

# **JSIP**

## **JAPAN-SPAIN INNOVATION PROGRAM**

### **R & D COOPERATION OPPORTUNITIES**

#### **WITH JAPAN**

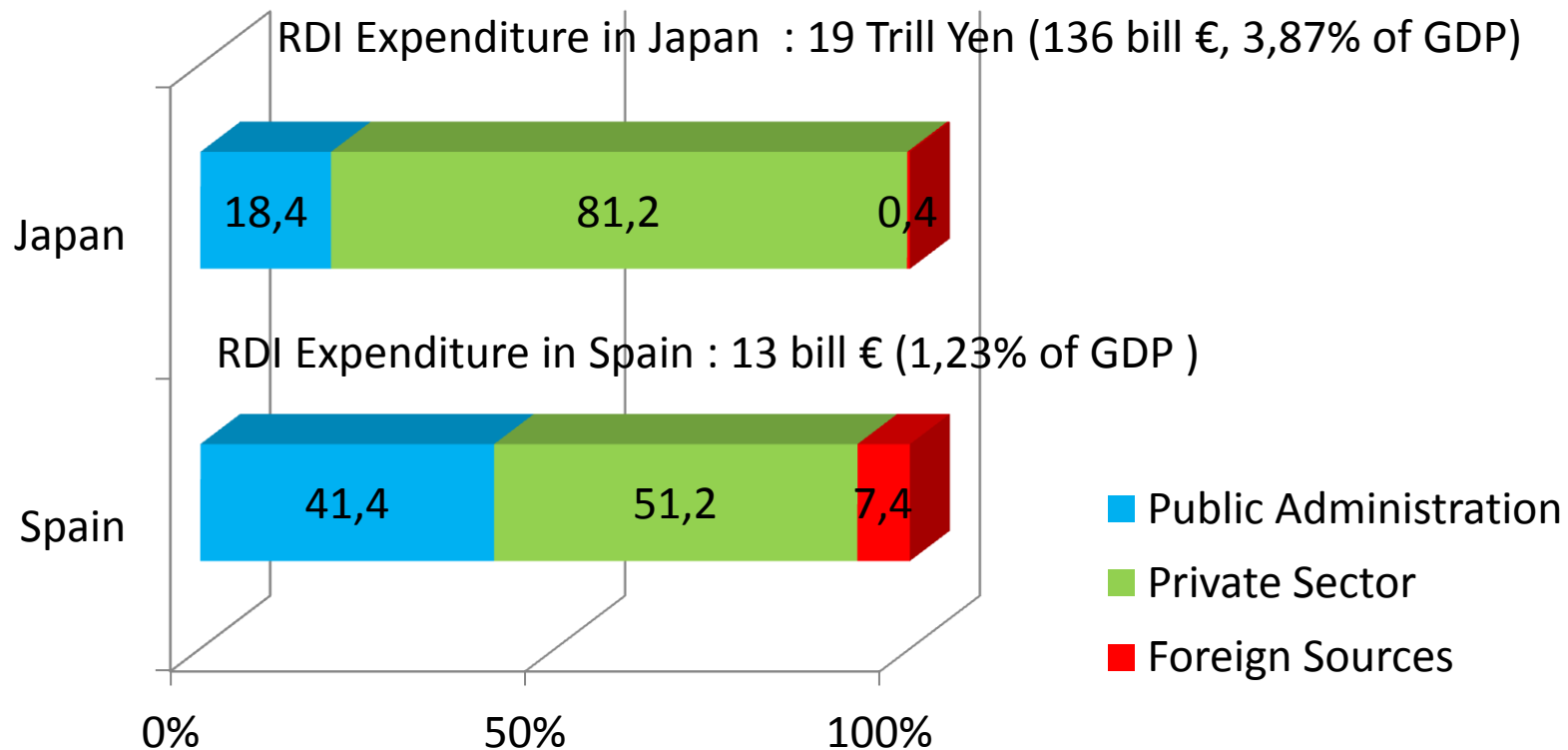
**DECEMBER 15, 2016**

Angeles Valbuena  
JSIP National Manager  
Departamento de Acción Tecnológica Exterior  
Programme Manager ASIA PACIFIC  
CDTI Madrid

