

JSIP

JAPAN-SPAIN INNOVATION PROGRAM

R & D COOPERATION OPPORTUNITIES

WITH JAPAN

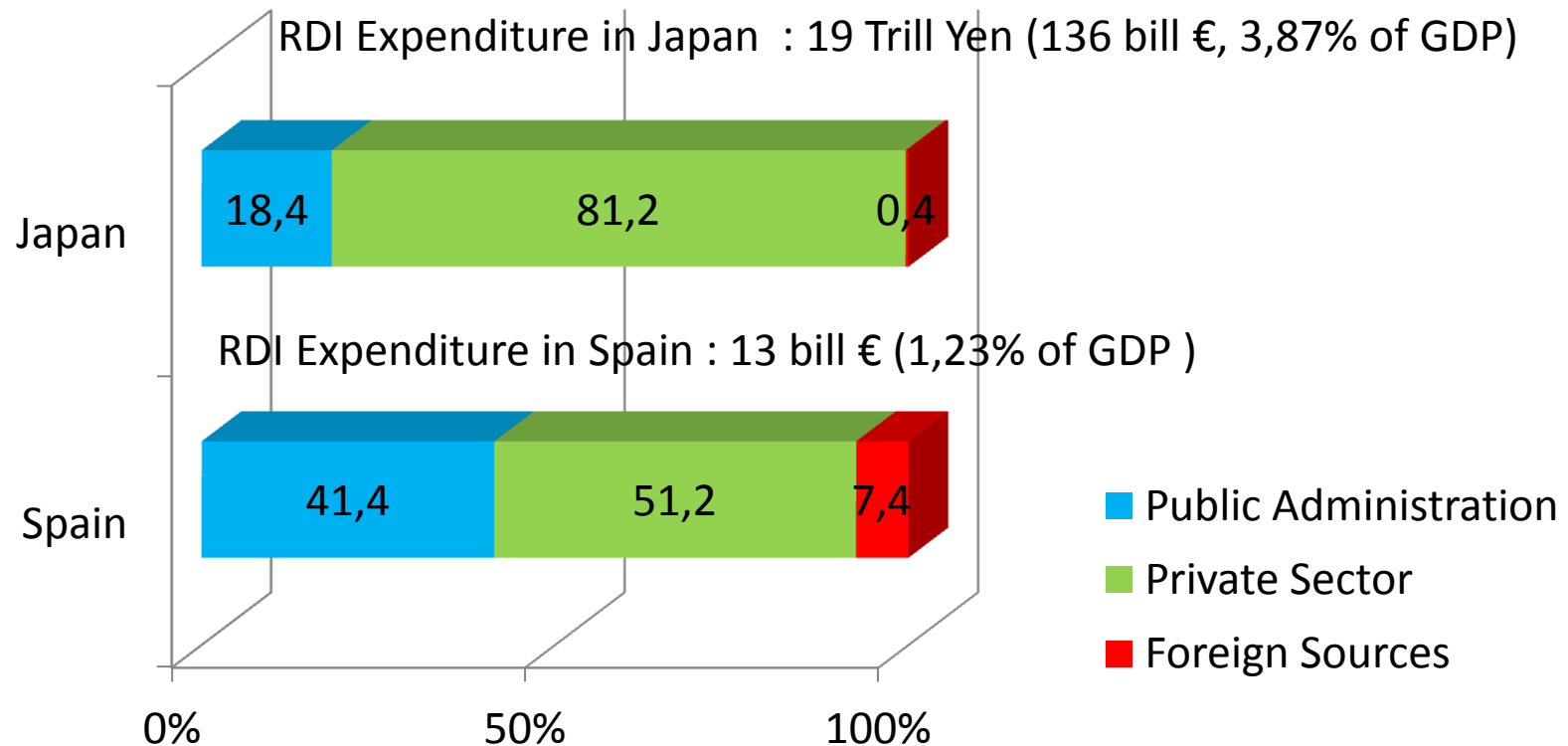
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15/12/2016

