

CDTI-NEDO online Joint Workshop on Hydrogen Technology - Green Hydrogen Production & Mobility -



Overview of the JSIP Bilateral Program “Japan - Spain Innovation Program”

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CDTI, E.P.E. – Ministry of Science and Innovation of Spain



SPAIN'S NATIONAL INNOVATION AGENCY

Main mission: Enhance Spanish companies' competitiveness & internalization through INNOVATION





More than 40 years supporting business RTDI



More than 13,000 beneficiary
companies



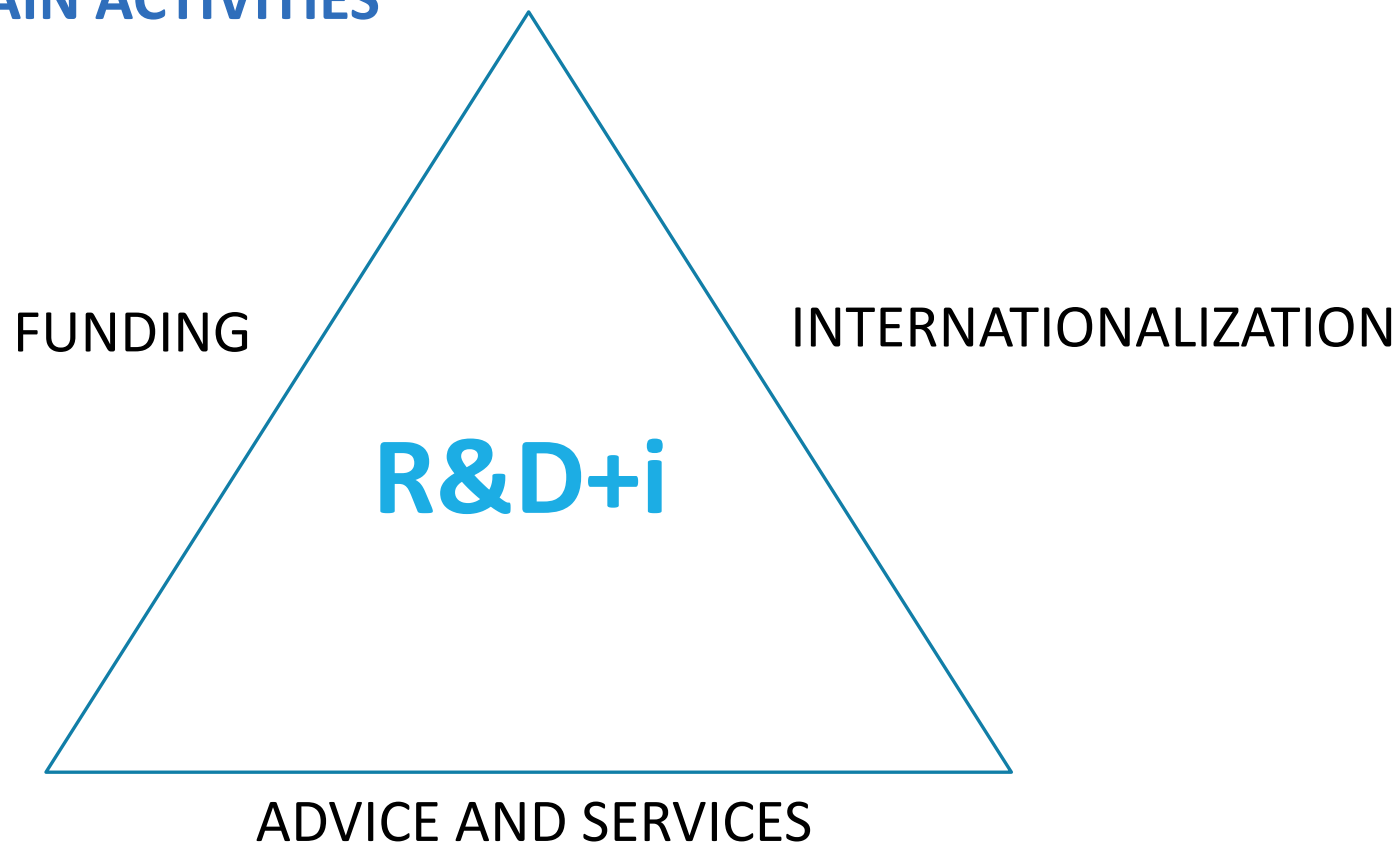
Business RTDI
Technological modernization
Internationalization
Participation in International Programs