Aki Dambara  
Director CDTI Japan  
15/12/2016

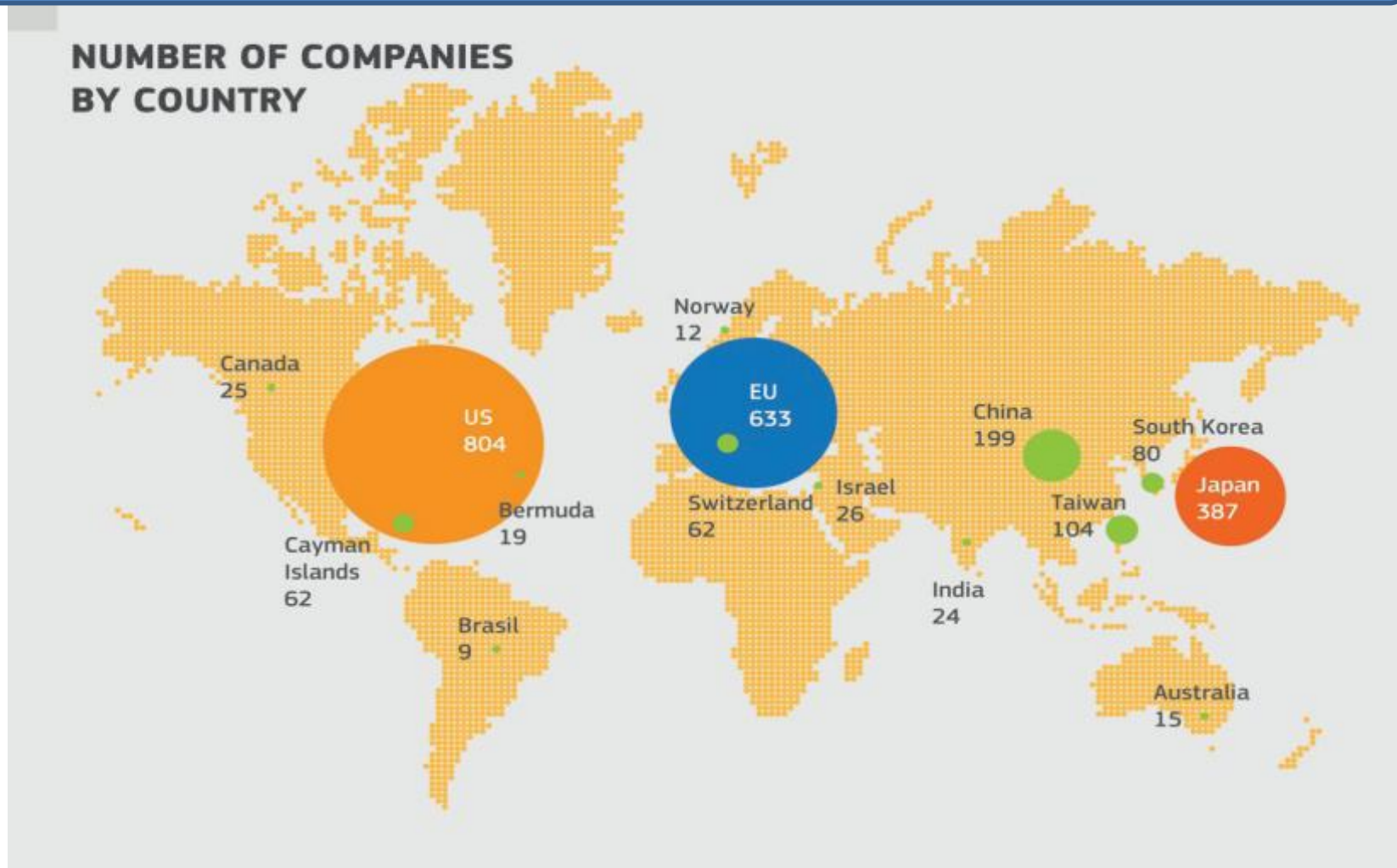
## Who finances the R&D activities in Japan and Spain?

