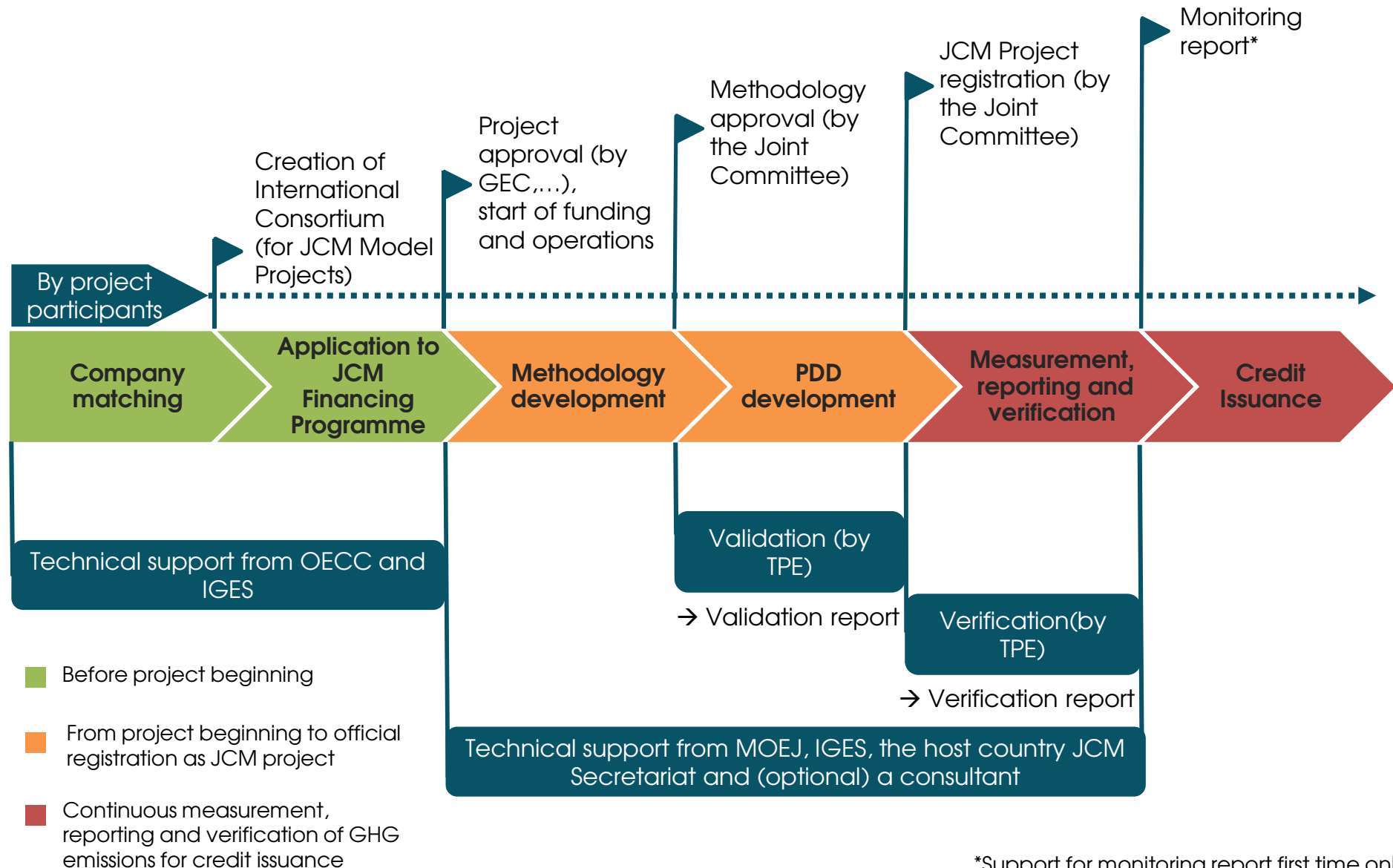


JCM Project Cycle Procedures

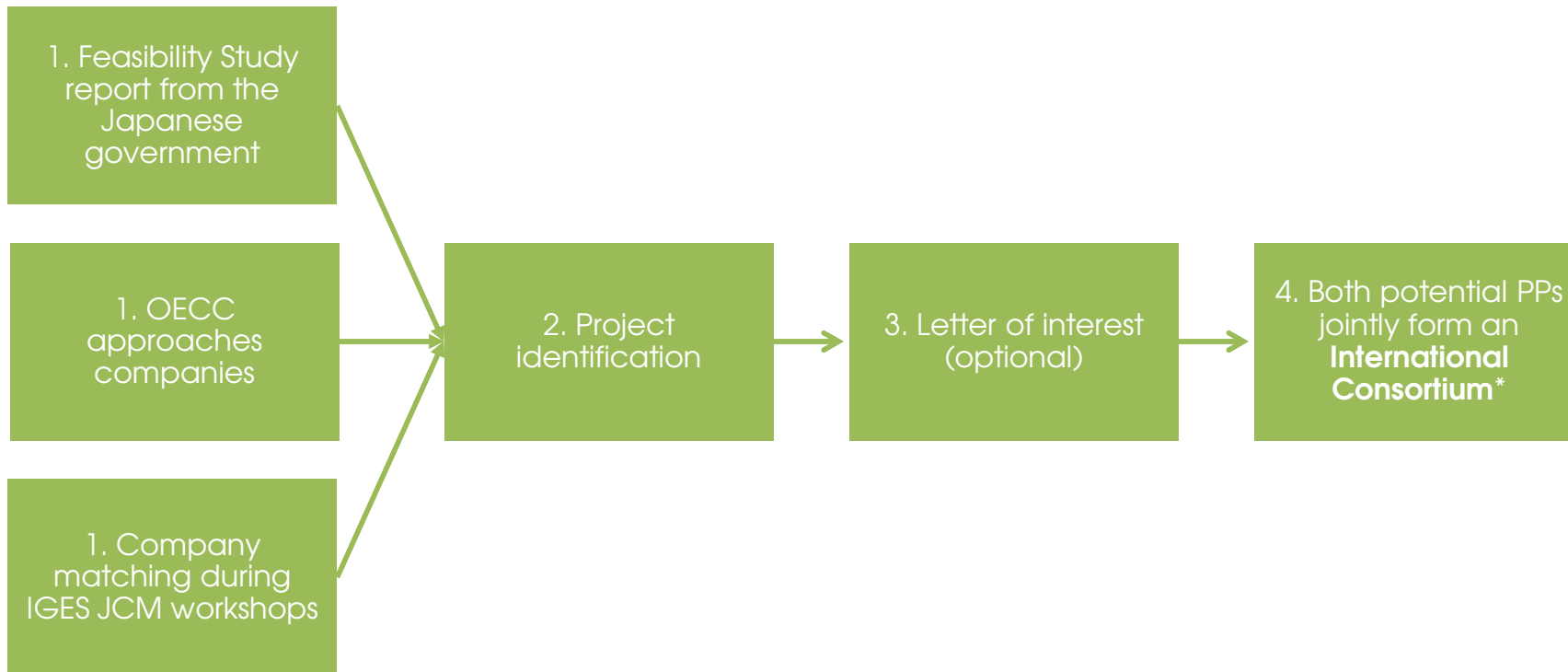
Kentaro Takahashi
Programme Manager
Climate and Energy Area
Institute for Global Environmental
Strategies (IGES)