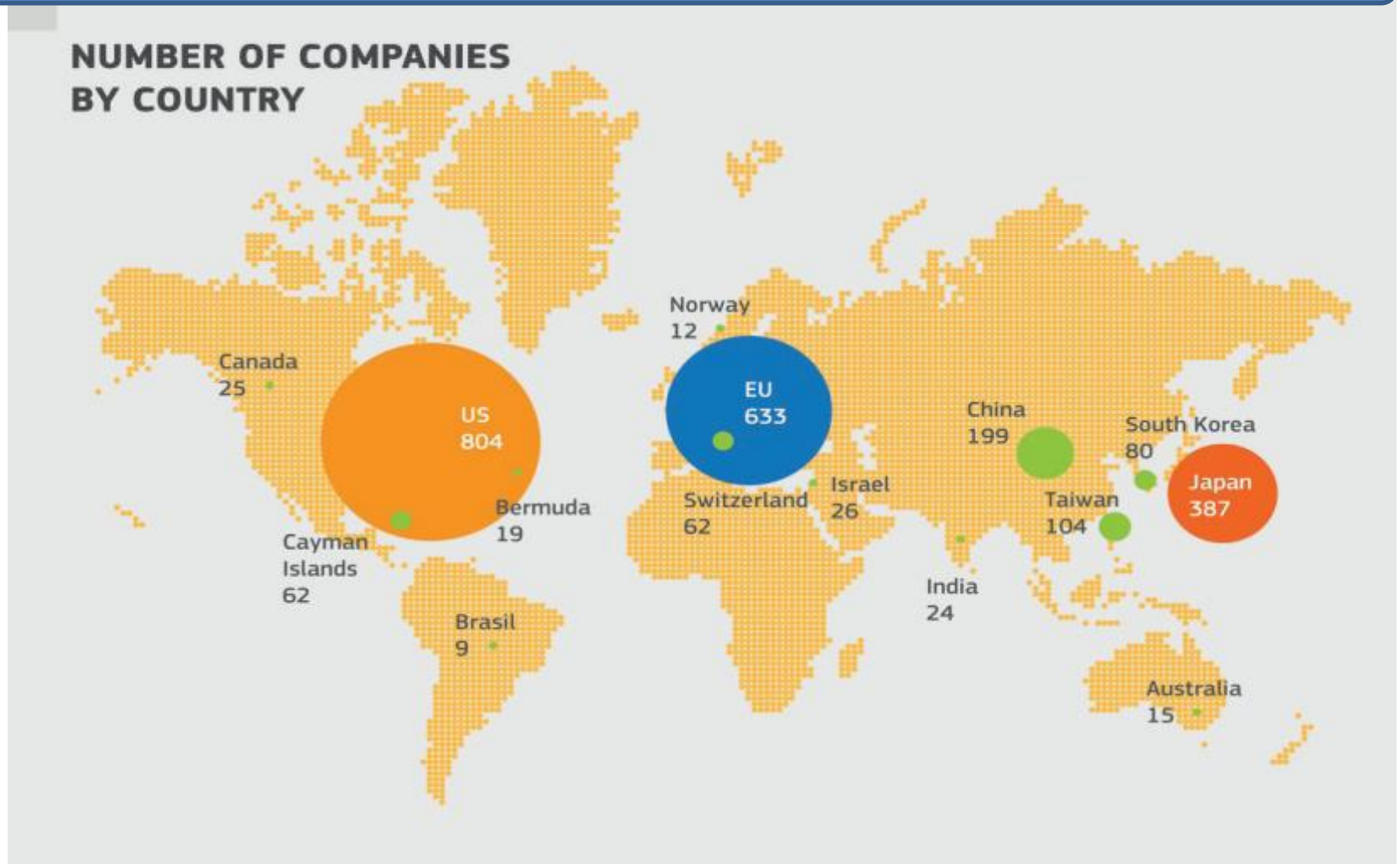
Who finances the R&D activities in Japan and Spain?