In 2014



Fuente: Statistics Bureau of Japan, National Statistics Institute of Spain

## 387 companies in R &D Investment World Top 2500 Ranking

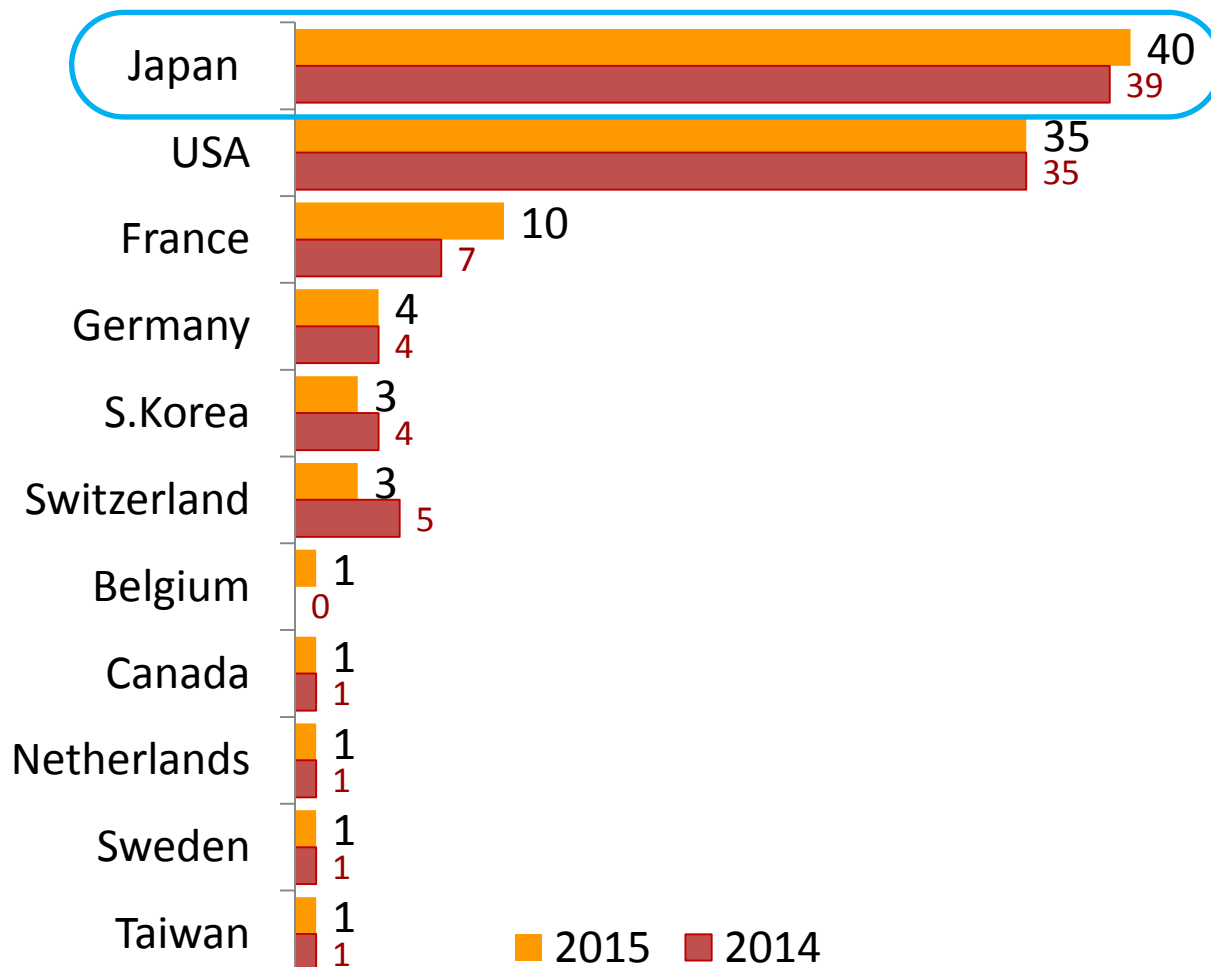


Source: EU Industrial R&D Investment Scoreboard 2014

# Japan - opportunities

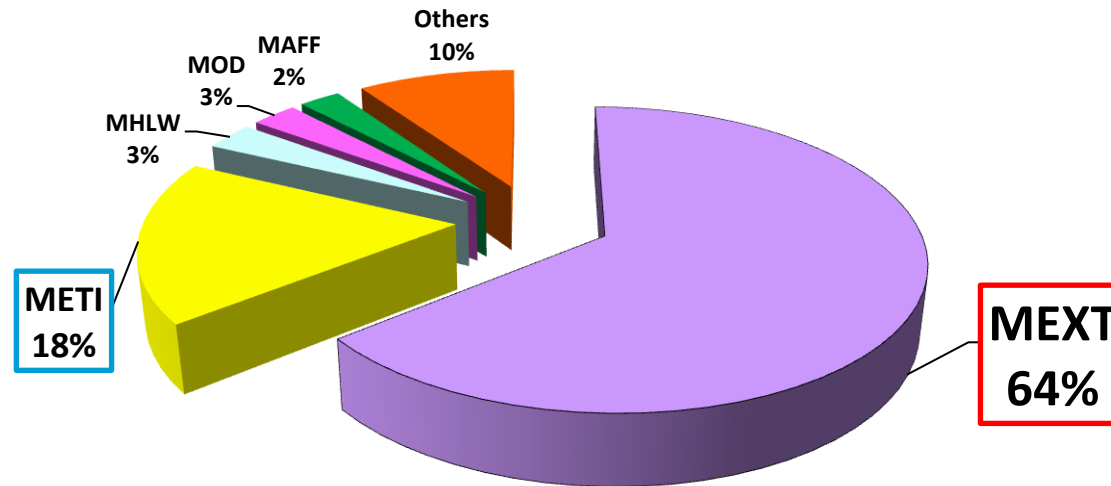
Japan overwhelmingly leads the industry in innovation with 40 of 100 world's most innovative companies

## Top 100 Global Innovative Companies By Thomson Reuters



## Japan S&T Related Budget in FY2016

4.0 Trillion Yen (32,000 MEuro)



- Ministry of Education, Culture, Sports, Science and Technology (MEXT)
- Ministry of Economy, Trade and Industry (METI)
- Ministry of Health, Labor and Welfare (MHLW)
- Ministry of Defense (MOD)
- Ministry of Agriculture, Forestry and Fisheries (MAFF)
- Others

NOTE : 1 Euro= 125JPY

Source: Cabinet Office

Editado por Centro para el  
Desarrollo Tecnológico Industrial

## Japan Comprehensive STI Strategy – 5 RETOS hasta 2030

### Realization of a Clean and Economical Energy System

- Promoting the initiative in line with the direction of the Basic Energy Plan.
- Cross-technology collaboration between production, consumption, and distribution

### Realization of a Healthy and Active Aging Society as a Top-runner in the World

- Cooperating with the Office for Healthcare and Medical Strategy.
- -Establishing circulation between basic research and clinical sites.

### Development of Next-Generation Infrastructure as a Top-runner in the world

- Realizing “Smart City” that solves integration issues as a whole.
- Developing a package of infrastructure including software.

### Fostering of New Industries by Utilizing Regional Resources

- Fostering growth in fields that have not been considered growth fields as growth engine

### Recovery and Reconstruction from the Great East Japan Earthquake

- Focusing resources on measures for short-term issues toward early recovery and reconstruction.