Overview of JCM Project Development



*Support for monitoring report first time only

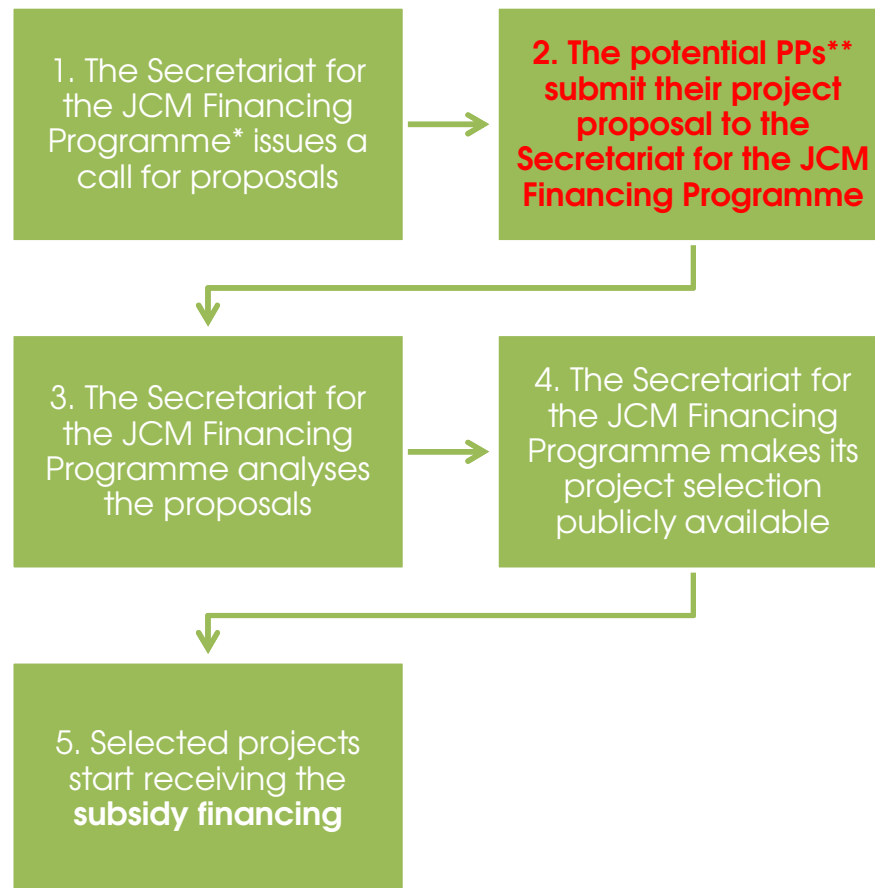
Step 1: Company matching



*In case of application to a JCM Model Project

Step 2: Application to a JCM Financing Programme

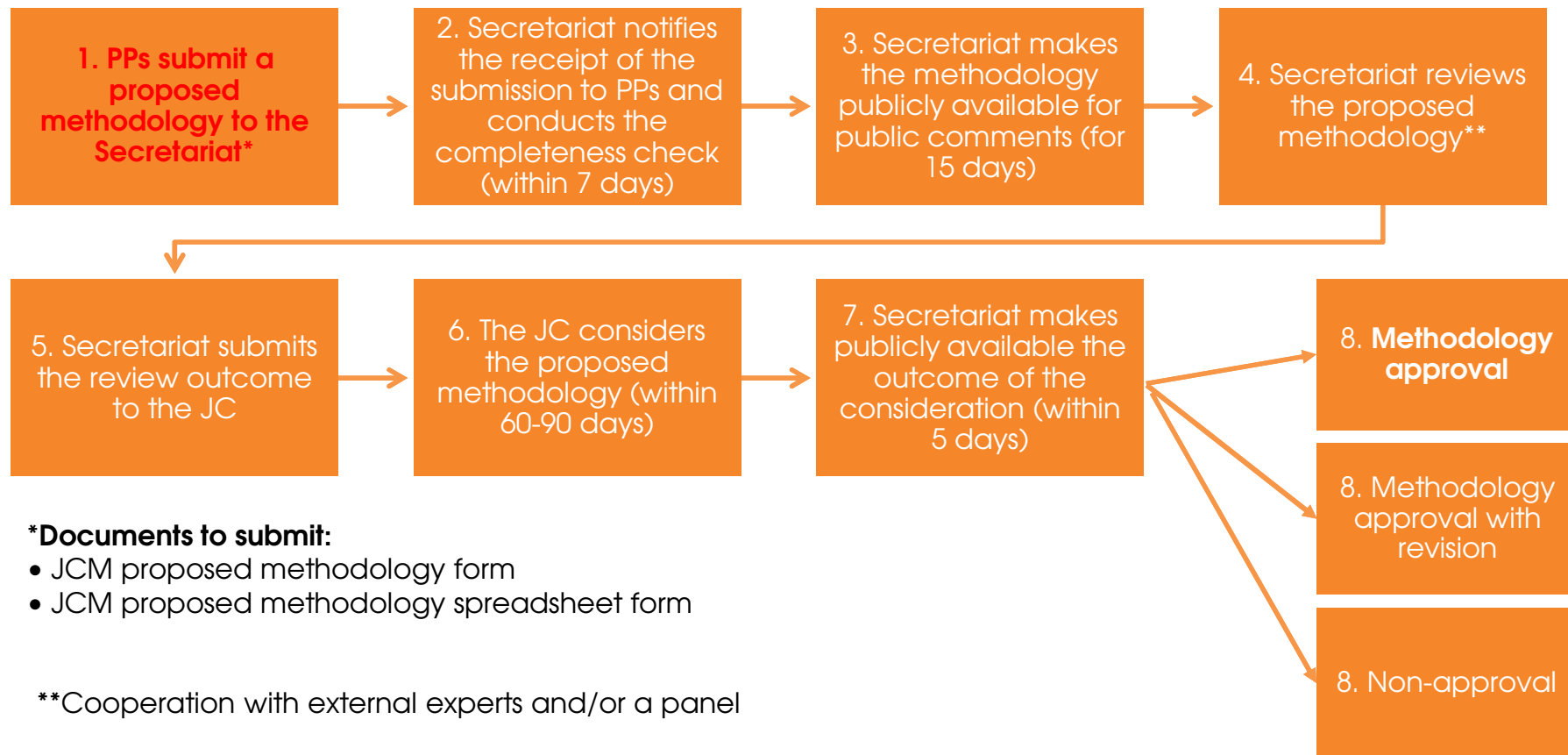
Example of the JCM Model Projects



*The GEC for JCM Model Projects, NEDO for JCM Demonstration Projects...

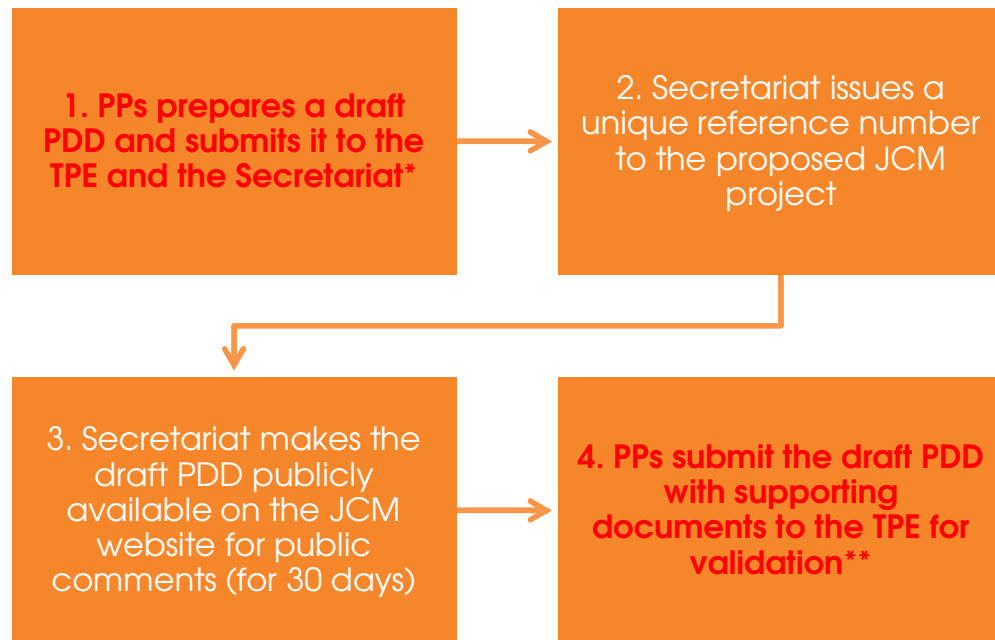
** In case of application to a JCM Model Project, application is submitted by the representative of the International Consortium, which is the Japanese entity.

Step 3: Methodology Development



Reference document: JCM Guidelines for Developing Proposed Methodology

Step 4: Project Design Document (PDD) Development



*A draft PDD consists of a completed "JCM PDD Form" and monitoring plan.

**Public input can be conducted in parallel with validation (step 5).

Documents to prepare

- JCM Project Design Document , Monitoring plan and Modalities of communication (MoC)

List of required information

- Name of the proposed JCM project
- Location of the proposed JCM project
- Name of all project participants
- Name of the TPE for validation
- Estimated annual emission reductions or removals
- Name of an approved methodology applied
- Proposed starting date and operation period

Good practices for developing the PDD (box 1.)