Direct funding 16,300 million EUR



CDTI, E.P.E. – Ministry of Science, Innovation and Universities of Spain

CDTI'S MAIN ACTIVITIES





CDTI, E.P.E. – Ministry of Science, Innovation and Universities of Spain

RTDI funding

- Evaluation and funding
- Reports towards tax exemption

Public Procurement Purchase

- Scale up of technologies → Develop a prototype & test in a real situations

RTDI internationalization

- Technological Cooperation: Eureka, Iberoeka, Eurostars, H2020, Bilateral
- Support to technological transfer: Foreign network

Support to the creation and consolidation of new technology-based companies

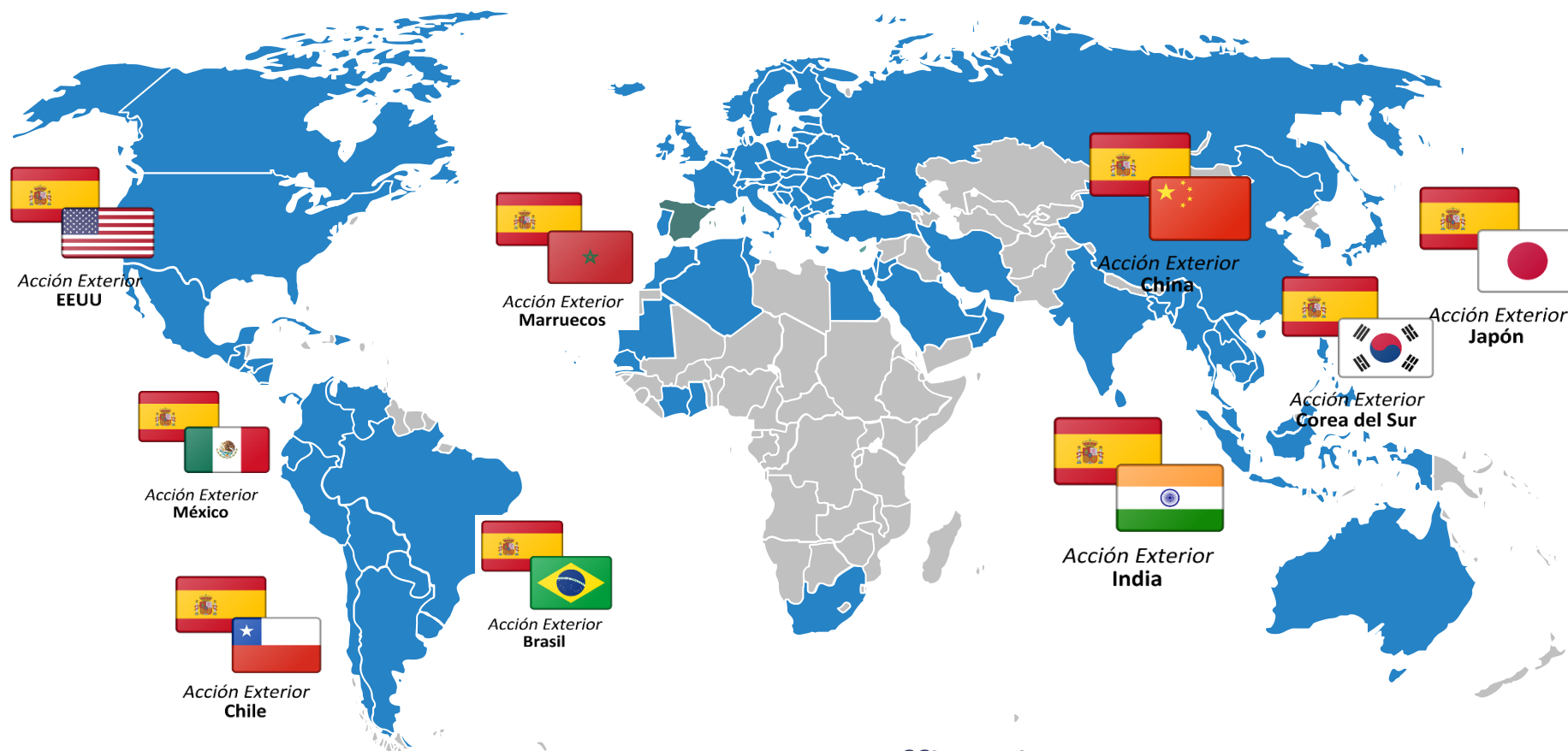
- INNVIERTE
- Neotec grants

Aeronautics, Space and Industrial Returns Programmes

- Aerospace RTDI
- Technological supplies: CERN/ESRF , Hispasat, Eumetsat, Spainsat.



CDTI, E.P.E. – Overseas CDTI Offices



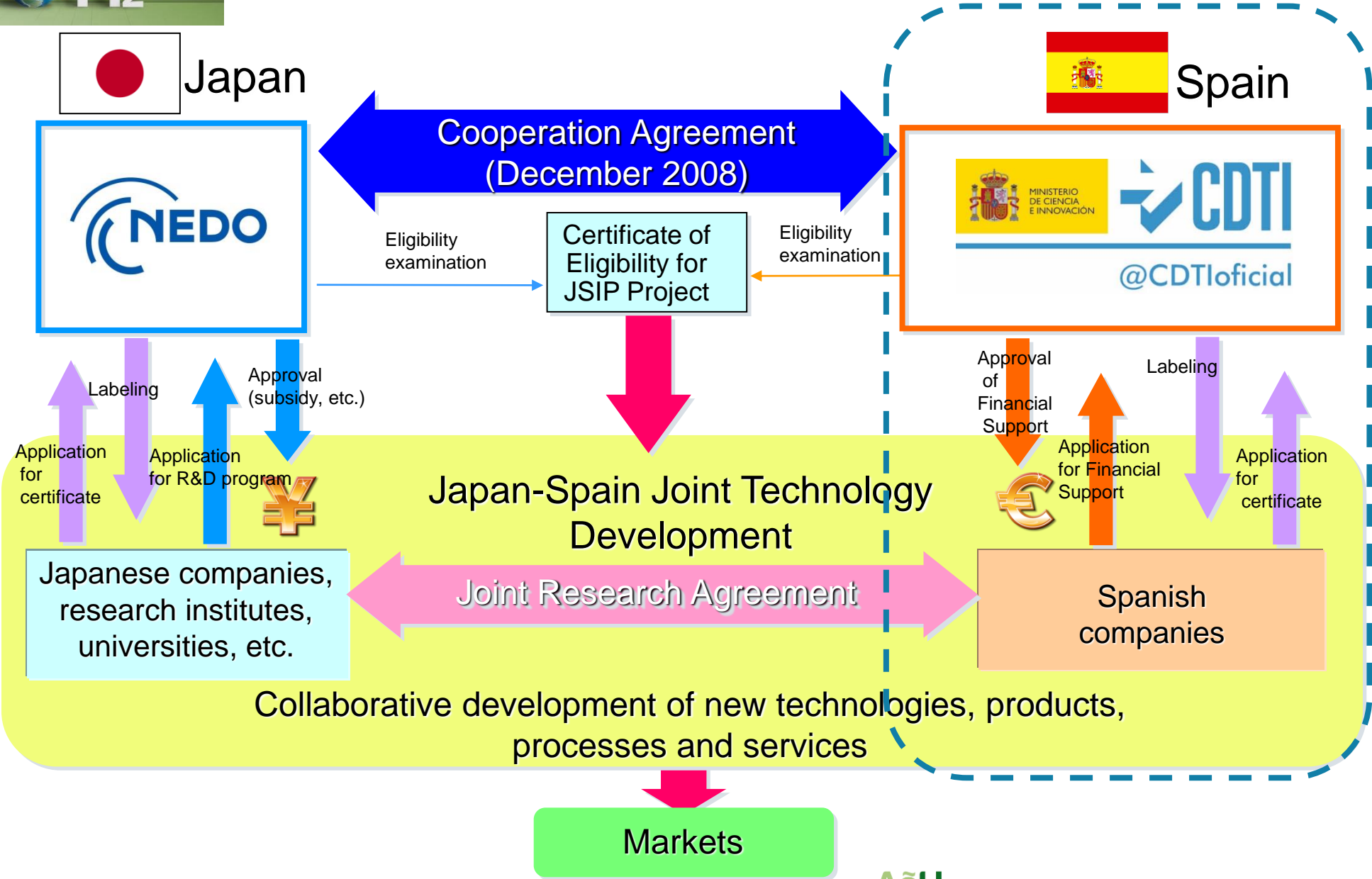
CDTI SOST overseas offices in :

