
FY2023

**Human Resource Development Program towards Zero Emission
in Asian Countries/Regions**

**Human Resource Development Program
in the field of Green Growth Strategy**

**Guide to Industry-Academia
Collaborative Programs**







May, 2023

The Association for Overseas Technical Corporation and Sustainable partnerships

The **A**ssociation for **O**verseas **T**echnical Cooperation and **S**ustainable Partnerships(AOTS)

Overview of the Organization

Established	August 10, 1959 (establishment date of the surviving merging corporation (former AOTS))
Aims	To promote mutual economic development of Japan and other countries and friendly relationships between them by conducting activities to facilitate industrial globalization, trade, investment, and international economic cooperation.
Endowment of the organization	JPY 700,000,000
Main activities	Training, experts dispatch, internship, business promotion, etc.
Scale of operations	Approximately JPY 9,400,000,000 (FY2021 budget)
Offices	Domestic bases: Kitasenju Office, Tokyo Training Center, Kansai Training Center Overseas bases: Bangkok, Jakarta, New Delhi
Number of staff	Approx. 150 (as of Feb 2023) *Includes fixed-term contract staff
Results	Training of overseas industrial human resources: 400,000 persons; Dispatch of Japanese experts: 10,000 persons Japanese internship in overseas countries: 1,000 persons

Brief history	 <p>From the establishment in 1959, implementing training in Japan and overseas countries. (170 countries and regions, total 360,000 persons)</p>
	 <p>From the establishment in 1970, dispatching Japanese experts to the industry of overseas countries (60 countries and regions, total 7,100 persons)</p>
	 <p>AOTS and JODC merged on March 30, 2012, and the Overseas Human Resources and Industry Development Association (HIDA) was established.</p>
	 <p>Its English name has been changed to AOTS, effective July 1, 2017.</p>



Human Resource Development Program in the field of Green Growth Strategy (Zero Emission Program)



Target Countries	<ul style="list-style-type: none"> Countries/regions in Asia/Middle East * 	
Aims	<p>The aims of this program are to deepen the understanding on initiatives of Japanese companies and other entities to have R&D on leading and advanced carbon neutral technologies in industrial fields designated by <u>the Green Growth Strategy</u> and the Asia Energy Transition Initiative (AETI), as well as <u>to disseminate and promote such technologies and nurture international awareness on carbon neutrality.</u></p>	
Types of the Programs	(1) Invitation of industrial human resources	Japan
	(2) Overseas seminars	Overseas
	(3) Industry-Academia collaborative programs	



* Countries and regions defined as “Asia” and “Middle East” in the Ministry of Foreign Affairs of Japan website (<https://www.mofa.go.jp/mofaj/area/index.html>)

Project Overview(1)

Objectives

Held an industry-academia collaborative programs for students at local universities and other institutions in Asian countries and regions (including the Middle East) on carbon neutral technologies being studied and verified by Japanese companies, universities, and other institutions by utilizing the advanced technologies of Japanese companies and other entities in order to contribute to the promotion and dissemination of the technologies locally.

Through participation of students in the course, the programs will contribute to promote and disseminate carbon neutral technologies, facilitate business activities, and strengthen collaborative relationships with the respective countries.

Overview

Courses: Lecture, exercises, practical training, experiments, research, workshops, site visit, etc.

*Internships programs are not applicable.