In 2014



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

387 companies in R &D Investment World Top 2500 Ranking

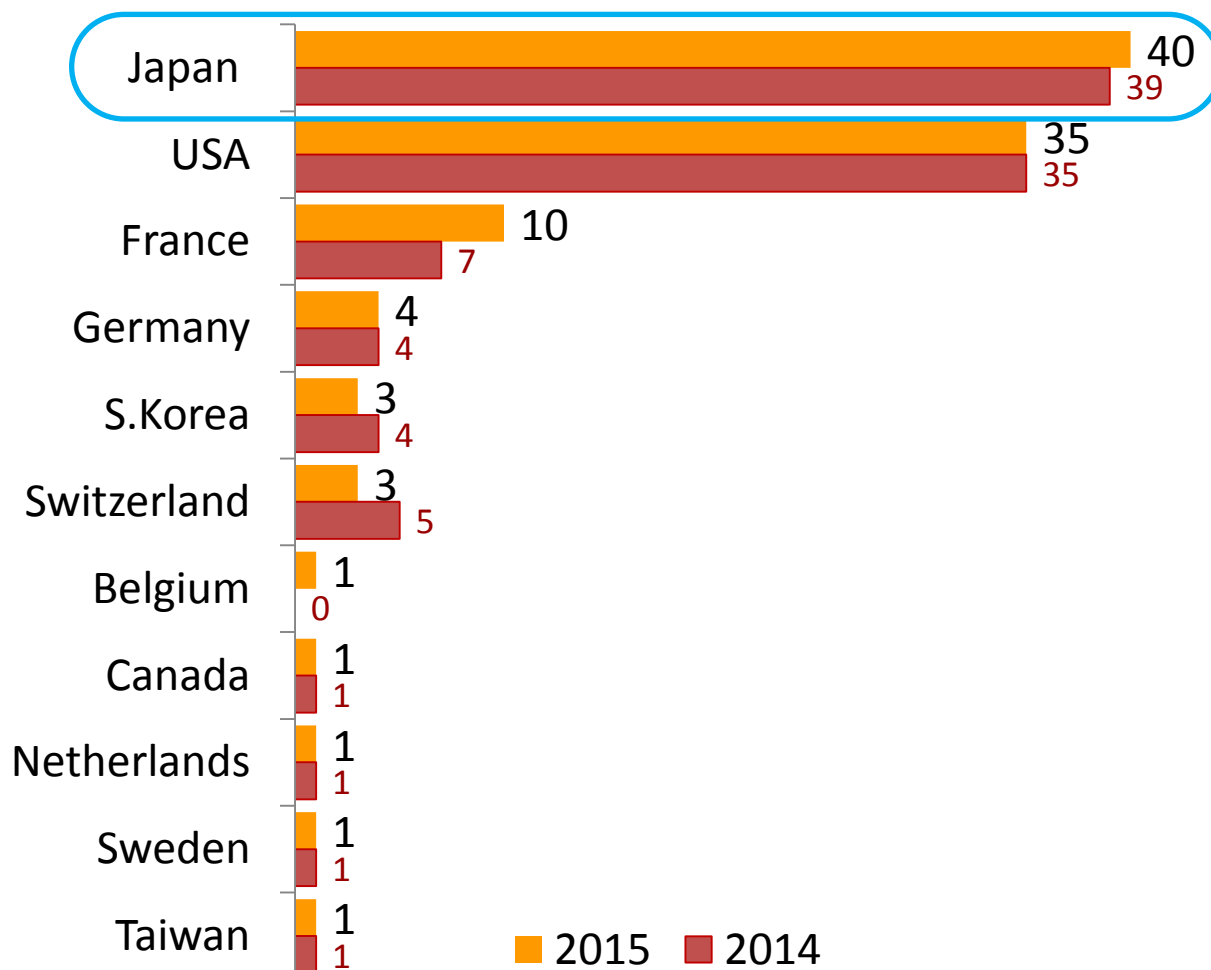


Source: EU Industrial R&D Investment Scoreboard 2014

Japan - opportunities

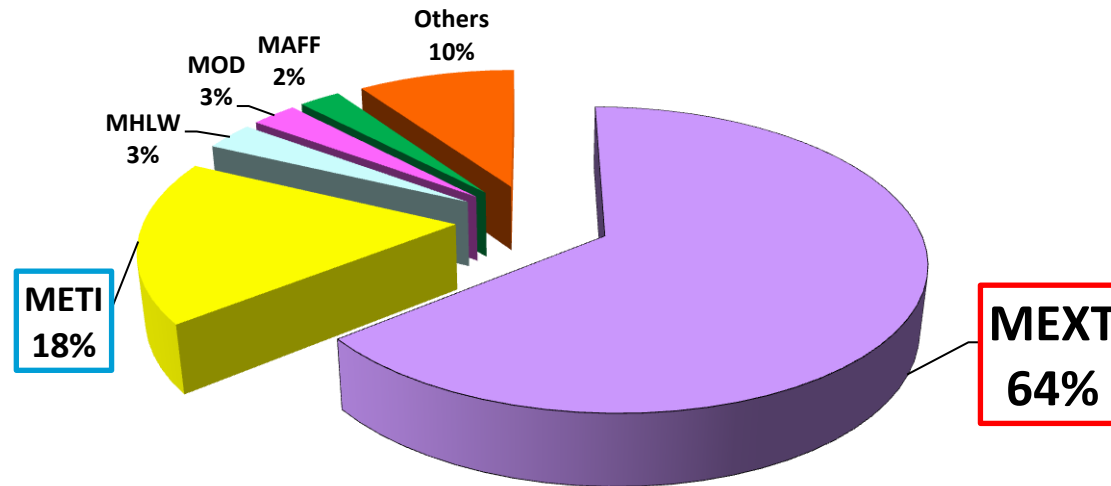
Japan overwhelmingly leads the industry in innovation with 40 of 100 world's most innovative companies

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

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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

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>

❑ Elemental technology development – Accumulate small- to medium-scale generation technologies – Promote scaling-up and weight reduction – Improve durability against salt-damage, etc. – Inspect structural designs – Develop floating system construction technologies – Develop generation control technologies ❑ Elemental technology development of operation methods – Consider techniques of environmental impact assessment, etc. – Develop monitor/access/maintenance technologies ❑ Environmental arrangement – Continue demonstration, expanding fields	❑ Elemental technology development – Develop technologies for cost reduction ❑ Practical technology development ❑ Practical technology development of operation methods ❑ Taking the initiative in international standard formulation, ensuring international competitiveness	❑ Elemental technology development – Develop technologies for cost reduction ❑ Technology development to coordinate with electric power systems ❑ Taking the initiative in international standard formulation, ensuring international competitiveness