Japan, South Korea, China, India, USA, Morocco, Chile, Brazil, Mexico, Brussels

<http://www.cdti.es/index.asp?MP=8&MS=155&MN=2>



Japan - Spain Innovation Program (JSIP)





JSIP Projects

CDTI Financial aid for Spanish companies

- ✓ Type: Soft loan + Grant (Non-Refundable Portion of the loan)
- ✓ Coverage: Maximum 85% of project budget
- ✓ Minimum Project Budget: €175.000
- ✓ Project Period: Max 24-36 months
- ✓ **Non refundable Tranche:** **33 % of CDTI Loan amount(*), JSIP Label is required**
- ✓ Refund Period: 10 years (grace period 2-3 years)
- ✓ Interest: One-year Euribor (fix)
- ✓ Technology Field: Multisectorial
- ✓ Application: Through out the year
- ✓ Spanish companies can also enjoy these conditions in case that Japanese partners join the project with their own fund, without a Japanese public grant, if the project get JSIP Label.

(*) The Non-Refundable Tranche is calculated on a loan amount (financial coverage) maximum of 75 % of the total budget approved by the CDTI Board Meeting. The excess of financial coverage up to 85% does not generate the Non-Refundable Tranche.



New Energy and Industrial Technology
Development Organization

Mission:

- Address energy and global environmental problems*
- Enhance industrial technology development*

Organization: *Established in 1980;
under the Ministry of Economy, Trade and
Industry of the Government of Japan*

Head Office: *Kawasaki City, Japan*

Personnel: *1,256 (As of April, 2021)*

Budget: *152 Billion yen (≒ 1.2 Billion €) (FY2021)*

Chairman: *Mr. Hiroaki Ishizuka*





New Energy and Industrial Technology
Development Organization

Activity Fields

FY 2021 Budget 152 Billion yen (≐ 1.2 Billion €)

Energy Systems (440 M€)

Areas of focus

- Energy storage technology such as batteries
- Technology related to hydrogen production, storage, transport, and use
- Renewable energy technology



Energy Conservation and Environment (337 M€)

Areas of focus

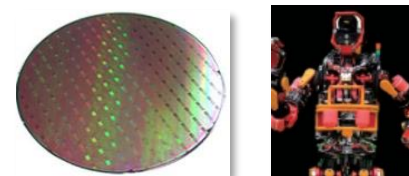
- Technology to harness unutilized thermal energy
- Environmentally-friendly steel manufacturing technology
- Development of high-efficiency coal-fired power generation technology
- CCUS
- International demonstrations



Industrial Technology (388 M€)

Areas of focus

- Robot and AI technology
- IoT, electronics, and information technology
- Manufacturing technology
- Materials and nanotechnology
- Biotechnology