- Local stakeholders consultation: inviting company management, technology users, local experts, business associations and government entities.
- Good communication between project participants, JCM secretariat, and supporting entities.

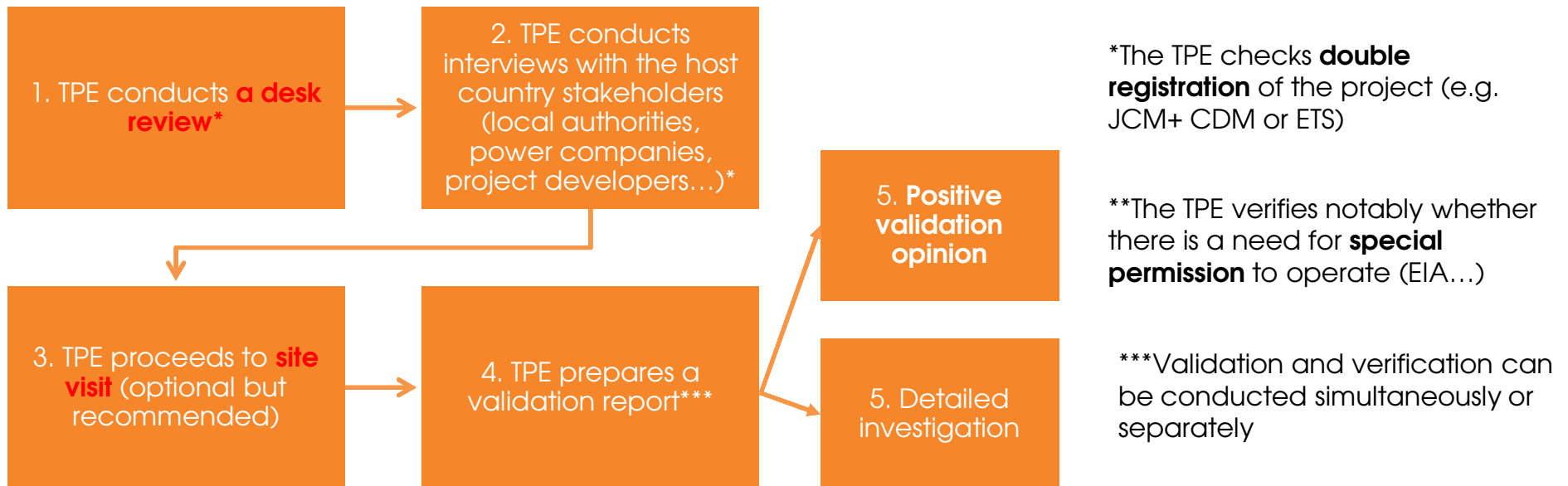
Reference document: JCM Guidelines for Developing PDD and Monitoring Report

Step 5: Validation



Validation is the process of independent evaluation of a proposed JCM project by a TPE against VV Guidelines.

- The TPE validates the Modalities of Communication and the proposed JCM project (PDD and monitoring plan sheet)
- TPEs designated by JC in each country are either **accredited under ISO 14065**, based on ISO 14064-2; or **Designated Operational Entities (DOEs)** under the Clean Development Mechanism (CDM).
- The **TPE's validation team** is designated by the JC. They must be independent and have no conflict and interest (prohibition of auditing and consulting for the same client)