### Strengthening industrial competitiveness through cross-cutting technologies

Incorporating the sources of strengthening industrial competitiveness toward solving the above-mentioned policy issues.

- ICT**, including information security, big data analysis, and robot and control system technology)
- Nanotechnology** for developing devices, sensors, and advanced materials with new functions
- Environmental** technology including earth observation technologies and resources recycling

### STI Roadmap

[http://www8.cao.go.jp/cstp/english/doc/chapter2\\_roadmap\\_provisional.pdf](http://www8.cao.go.jp/cstp/english/doc/chapter2_roadmap_provisional.pdf)



# Japan Comprehensive STI Strategy – Roadmap (Ej 1)

## (1) Increase of the supply of renewable energies through innovative technologies

Energy (1)

**[Vision]** Society that fully utilizes clean renewable energies

**[Target]** Resolving technical issues in order to promulgate renewable energies

- Floating offshore wind power stations implemented by around 2018
- Solar power generation costs reduced to < ¥7/kWh after 2030

### **[Measures toward social implementation]**

- ❑ Establishment of environment, regulation systems related to installation and security of renewable energy systems
- ❑ Promotion of international standardization of technical standards, authentication systems, etc., pertaining to strengthening international competitiveness
- ❑ Promotion of activities related to ensuring social acceptability

### **Interim goals to be achieved at the intermediary stage (around 2020)**

- ❑ Successive implementation and diffusion of low-cost renewable energy technology achieved by cost reduction, etc.
- ❑ Environmental arrangement to assist diffusion of renewable energy technology
  - Stable operation of FIT, expediting environmental assessment, power grid, etc.