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Japan (NEDO) – Spain (CDTI) Innovation Programme (JSIP)



Cooperation Agreement
(Dec.03,2008)

Evaluation of Eligibility

Evaluation of Eligibility

**JSIP
Eligibility
Label**

Approval

Approval

Joint Development Project

Joint Technology Development Agreement

Companies

**Companies
Research Institutes
Universities**

New technology, New technology-based product

Market

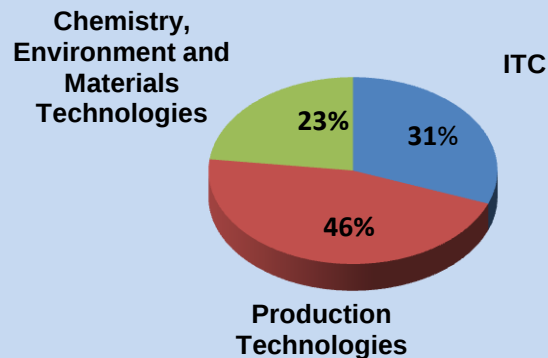
2. Bilateral Program JSIP



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

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

INTERNATIONAL COOPERATION	Including JSIP Bilateral Program.
TOTAL CDTI FUNDS	EUR 10 million (TBC)/ Competitive Call
FUNDING TYPE	DIRECT GRANT Large Company=30%/ Medium=40% / Small=50%
BUDGET	Minimum €175.000
PROJECT LENGHT	Multiannual funding , 12-36 months, starting in 2017
ESSENTIAL REQUIREMENTS	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).
MOTIVATED REPORT AVAILABLE	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)

- 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

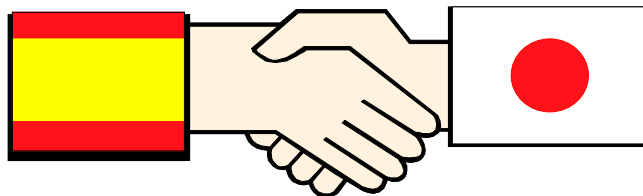
❑ Travel to Japan (Tokyo)

- ❑ 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



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GRACIAS

THANK YOU