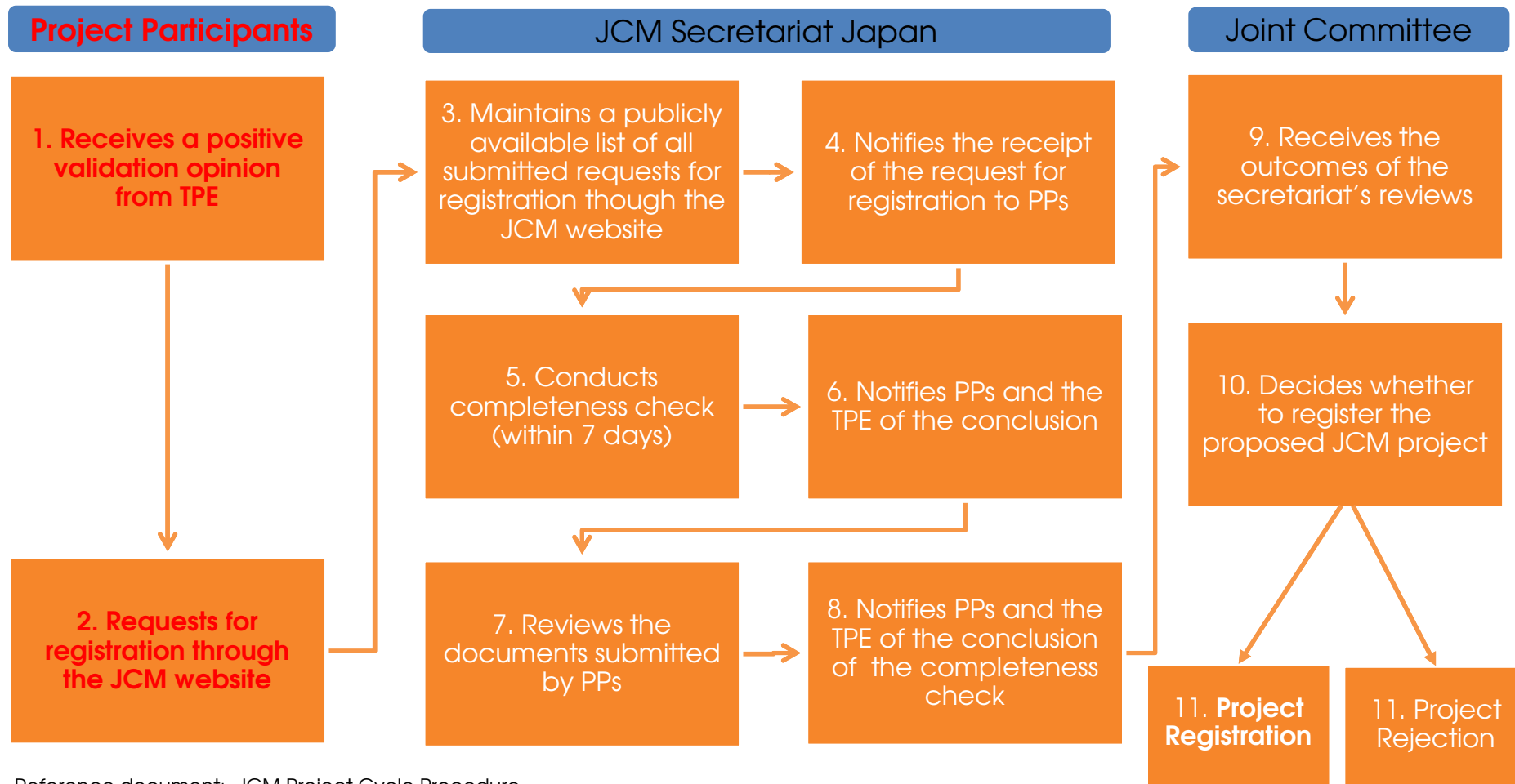
Reference document: JCM Guidelines for Validation and Verification

List of TPEs: <https://www.jcm.go.jp/kh-jp/tpes>

Step 6: Registration

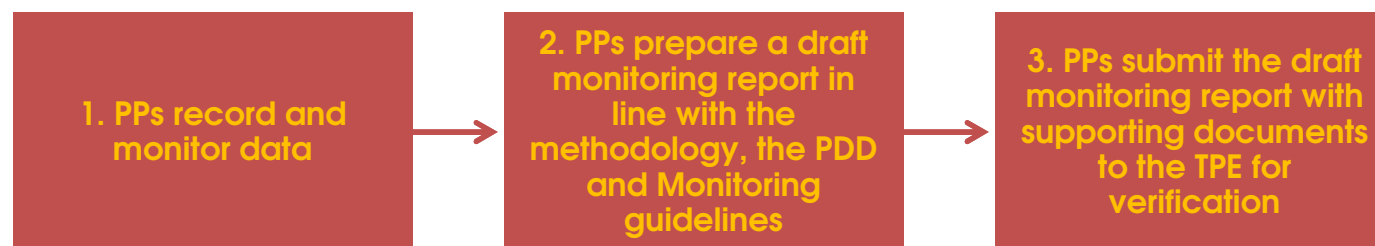


Registration is the formal acceptance by the Joint Committee of a validated project as a JCM project.