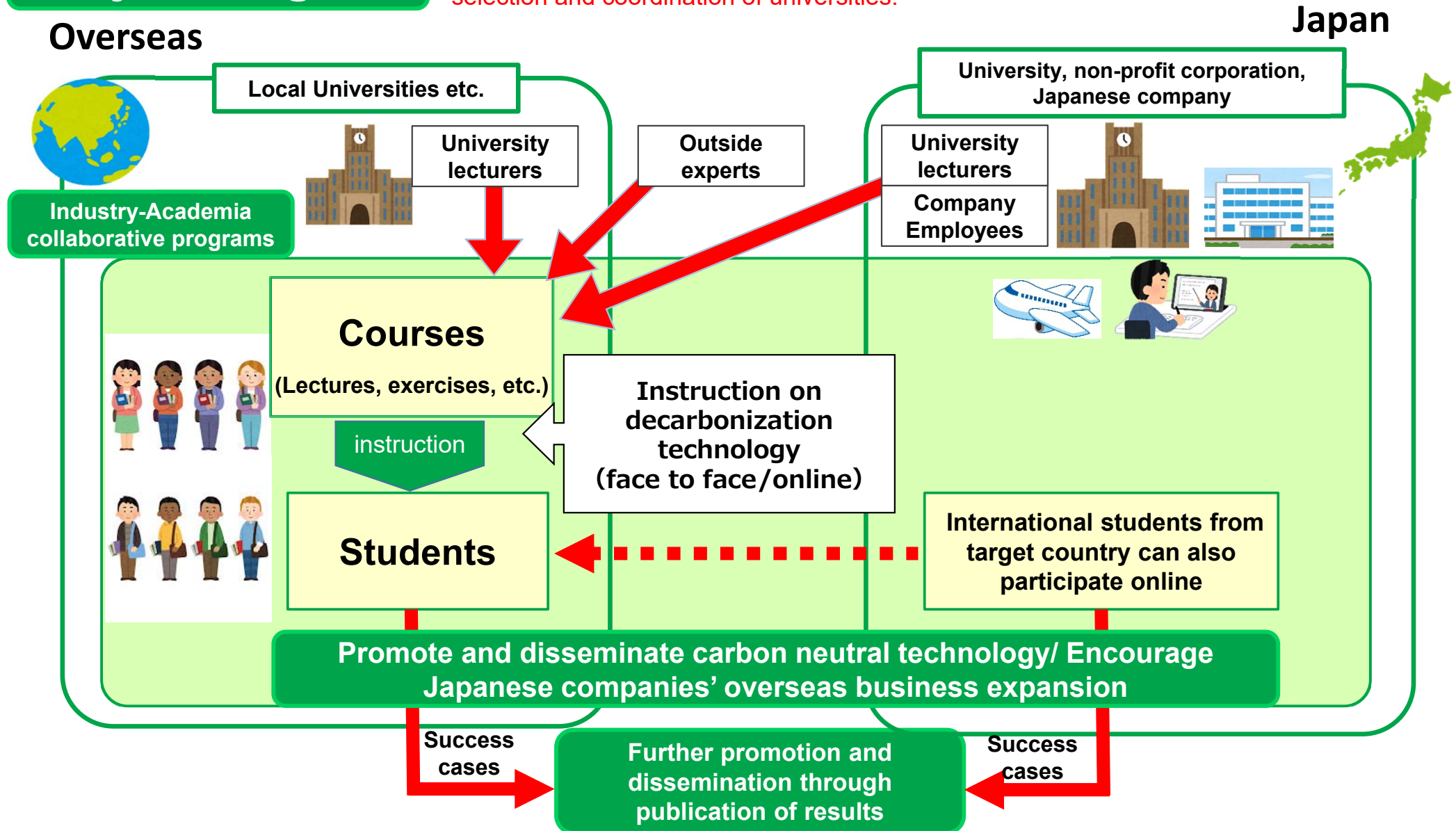
Subsidy Rate

- ① Large Enterprise **1/3**
- ② Medium-sized/Small and medium-sized **1/2**
- ③ University, Non-profit corporation etc. **3/4**

Project Overview(2)

Project diagram

* The applicant corporation is responsible for the selection and coordination of universities.



Reports, presentations, press releases, etc.

Benefits from Implementing Industry-Academia Collaborative Programs



- * Lead to the promotion and dissemination of Japan's carbon neutral technologies.
- * Lessens the burden of program implementation
(Travel expenses for lecturers and administrative staff, honorarium for lecturers, and expense for creating teaching materials, translation fees, interpretation fees, equipment rental fees, etc.)
- * Can build and strengthen networks with local universities through implementing courses.
- * Improving the abilities of university researchers and company employees by engaging in teaching students.
- * Contributes to training local industrial human resources, which leads to fulfillment of corporate social responsibility (CSR).

Basic Requirements for Application (1)



<Applicant companies (company, organization, university, etc.) >

- Companies and organizations with corporate status in Japan or higher education institutions in Japan, such as universities, graduate schools, and technical colleges that are studying and verifying carbon neutral technologies.
 - * More than two corporations form a consortium, and one of them can apply this programs as a representative.
- Those with the abilities to implement and manage courses and to pay associated costs
- Those able to arrange companies and organizations to assist with preparation and implementation of Industry-Academia collaborative programs in the countries and regions where they are conducted, as necessary

< Courses >

- Lectures, seminars, exercises, practical training and experiments, research, etc. at eligible universities etc.
- Total course hours: 450 minutes or longer (ex.: 90 minutes x 5 sessions)
- Number of students: 5 or more
- Number of days: 1 or more

Note: Online remote courses also are eligible

Basic Requirements for Application (3)



<Course Content>

In topics about advanced and leading technologies in the following industrial fields related to carbon neutrality, content should deepen understanding of the use of technologies, products, and services of Japanese companies, universities, and organizations or promote and disseminate their use.

■ Content concerning industrial fields designated in Japan's Green Growth Strategy

(Examples of major fields)

○Offshore wind, solar, geothermal industries ○Hydrogen and fuel ammonia industries
○Next-generation energy industry ○Nuclear industry ○Car and storage cell industries
○Semiconductor and IT industries ○Airplane industry ○Carbon recycling and material industries
○Next-generation power management industry ○Greenhouse gas emission level visualization technology

■ Industrial fields designated in an energy transition roadmap formulated within the framework of the Asia Energy Transition Initiative (AETI)

*** Please contact for details on which specific industries are applicable.**

Basic Requirements for Application (4)



<Schools and institutions where courses are held>

- **Schools and other educational institutions in Asian countries and regions (including the Middle East) that have faculty members who are involved in education related to industrial fields specified in the Green Growth Strategy or in research activities to help promote their adoption and use**

(Examples of major fields)

○Offshore wind, solar, geothermal industries ○Hydrogen and fuel ammonia industries
○Next-generation energy industry ○Nuclear industry ○Car and storage cell industries
○Semiconductor and IT industries ○Airplane industry ○Carbon recycling and material industries
○Next-generation power management industry ○Greenhouse gas emission level visualization technology

- **Schools and other educational institutions that have established and operate programs awarding degrees of the level of Associate Degree or Foundation Degree, or higher**

* Multiple specific local universities and other institutions may be identified as eligible for setting up courses.

Structure of industry-Academia Collaborative Programs and its Costs

Point 1: Lectures are instructed by local lecturers, foreign lecturers, or a combination of both. Instruction also may be provided through online learning that does not require attendance at universities etc.

Point 2: Materials and equipment necessary for course instruction that are lacking at the university etc. may be procured (maximum limits apply in some cases).

Total Expenses for Industry-Academia Collaborative Programs

Course implementation costs

Remuneration for Program Advisor, Technical Guidance Fee for Lecturer, Travel Expenses for Lecturers, Interpretation Fee, Expenses for Creating Teaching Materials **(Including expenses of creating digitalized materials for online)** , Rental Expenses of Educational Facilities and Equipment, **Expenses of Devices and Equipment necessary for On-line Guidance including their Environmental Setting**, Other Expenses for Educational Activities Conducted by Lecturers, Travel Expenses for International Students in Japan

Expense for Devices and Equipment

Expenses for Support on Introduction and Implementation of On-line Guidance

Administrative Travel Expenses

Honorarium for Cooperation to the school establishing the course

Outsourcing Expenses

Base Amounts of Main Costs Eligible for Subsidies for Industry-Academia Collaborative Programs