New Industry Creation and Discovery of Technology Seeds (56 M€)

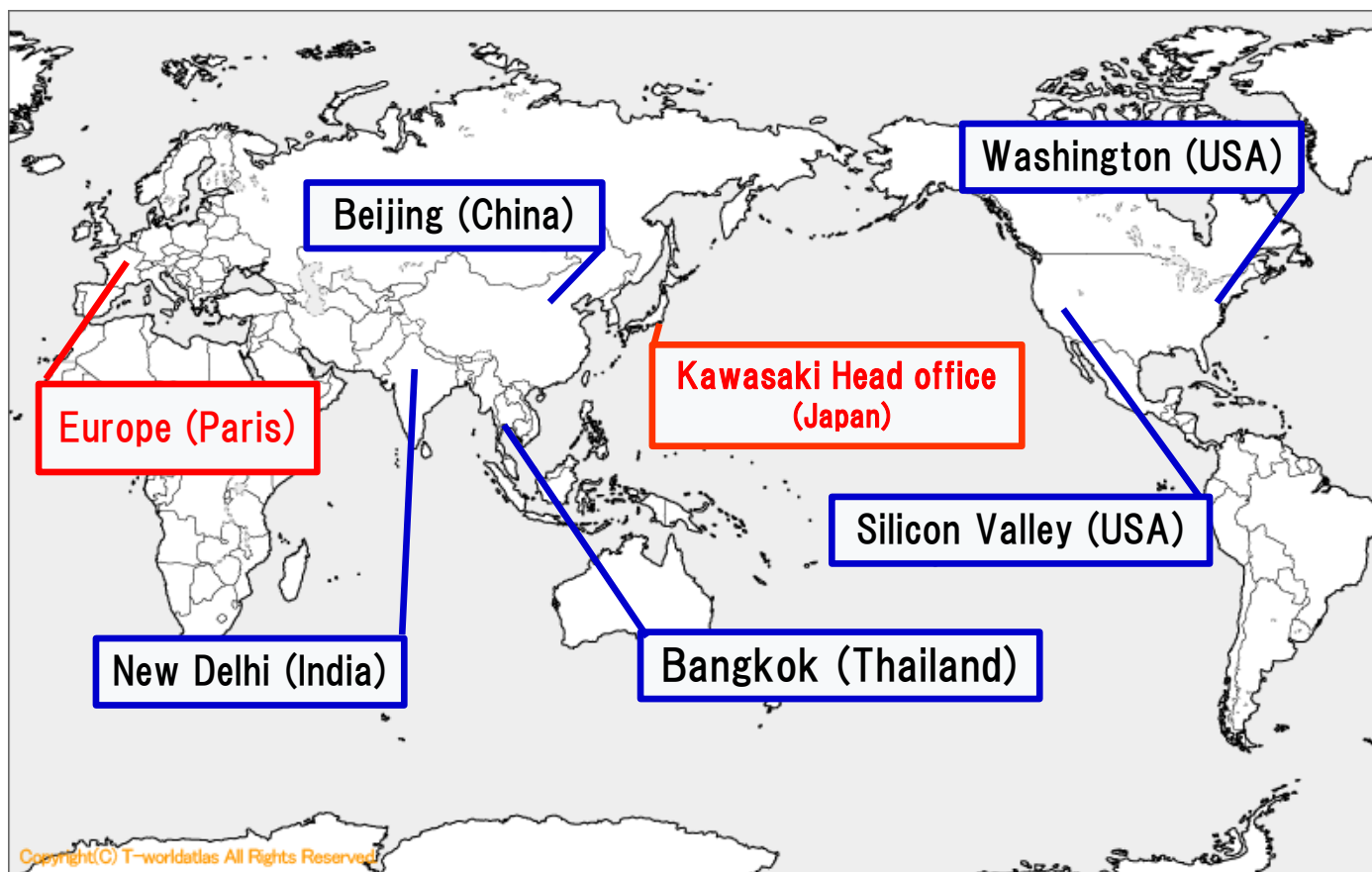
Areas of focus

- Fostering technology-based startups