Reference document: JCM Project Cycle Procedure

Step 7: Monitoring



The Monitoring Spreadsheet includes

- **Monitoring Plan Sheet:** used before validation for developing a monitoring plan and calculating emission reductions *ex ante*.
- **Monitoring Structure Sheet:** used before validation for developing an operational and management structure to be implemented in order to conduct monitoring.
- **Monitoring Report Sheet:** used before verification for developing a monitoring report and calculating emission reductions *ex post*.

Good practices for Monitoring

- Diagram of emission sources and monitoring points to clarify project system.
- Setting up a monitoring team responsible for monitoring points (collect data, maintain and control measuring instruments, calibration of regular inspection), composed of people understanding the JCM project cycle, procedure, and set up data backup system.
- Recheck data, provide evidence, supporting documents, and equipment specification.

Reference document: JCM Guidelines for Developing PDD and Monitoring Report

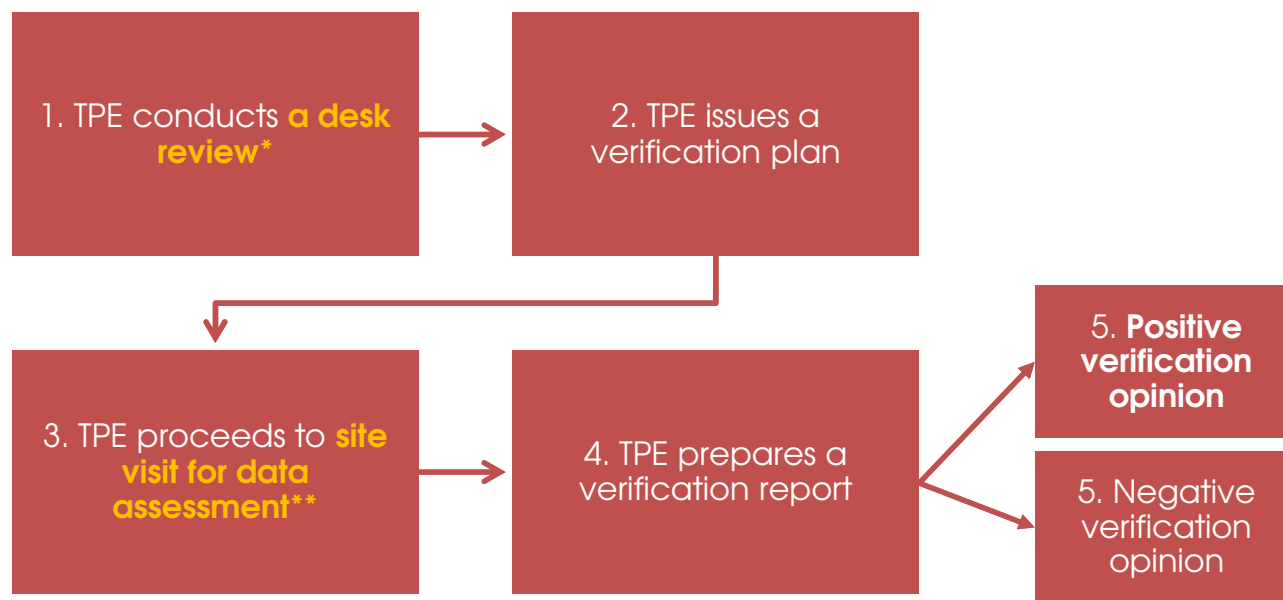
Step 8: Verification



Verification is the periodic independent review and ex post determination by a TPE of the monitored GHG emissions reductions, as a result of a registered JCM project during the verification period.

A TPE determines whether the project complies with the requirements of the applied methodology(ies), these Guidelines, and decisions by the JC. Main focus:

- Eligibility criteria are satisfied
- Monitoring report data credibility and reliability
- Double registration is avoided
- There are no post registration changes which prevent the use of the applied methodology.



*A **desk review** allows to check the compliance with the program, PDD and monitoring plan. The verifier can issue a clarification request if he needs more information.