Instructor category	Position with affiliated institution or position authorized by the university where the program is conducted (if affiliated with a company etc. with no particular position authorized by the university where the program is conducted: Instructor)	Professor	Associate professor	Instructor, Assistant
Technical Guidance Fee for lecturers	Per day of course instruction	30,000 yen/ person /day		
Expenses for Creating Teaching Materials※1	Writing the text ※2	4,000 yen/Sheet	3,500 yen/sheet	3,000 yen/sheet
	Writing narration for recordings for teaching materials for learning outside of class hours	2,000 yen/Sheet	1,800 yen/sheet	1,500 yen/sheet
Travel Expenses for Lecturers	Japan	Daily allowance ※3	2,724 yen/day	2,514 yen/day
		Accommodation expenses(Region B) ※3	12,362 yen/night	11,314 yen/night
	Overseas: Region B ASEAN countries other than Singapore, etc.	Daily allowance ※3	5,000 yen/day	
		Accommodation expenses ※3	15,100 yen/night	
	Overseas: Region C Mongolia, South Asia, Central, etc.	Daily allowance ※3	4,500 yen/day	
		Accommodation expenses ※3	13,500 yen/night	
	Airfare		Actual cost (discounted business class)	Actual cost (discounted economy class)
	Remuneration for Program Advisor※4	Maximum total amount per Industry-Academia collaborative program	Actual cost up to: 200,000 yen/program	

※1 Japanese, Chinese and Korean: 400 words/piece; Other than those: 200 words/piece

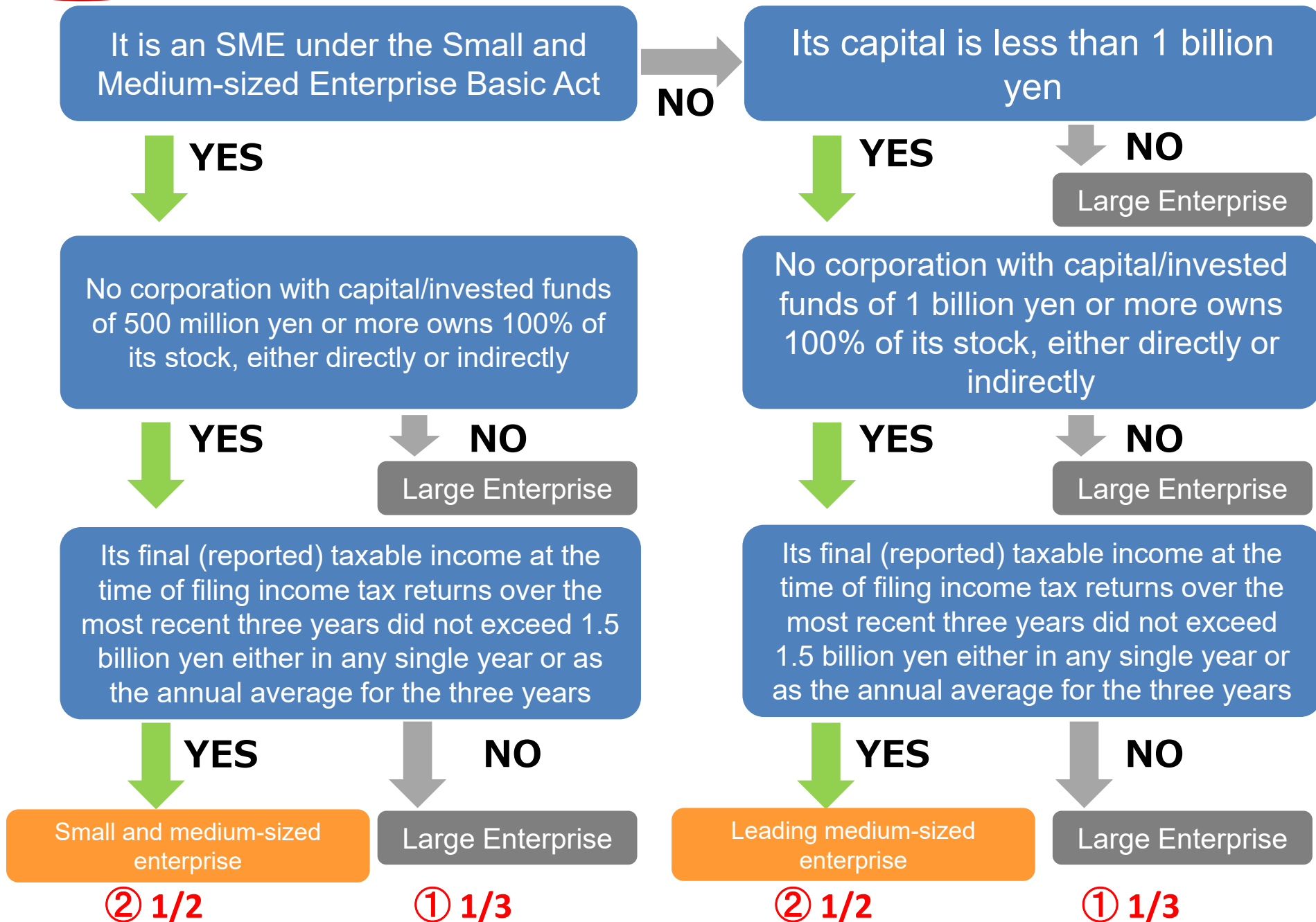
※2 PPT: 3 slides/piece

※3 The base amount will decrease gradually with the continuous period of stay (31-60 days: 90%; 61 days or longer: 80%)

※4 Available only for payment to an instructor other than an employee of the applying corporation

