

JORDAN-SPANISH INNOVATION PROGRAMME (JORDESP)

2nd Jordan-Spanish Joint Call for R&D&I Proposals (2019)

CDTI has reached a bilateral Agreement with the Higher Council for Science and Technology (HCST)/ Industrial R&D Fund, also our partner in the multilateral Call PRIMA

Among other goals, to fund Spanish Companies (by CDTI) undertaking R+D Cooperative Projects with Jordanian entities (funded by HCST-IRDF)

GENERAL INFORMATION

- ✓ **Type of projects:** Industry-driven and market-oriented R&D projects, consisting in the development or substantial improvement of new products, processes or services will be considered.
- ✓ **Projects to be funded jointly.** CDTI will fund Spanish companies involved in R+D projects in a joint technological partnership with a Jordanian established company and a Jordanian Research Center or University (both funded by IRDF).
- ✓ **The Call will be open for applicants from February 1st, 2019 until April 30th, 2019.**
- ✓ **Duration of the R&D projects:** between 12 to 36 months.
- ✓ **Consortia:** At least one Spanish private company, one Jordanian industrial company and one Jordanian Research Center or University.

- ✓ **Collaborative R&D projects but with a special focus on the following fields: Renewable Energies, Energy Efficiency, Energy Storage, Nanotechnology, ICT Applications, Smart Grids, Agriculture & Water & Renewable Energies, Agriculture & Sustainable Food Production, Sustainable Water Management, Environment Sector, Infrastructures and Industrial development.**
- ✓ **The technology readiness level of the proposed project must be higher than 3 (TRL> 3) and lower than 7 (TRL<7). Technology readiness levels (TRL)**

TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

TRL 4 – technology validated in lab

TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

CALL FOR BILATERAL PROJECTS "JORDESP"

BUDGET AND FUNDING / A

✓ Budget requirements for the R&D Projects:

- ✓ The minimum CDTI fundable budget per Spanish company will be €175,000. There is not an upper budget ceiling in the Spanish side.
- ✓ Maximum budget balance between countries in order to be a cooperative project (balanced consortia): 70/30. For instance:

Partner	€ Budget	% Budget	Funding
Spanish company	€175,000	70	CDTI + Spanish private contribution
Jordanian company + Jordanian University	€75,000	30	HCST-IRDF + Jordanian private contribution
Consortia	€250,000	100	

Example

BUDGET AND FUNDING / B

- ✓ **Eligible costs for the Spanish company involved in a R&D project: equipment, own staff, material for tests and prototypes, sub-contracting of Research Centers/Universities and Enterprises (not allowed to subcontract its partner in the project), overheads.**
- ✓ **Eligible costs for the Jordanian partners involved in a R&D project: researcher remuneration, technological services, manpower, consumables, transportation, for international travel: it should be justified.**

CALL FOR BILATERAL PROJECTS “JORDESP”

APPLYING

- ✓ **Joint RDI proposals must be submitted to CDTI and IRDF/HCST, by the 30th of April, 2019.** Unilaterally submitted proposals shall not be considered.
- ✓ **Spanish applicant should apply through CDTI website and Jordanian entities through HCST’s website. For queries: rasha.s@hcst.gov.jo**
- ✓ **It is mandatory to provide:**
 - ✓ **Application Form (in English), signed by all parties,** focus on the project as a whole, the activities of the participants and the importance of the project for all partners.
 - ✓ **Consortium agreement (in English), signed by all parties,** describing the agreed conditions of results exploitation and detailing IPR.
- ✓ **For more information, please contact Mr. Durán josemanuel.duran@cdti.es,
cc: Ms. Rima Ras: rима@hcst.gov.jo , rasha.s@hcst.gov.jo**

Characteristics of the funding provided by CDTI to the Spanish companies involved in international projects (JORDESP or PRIMA-S2) and for HCST-IRDF for Jordanian entities in JORDESP

Funding for the Spanish companies (provided by CDTI)

- ✓ The final beneficiary has to be one or several Private companies. Universities and Research Centers can participate subcontracted by the Spanish company.
- ✓ Min budget required to the Spanish Company: **175,000 €**.
- ✓ Available tax exemption document related to R&D costs.
- ✓ Staff, materials, outsourcing, overheads are costs accepted.