- Promotion of open innovation

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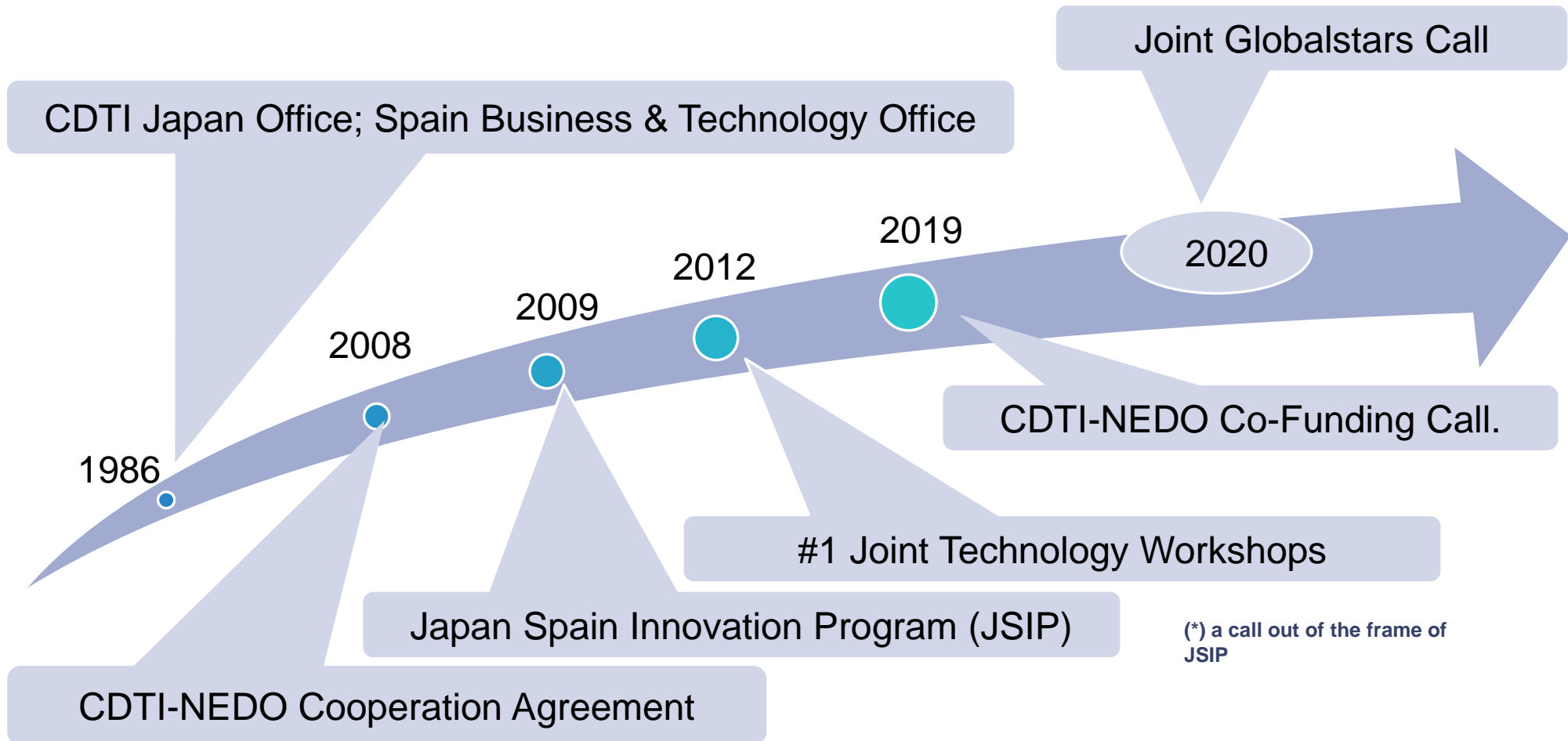