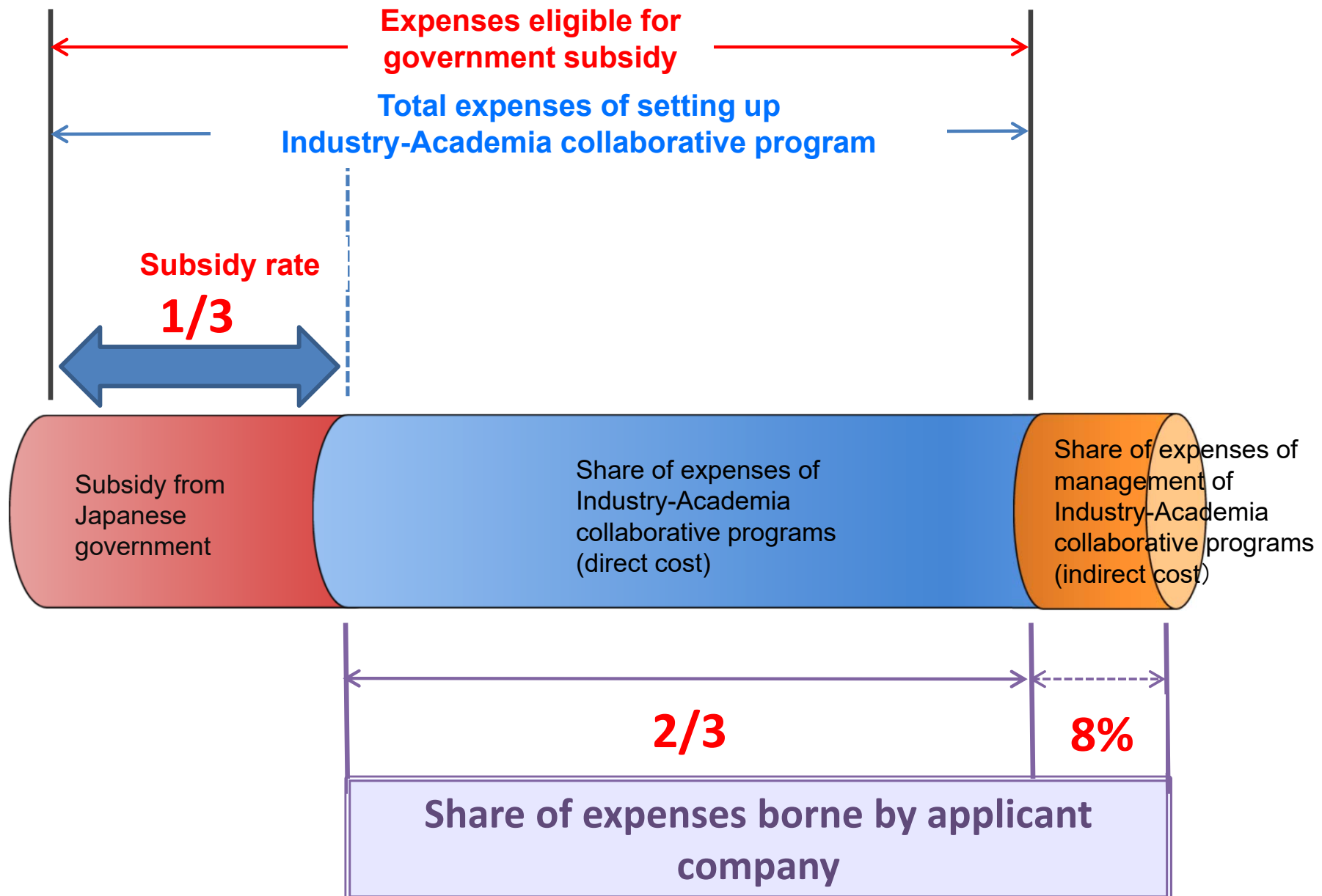
Differences in Subsidy Rates based on Company Size

Start



Expenses

① Large Enterprise (Subsidy rate: 1/3)



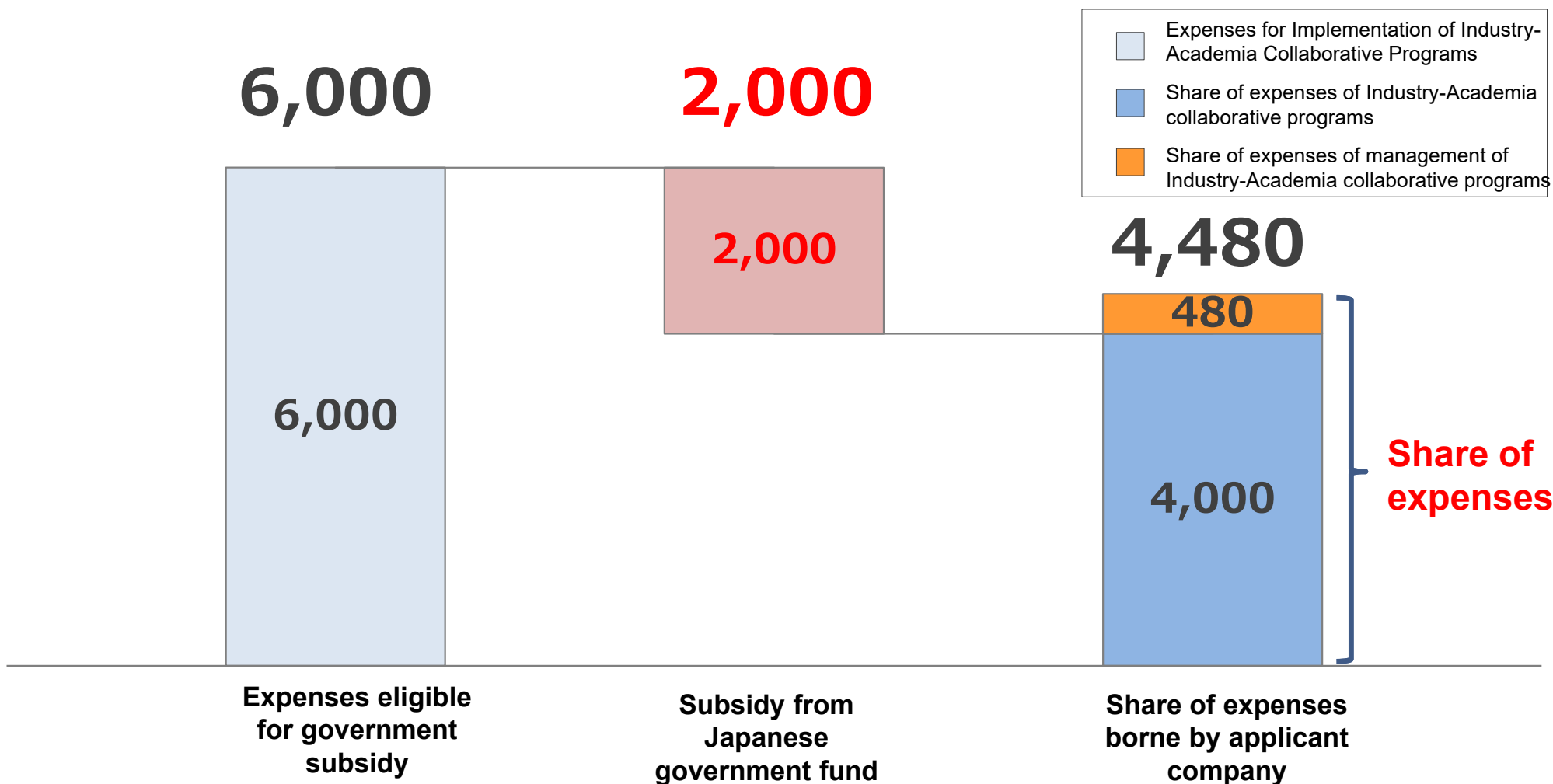
◆ In addition to above cost, we ask for your cooperation in covering the costs of running the organization (operating contribution).