### **[Main measures]**

Present 2015 2020 2030

#### **<Development of floating offshore wind power generation systems>**

- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>❑ Elemental technology development                             <ul style="list-style-type: none"> <li>– Accumulate small- to medium-scale generation technologies</li> <li>– Promote scaling-up and weight reduction</li> <li>– Improve durability against salt-damage, etc.</li> <li>– Inspect structural designs</li> <li>– Develop floating system construction technologies</li> <li>– Develop generation control technologies</li> </ul> </li> <li>❑ Elemental technology development of operation methods                             <ul style="list-style-type: none"> <li>– Consider techniques of environmental impact assessment, etc.</li> <li>– Develop monitor/access/maintenance technologies</li> </ul> </li> <li>❑ Environmental arrangement                             <ul style="list-style-type: none"> <li>– Continue demonstration, expanding fields</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>❑ Elemental technology development                             <ul style="list-style-type: none"> <li>– Develop technologies for cost reduction</li> </ul> </li> <li>❑ Practical technology development</li> <li>❑ Practical technology development of operation methods</li> <li>❑ Taking the initiative in international standard formulation, ensuring international competitiveness</li> </ul> | <ul style="list-style-type: none"> <li>❑ Elemental technology development                             <ul style="list-style-type: none"> <li>– Develop technologies for cost reduction</li> </ul> </li> <li>❑ Technology development to coordinate with electric power systems</li> <li>❑ Taking the initiative in international standard formulation, ensuring international competitiveness</li> </ul> |
|---|---|--|

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# Japan (NEDO) – Spain (CDTI) Innovation Programme (JSIP)



**Cooperation Agreement**  
(Dec.03,2008)

Evaluation of Eligibility

**JSIP  
Eligibility  
Label**

Evaluation of Eligibility

Approval

Approval

**Joint Development Project**

**Joint Technology Development Agreement**

**New technology, New technology-based product**

**Market**

For  
JSIP Eligibility  
For  
Financial Aid

For  
Financial Aid  
For  
JSIP Eligibility

**Companies**

**Companies  
Research Institutes  
Universities**



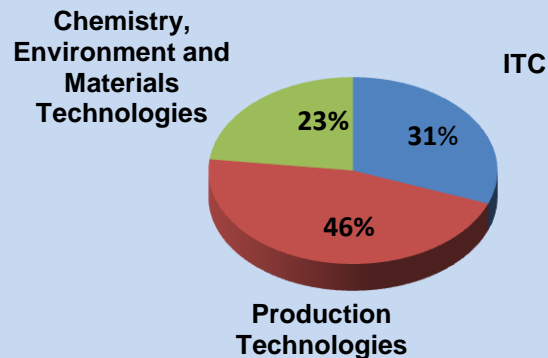
# 2. Bilateral Program JSIP



## General Overview: some figures

JSIP LABELLED PROJECTS 2009- June 2016	13
BUDGET OF PROJECTS, Spain	27 M€
BUDGET OF PROJECTS, Japan	57 M€

### JSIP SECTORS



### Funding of those projects:

- In Spain, all of them with public funding
- In Japan, 5 with public funding and 8 with private funds

### More information:

<http://www.cdti.es/index.asp?MP=7&MS=563&MN=3&TR=C&IDR=636>

[http://www.nedo.go.jp/activities/AT1\\_00469.html](http://www.nedo.go.jp/activities/AT1_00469.html)

# Japan(NEDO) – Spain(CDTI) Innovation Program (JSIP)

## CDTI Financial aid for Spanish companies

- Type : Soft loan + Grant (Non Refundable Portion of the loan)
- Coverage : Max.75% of project budget
- **Non refundable :** **30 % of CDTI Loan (\*)**
- Period : 10 years (grace period -3years)
- Interest : one-year Euribor (fix)
- Technology Field : any field proposed by applicants
- Apply : through out the year

(\*) Spanish companies can enjoy the privileged NRP(30 %), also when Japanese companies do not have financial support from NEDO (self-financing or have the other public support)

# INNOGLOBAL

<b>INTERNATIONAL COOPERATION</b>	<b>Including JSIP Bilateral Program.</b>
<b>TOTAL CDTI FUNDS</b>	EUR 10 million (TBC)/ Competitive Call
<b>FUNDING TYPE</b>	DIRECT GRANT Large Company=30%/ Medium=40% / Small=50%
<b>BUDGET</b>	Minimum €175.000
<b>PROJECT LENGHT</b>	Multiannual funding , 12-36 months, starting in 2017
<b>ESSENTIAL REQUIREMENTS</b>	<b>The International project should be requested before applying for INNOGLOBAL. The International Recognition should be granted between yyyy/mm/dd and yyyy/mm/dd(TBD).</b>
<b>MOTIVATED REPORT AVAILABLE</b>	This grant is not compatible with any other grants to the same project.