NEDO Overseas Offices





Japan Spain Innovation Program



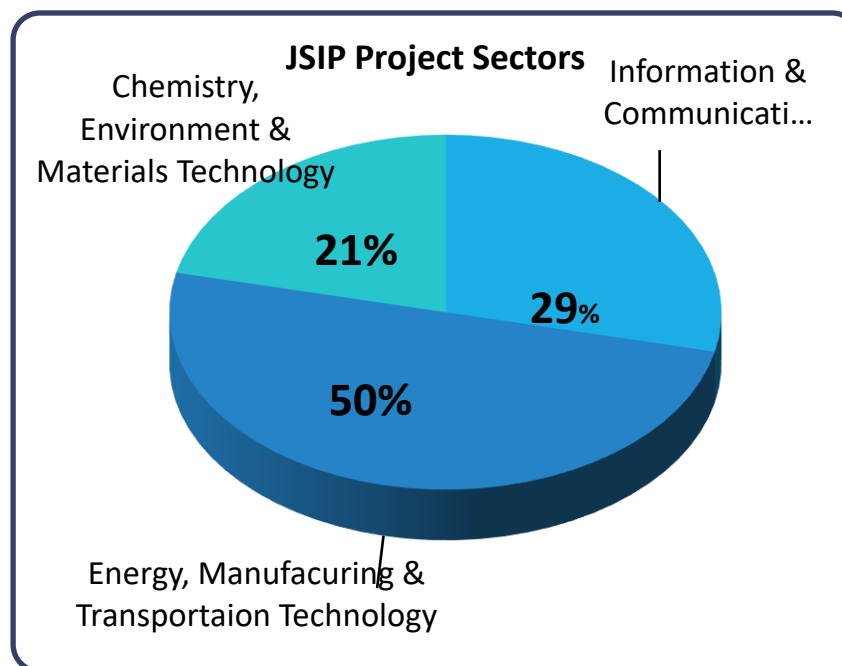


Japan (NEDO) – Spain (CDTI) Innovation Program (JSIP)