Expenses (Example)

① Large Enterprise (Subsidy rate: 1/3)

[Assumption]
• Total expenses of setting up Industry-Academia collaborative program: JPY6,000,000

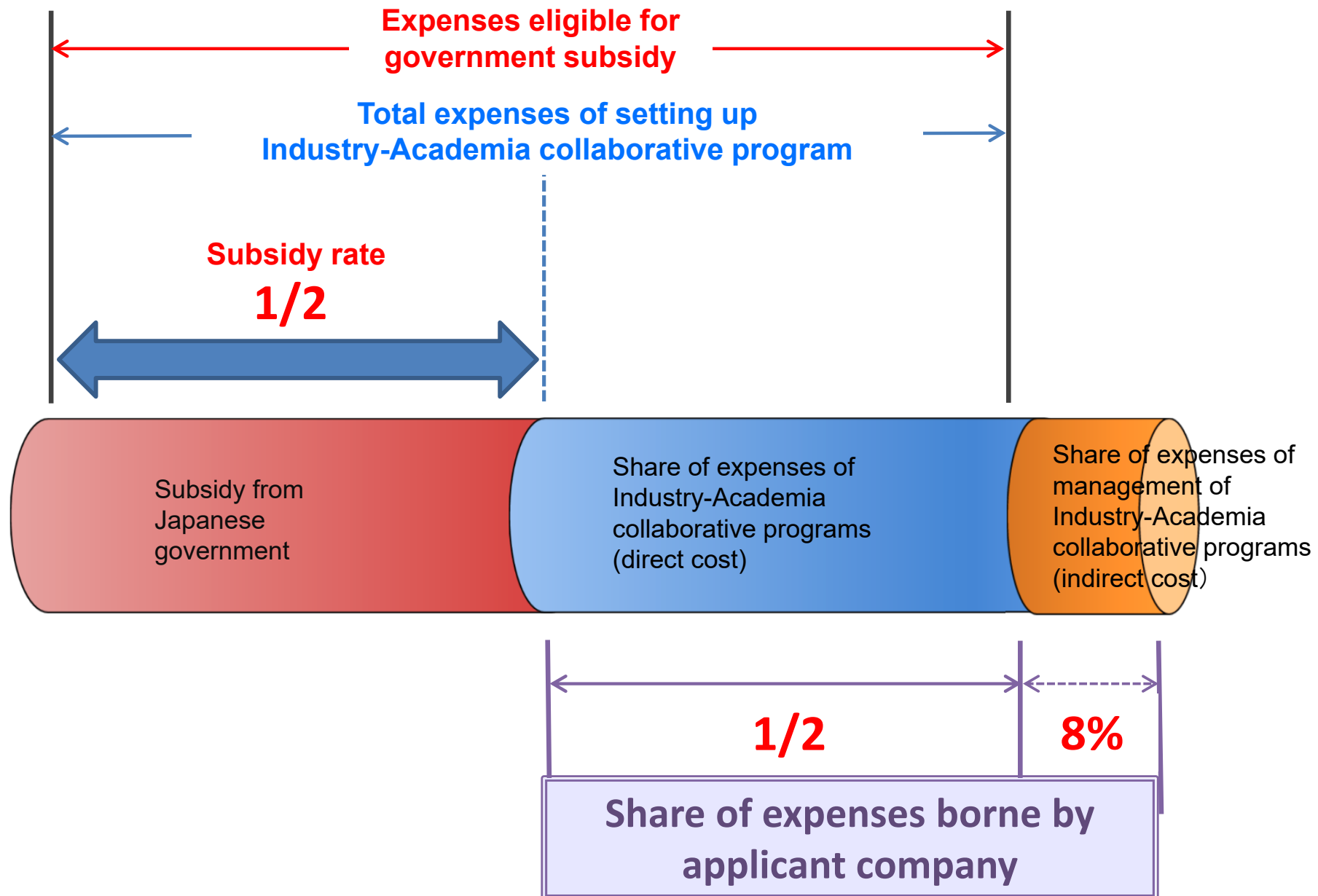
(Unit: JPY thousand)



◆ In addition to above cost, we ask for your cooperation in covering the costs of running the organization (operating contribution).