✓ **Funding:**

- CDTI can provide funding up to 85% of the Spanish company budget.
- 25 % of the Spanish company budget would be given as a grant.
- The rest of the CDTI funding would be a loan 0% rate interest, 3 years after the end of the project to start refunding and 7 more to end it.

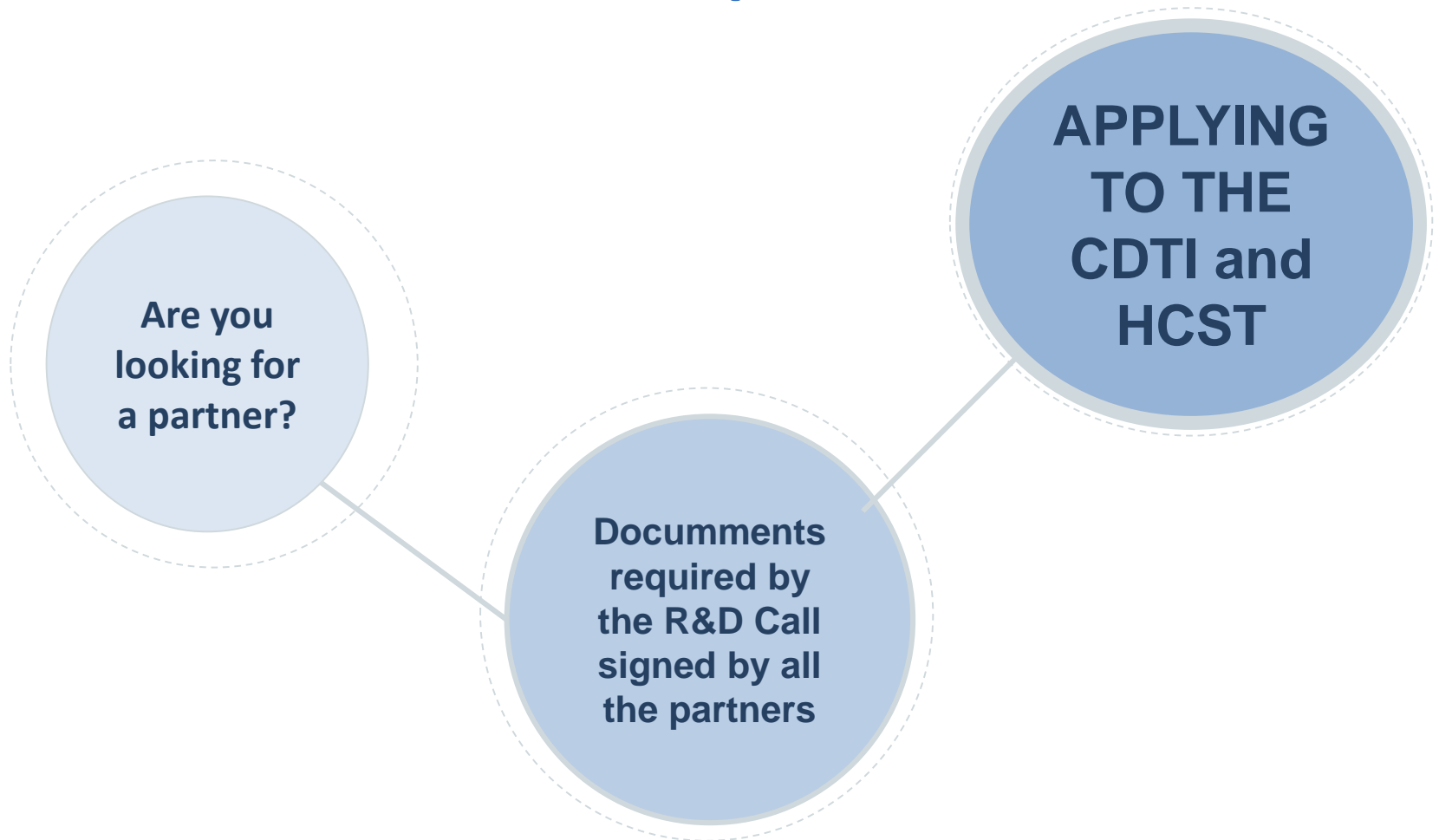
Funding for Jordanian partners (provided by HCST-IRDF)