- Call period (TBD).
- Resolution foreseen (TBD).
- Regulation: Orden de Bases de Liderazgo (Orden ECC/1333/2015, de 2 de julio)

# Type of JSIP Project

(with JSIP Eligibility Label )



## ➤ Projects whose Japanese partners join with the NEDO's subsidy.

- ◆ Spanish Companies can enjoy the privileged NRP (30%), o INNOGLOBAL
- ◆ Japanese partners apply for one of the NEDO Calls.
  - NEDO takes into account the JSIP Label in the evaluation process, although it does not provide any financial incentive to the Japanese partner
  - The amount of subsidy varies in each call
  - According to the Call the coverage reaches 1/2, 2/3 or 100 % of the budget of the approved project

## ➤ Projects whose Japanese partners join with the subsidy granted by any other public organization.

- ◆ Spanish Companies can enjoy the privileged NRP (30%), o INNOGLOBAL

## ➤ Projects whose Japanese partners join with their own fund.

- ◆ Spanish Companies can enjoy the privileged NRP (30%), o INNOGLOBAL
- ◆ Japanese partners participate with their own money .
- ◆ **3 Cut off Dates** to present the Application for JSIP Legibility Label.  
**March 31, June 30, October 31**

# CDTI Technology Mission to the Japan Wind Expo 2017

## □ CDTI Technology Mission

([https://www.cdti.es/recursos/doc/Programas/Cooperacion\\_internacional/innvolucra/37205\\_454520169346.pdf](https://www.cdti.es/recursos/doc/Programas/Cooperacion_internacional/innvolucra/37205_454520169346.pdf))

- Financial aid: 2.080 Euros/company
- Program
  - Presentation of Spanish companies' capabilities to the members of Japan Wind Power Association. (Feb 28 TBC)  
(<http://jwpa.jp/englishsite/list/index.html> )
  - Visit to Japan Wind Expo 2017 (Mar 01-03 )

## □ Japan Wind Expo 2017 (<http://www.windexpo.jp/en/Home/>)

- Tokyo Big Site, Mar 01 – 03
- Free (previous registration on-line)
- Technical Conferences
- Business meeting arrangement with exhibitors (web appointment system)
- 8 Concurrent Expos: FC Expo, PV Expo, PV System Expo, Battery Japan, Smart Grid Expo, Energy Market Liberalization Expo, Biomass Expo, Thermal Power Expo
- Total 430 exhibitors from 31 countries

# NEXT STEPS

## ❑ Expression of interest Japan Wind Expo 2017

- ❑ January, 13 : Deadline to present Technical profile of interested companies (FORM)
- ❑ January, 16 : Feedback to NEDO
- ❑ January, 19 : Meeting CDTI-NEDO
- ❑ January, 30 : Final Decision

## ❑ Registration for Wind Expo and B2B request

## ❑ AIPT Form to CDTI for Travel Expenses

- ❑ February, 8: Deadline to present AIPT Form and present officially the joined request to CDTI

## ❑ Travel to Japan (Tokyo)

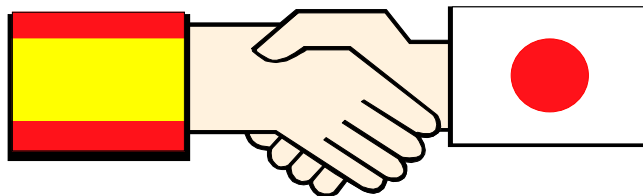
- ❑ 28 February – 3 March

## ❑ Report to CDTI

- ❑ March, 3 – May, 30



ご静聴ありがとうございました



Departamento de Acción Tecnológica Exterior  
Programme Manager Asia Pacific  
National Manager JSIP and CHINEKA at CDTI

**Ms. Angeles Valbuena**

[angeles.valbuena@cdti.es](mailto:angeles.valbuena@cdti.es)

Director, CDTI Japan (SBTO)

**Mr. Akihisa Dambara**

[ad@sbto.or](mailto:ad@sbto.or)

**GRACIAS**

**THANK YOU**