Expenses

② Leading medium-sized/Small and medium-sized enterprise (Subsidy rate:1/2)



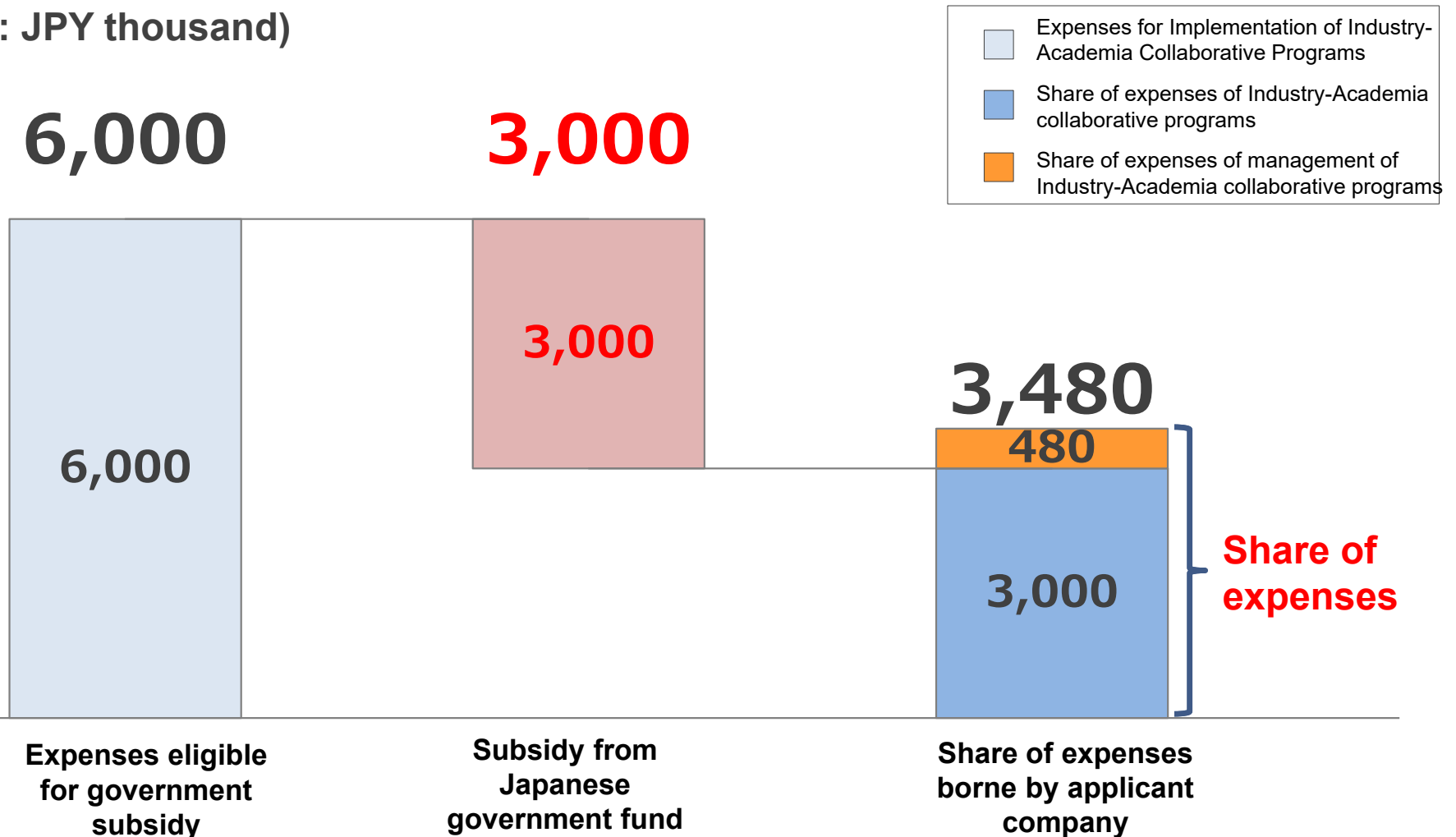
◆ In addition to above cost, we ask for your cooperation in covering the costs of running the organization (operating contribution).

Expenses (Example)

② Leading medium-sized/Small and medium-sized enterprise (Subsidy rate:1/2)

[Assumption]
• Total expenses of setting up Industry-Academia collaborative program: JPY6,000,000