JSIP Certified Projects 2009- 2019	14
Total Budget of all projects	85 M€



Joint Globalstars call in 2020	1
Total Budget of all projects	1.4M€





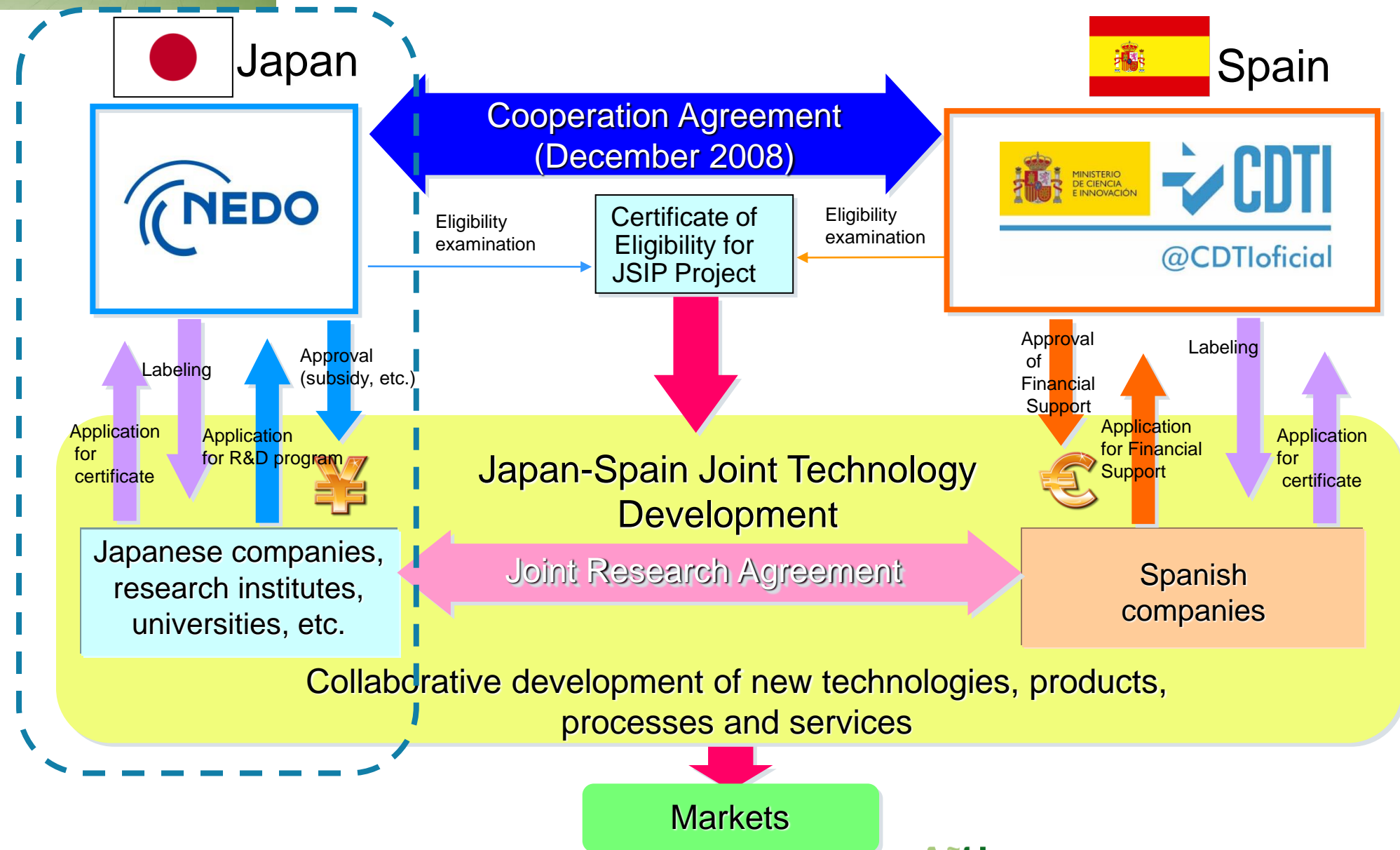
Japan (NEDO) – Spain (CDTI) Innovation Program (JSIP)

Joint Technology Workshops 2012-2021

- #1 2012 Renewable Energy (PV, CSP, Offshore Wind, Marin) @Madrid
- #2 2013 High Temperature Superconductivity Technology @Madrid
- #3 2013 Flexible AC Transmission Systems & Superconductivity @Kawasaki
- #4 2014 Smart Energy @ Madrid
- #5 2015 Smart Devices and Materials for the automotive industries @Kawasaki
- #6 2016 Effective Use of Thermal Energy in Industry @ Bilbao
- +Special 2017 Spain Offshore Wind Energy Technical Presentation and Dialogue @Tokyo
- #7 2018 Effective Use of Thermal Energy in Industry @Tokyo
- #8 2018 Offshore Wind Energy @ Bilbao
- #9 2019 Offshore Wind Energy @ Kitakyushu
- #10 Joint Workshop CDTI-NEDO on Hydrogen Technology @Online



Japan - Spain Innovation Program (JSIP)





New Energy and Industrial Technology
Development Organization

NEDO / JSIP Projects

- ✓ Target Area :
 - International technological development cooperation for a product, process or service having a definite market potential
- ✓ NEDO Evaluation Criteria :
 - Involve at least one among enterprise, university or public research institute from Japan and at least one enterprise from Spain.
 - Have some expected benefit from pursuing the project on an international joint collaboration between Japan and Spain
- ✓ Application:
 - JSIP Label Application + copy of Cooperation Agreement
 - Through out the year
- ✓ JSIP Certificate will be given to the applicants subject to the joint evaluation by NEDO and CDTI.

URL : https://www.nedo.go.jp/activities/AT1_00469.html



GRACIAS

THANK YOU

ご静聴ありがとうございました