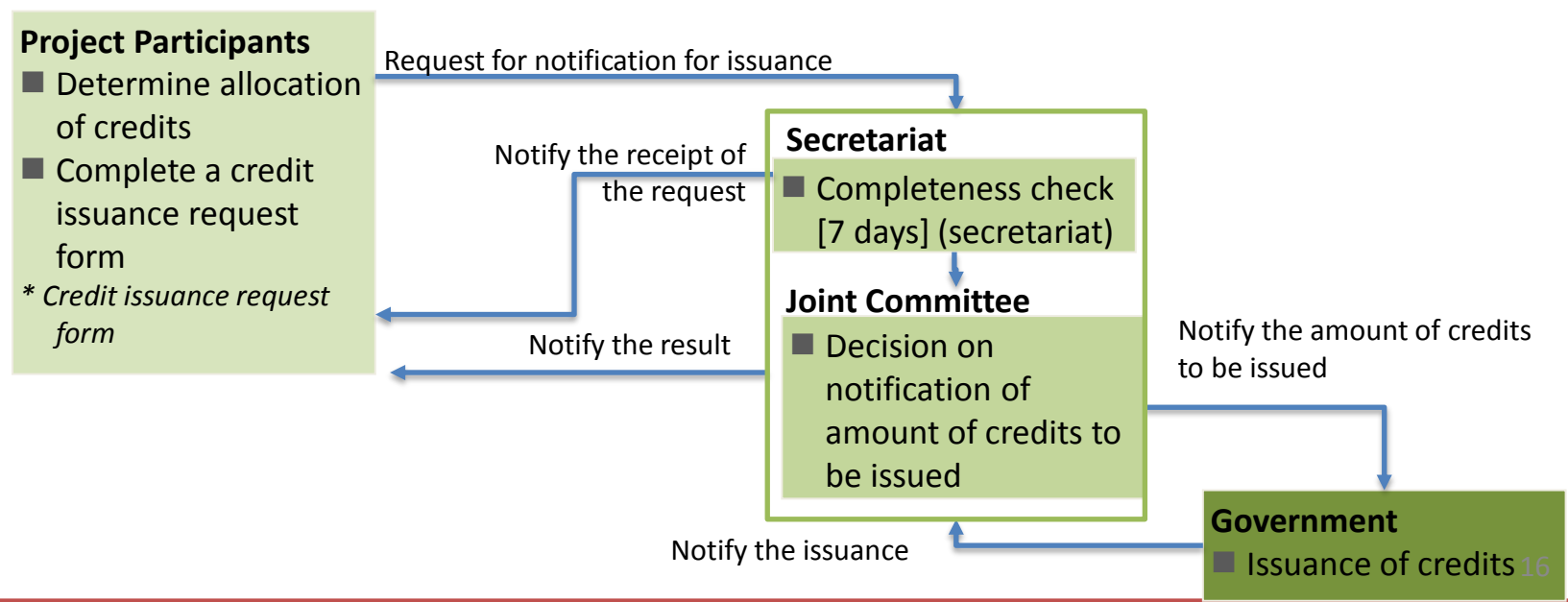


# JCM Project in Practice: Credit issuance



## • Request issuance of credits

*"On the basis of a request for notification to each side for issuance of credits submitted by project participants, the Joint Committee notifies both sides to issue the credits which were verified by the third-party entities." (JCM Rule of Implementation Para 10)*





# PIN proposed by Indonesian Entities

No	Project Name	Entities	Description
1	Corn Residue Power Plant Project	<ul style="list-style-type: none"><li>Koperasi Serba Usaha Bangkit Mandiri</li><li>Fitra Jaya Piliang Agriculture and Bioenergy Development Manager</li></ul>	Utilization of corn residue (200,000 ton/year) by biomass thermal-steam cycle mechanical driven-stoker fired boilers to generate electricity to replace diesel
2	Water hyacinth utilization for biogas and organic fertilizer production	Marlon Kamagi	<ul style="list-style-type: none"><li>Designing biomass supply chain and easy-to-operate technology utilization for processing water hyacinths</li><li>Reducing pollution on the Tondano Lake by transformed it into biogas and organic fertilizer</li></ul>

# PIN proposed by Indonesian Entities (2)

No	Project Name	Entities	Description
3	REDD+ through Integrated Water Management, Peatland Rehabilitation and Sustainable Livelihood for Peatland Conservation in Berbak Landscape, Jambi Province	<ul style="list-style-type: none"><li>• Zoological Society of London,</li><li>• Berbak Carbon Initiative Project Manager</li><li>• Erwin A Perbatakusuma (TBC)</li></ul>	<ul style="list-style-type: none"><li>• To prevent continue peat drainage in the Berbak peat land area by sustainable water management in degraded peat land</li><li>• The establishment of facilities, such as permanent canal blocking, ranger stations for commencing forestry conservation activities, capacity building related to technologies required in the MRV REDD+ project, such as LIDAR satellite image analysis and highly accurate biomass and peat land surveys, and providing sustainable agricultural and paliduculture (peatland freindly technology); as well as improving irrigation facilities.</li></ul>

# PIN proposed by Indonesian Entities (3)

No	Project Name	Entities	Description
4	Integrated Biodiesel & Biogas	<ul style="list-style-type: none"><li>PT Green Energy Nusantara</li></ul>	To produce diesel fuel totally green environment and renewable continuously for fisherman, homes , public transport & Industries.
5	200 KWP Grid Connection Solar Powe System for Office and PC Factory Production Hall Lighting	PT Unilever Indonesia Tbk	Electricity consumption reduction in Unilever with installation of solar power system



Coordinating Ministry  
for Economic Affairs  
Republic of Indonesia



# Thank you! Terima kasih!

Our website: <http://jcm.ekon.go.id>

Contact us at [secretariat@jcmindonesia.com](mailto:secretariat@jcmindonesia.com)

Sekretariat JCM Indonesia

Gedung Kementerian Koordinator Bidang Perekonomian Lt.2

Jl. Medan Merdeka Barat 7, Jakarta 10110