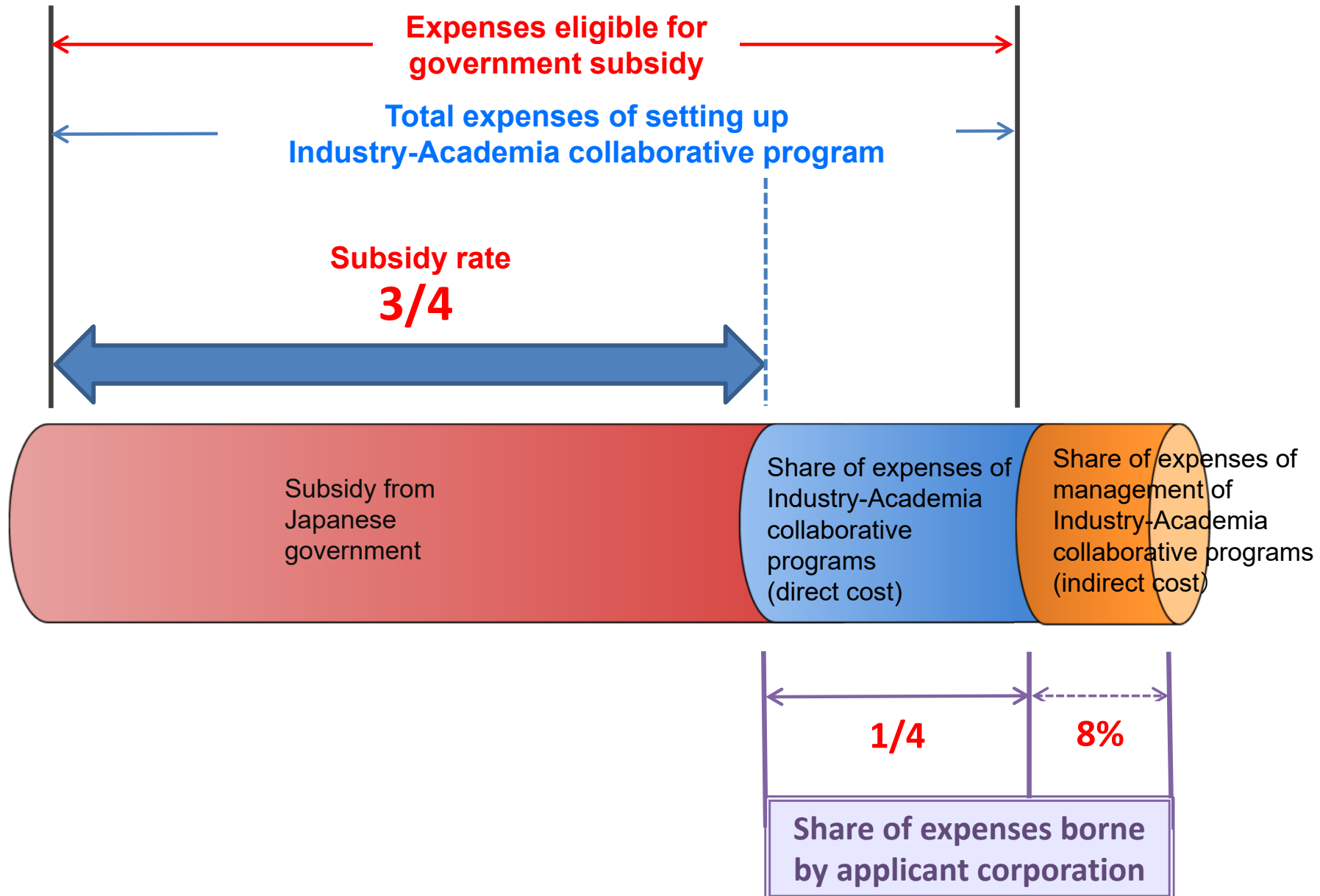
(Unit: JPY thousand)



◆ In addition to above cost, we ask for your cooperation in covering the costs of running the organization (operating contribution).

Expenses

③ University, Non-profit corporation (Subsidy rate:3/4)



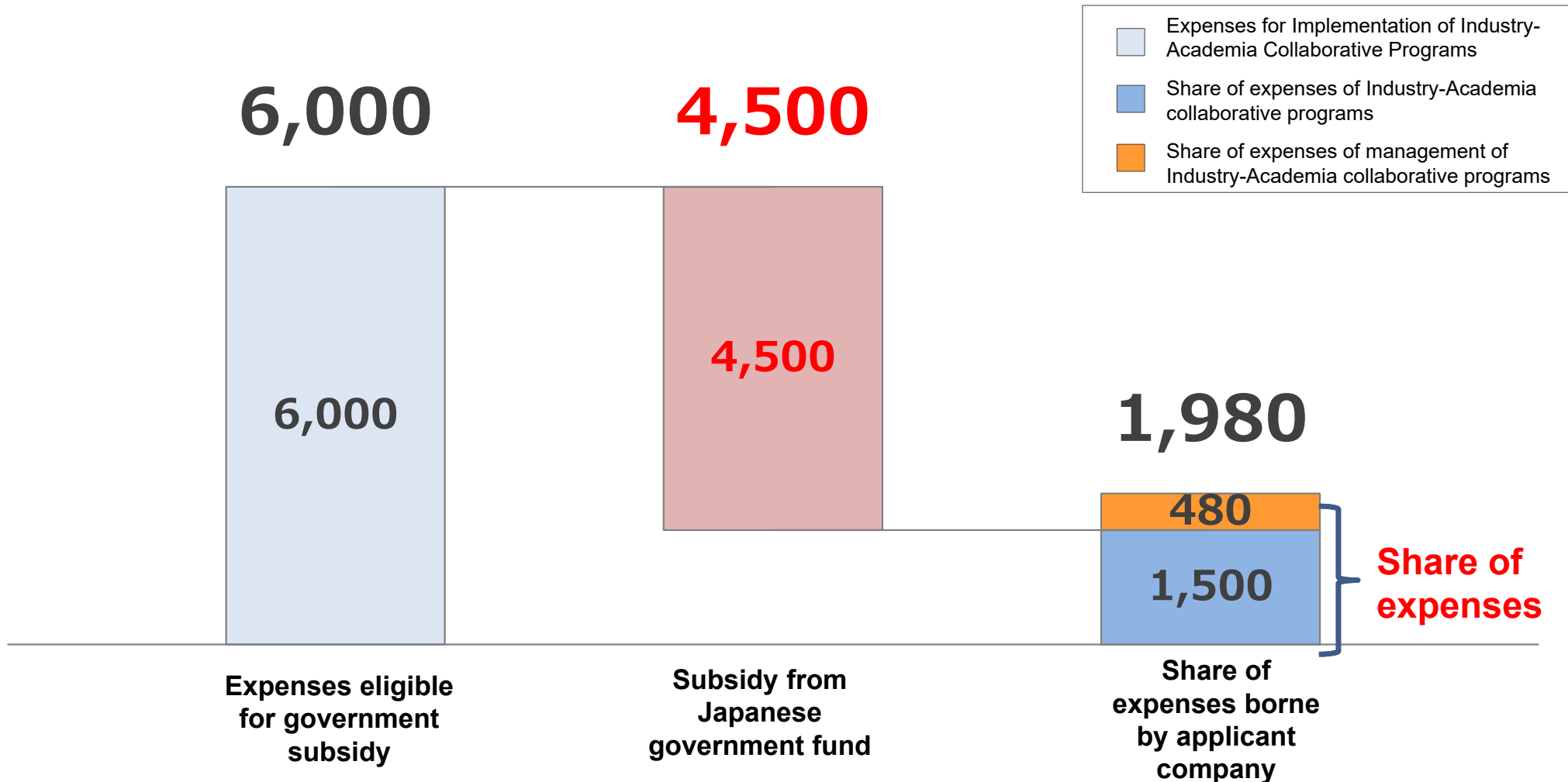
◆ In addition to above cost, we ask for your cooperation in covering the costs of running the organization (operating contribution).