** The verifier checks errors, omissions and misrepresentation. 3 kinds of risks: inherent risk (material discrepancy), detection risk (monitoring defect) and control risk (problem in the data management system).

Reference document: JCM Guidelines for Validation and Verification

List of TPEs: <https://www.jcm.go.jp/kh-jp/tpes>

Documents and Forms

Documents can be obtained at https://www.jcm.go.jp/th-jp/rules_and_guidelines

ACTIVITY		REFERENCE DOCUMENTS	FORMS
General		<ul style="list-style-type: none"> • Low Carbon Growth Partnership between the Japanese side and the Thailand side • Rules of Implementation for the Joint Crediting Mechanism (JCM) • JCM Glossary of Terms 	
Joint Committee		JCM Rules of Procedures for the Joint Committee	
Project Procedures	Overall	JCM Project Cycle Procedure	
	Methodology development	JCM Guidelines for Developing Proposed Methodology	<ul style="list-style-type: none"> • JCM Proposed Methodology Form • JCM Proposed Methodology Spreadsheet Form • JCM Approved Methodology Revision Request Form
	PDD development	JCM Guidelines for Developing Project Design Document and Monitoring Report	<ul style="list-style-type: none"> • JCM Project Design Document Form • JCM Modalities of Communication Statement Form
	Monitoring	JCM Project Cycle Procedure	<ul style="list-style-type: none"> • Monitoring Plan Sheet • Monitoring Structure Sheet • Monitoring Report Sheet
	TPE, Validation and Verification	<ul style="list-style-type: none"> • JCM Guidelines for Designation as a Third-Party Entity • JCM Guidelines for Validation and Verification 	<ul style="list-style-type: none"> • JCM Application Form for Designation as a Third-Party Entity • JCM Validation Report Form • JCM Verification Report Form
	Registration	JCM Project Cycle Procedure	<ul style="list-style-type: none"> • JCM Project Registration Request Form • JCM Post-Registration Changes Request Form • JCM Registration Request Withdrawal Form • JCM Project Withdrawal Request Form
	Credit Issuance	JCM Project Cycle Procedure	<ul style="list-style-type: none"> • JCM Credits Issuance Request Form • JCM Issuance Request Withdrawal Form

For further information

Official JCM Webpage

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

Content: rules and guidelines, JCM methodology, projects



GEC website

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

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



New Mechanisms Information Platform

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

Content: recent development of the JCM



IGES JCM Database

<http://bit.ly/igesjcmdatabase>

Content: details of methodologies, projects, feasibility studies

Project number	Status	Project title	Region	Host Country	Project Partner (Host Country)	Project Partner (Lead)	Type of Project	Supplement Information
EC01	RD	Energy Saving for Air-Conditioning and Process Cooling by Improving High-efficiency Centrifugal Chiller	Asia	Indonesia	PT. PIRANEO Indonesia	Japan Steel Co., Ltd. (PFC Plant, Energy Saving Equipment & Systems Co., Ltd.)	Energy efficiency	Factory
EC02	RD	Project of introducing High Efficiency Refrigerator to a Food Industry Cold Storage in Indonesia	Asia	Indonesia	PT. ARI-GLOBAL FOOD SUPPLY PT. MAYORANA Indonesia	SAITOHKAWA MFG. CO., LTD.	Energy efficiency	Factory
EC03	RD	Project of introducing High Efficiency Refrigerator to a Food Industry Cold Storage in Indonesia	Asia	Indonesia	PT. ARI-GLOBAL FOOD SUPPLY PT. MAYORANA Indonesia	SAITOHKAWA MFG. CO., LTD.	Energy efficiency	Factory
IM001	RD	Initiative of high efficiency Heat Exchangers in 18th School of Submarine Oil Project	Asia	Malaysia	AMU SERVICE CO. LTD.	SUMI KAWASUMI CO. LTD.	Energy efficiency	Commercial & Residential
IM002	RD	Contribution of heat exchangers to the Initiative of high efficiency Heat Exchangers in 18th School of Submarine Oil Project	Asia	Malaysia	AMU SERVICE CO. LTD.	SUMI KAWASUMI CO. LTD.	Energy efficiency	Commercial & Residential

Thank you for your attention



Towards a Sustainable Asia-Pacific