Expenses (Example)

③ University, Non-profit corporation (Subsidy rate: 3/4)

(Unit: JPY thousand)

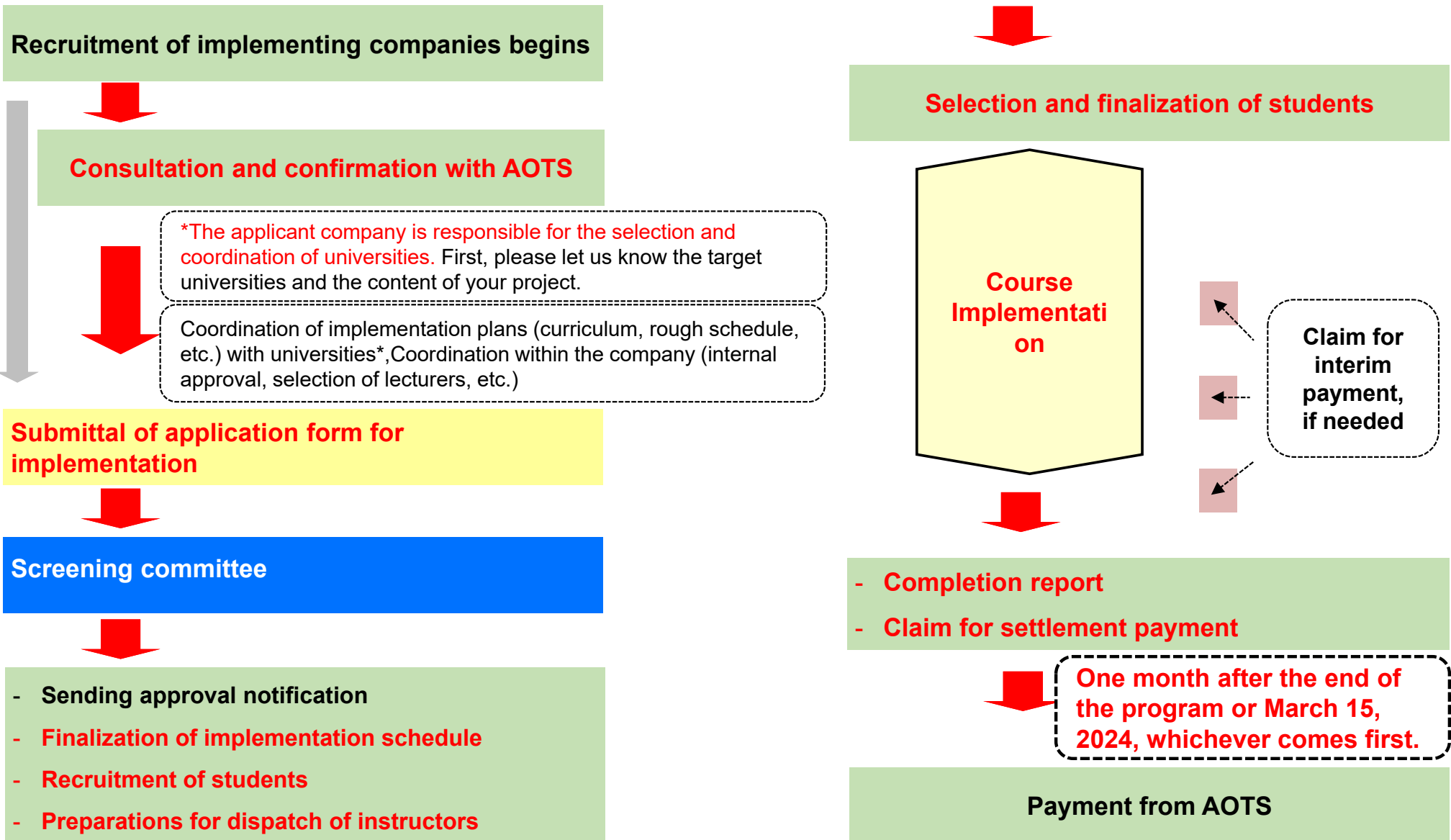
[Assumption]
• Total expenses of setting up Industry-Academia collaborative program: JPY6,000,000



◆ In addition to above cost, we ask for your cooperation in covering the costs of running the organization (operating contribution).

Flow of Use

■ 2-5 months are required from the date of submittal of the application form until the course implementation.



* In principle the applicant company is responsible for coordination of universities.

* Items in red are implemented mainly by the applicant company (Japanese or local Japan-affiliated company).

* Please plan courses in consideration of university exam periods, long vacations, etc.

■ Application Period

Applications are accepted at any time.

It takes about 3 weeks to notify the results of the screening.

* The execution status of budget plans may call for premature termination of acceptance of proposals.

■ Documents to be submitted

Please download from the following website.

<https://www.aots.jp/hrd/crtp-new/>

- Application for Implementation of Industry-Academia Collaborative Programs (prescribed form)
- Attachments
 - I. Company Brochure
 - II. Company History
 - III. Certified Copy of Register
 - IV. Financial Statements for last 3 fiscal years
- Supplementary Document (To be submitted as required)
 - I. Document on export/service transaction
 - II. Shareholder registry, etc.

■ Method of Submission

- Please send an electronic copy of the application form to indus-acad-collab-pg@aots.jp by e-mail and send the original application form to the AOTS Endowed Program Group address on the next page.

Contact List for Inquiries



The Association for Overseas Technical Cooperation and Sustainable Partnerships (AOTS)

Endowed Program Group, Corporate Liaison Department

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