- ✓ the final beneficiary has to be one or several industrial companies.
- ✓ Min budget required to the Jordanian partners: **75,000 €**.
- ✓ Membership Certificate in Jordanian Chambers of Industry should be provided.
- ✓ Tests, remuneration, consumables, transportation are costs accepted.
- ✓ For international travel it should be justified.

✓ **Funding:**

- IRDF will provide funding up to **JD30000 = 37000 €** of the joint project budget.
- The approved budget would be given as a grant.
- The rest of the project funding would be provided by the Jordanian partners.

Common procedure



JORDESP APPLICATION FORM

Jordan-Spain Innovation Programme

1. General Information

1.1 Acronym	
1.2 Title	
1.3 Summary (Max. 250 – 300 words)	
1.4. Proposal Thematic Area	

1.5 Budget and Duration		1 st Year		2 nd Year		3 rd Year (if applicable)		TOTAL	
		Duration (nº months):							
Start Date:									
		Spain €	Jordan JOD	Spain €	Jordan JOD	Spain €	Jordan JOD	Spain €	Jordan JOD
Budget (€/JOD)	IRDF- HCST/CDTI Contribution								
	Co-applicants Contribution								
	Others, if any								
	Subtotal								
	Subtotal (%)								
	Total								

1.5^a Budgetary details in respect of Spanish company (€)-minimum CDTI fundable

budget per Spanish company will be **175,000 €**.

Budget head	1 st Year (€)	2 nd Year (€)	3 rd Year (€) (if applicable)	TOTAL (€)
Amortization of capital assets (tangible and intangible)				
Material cost				
Manpower				
Outsourced technical collaborations				
Overheads (indirect costs)				
Audit cost				

1.5 ^a Budgetary details in respect of Jordanian Partners (JOD) (Maximum HCST-IRDF fundable budget per Jordanian project will be 30,000 JOD. Budget head	1 st Year (JOD)	2 nd Year (JOD)	3 rd Year (JOD) (if applicable)	TOTAL (JOD)
Recurring				

a) Researcher remuneration				
b) Human resources				
c) Technological services				
d) New Appliances ** ** IRDF does not buy equipment				
e) Consumables				
f) Transportation (Local is OK, if abroad; IRDF approval is needed)				

Budget break down should be attached (02/02/2019)

1.5 Budgetary details in respect of Jordanian Partners (JOD) (Jordanian partners contribution to accomplish the 70/30 budget rule)

Budget head	1 st Year (JOD)	2 nd Year (JOD)	3 rd Year (JOD) (if applicable)	TOTAL (JOD)
Non-recurring				
Equipment				
Recurring				
a. Human resources				
b. Consumables				
c. Travel				
d. Contingency				
e. other costs				

1.6 <u>Members contribution</u>	Name of the entity/ company	€	JOD
Total contribution (%) (Limit 70%-30% participation per country) respectively borne by the Spanish and Jordanian. The percentage will be calculated in the same currency			

Note: Add charts if necessary

2. Project Outline

2.1 Description (no more than 2 pages)

Joint abstract: it should describe the proposed research, objectives, methodology, expected outcomes and economic potentials impact

Statement of the degree of collaboration and the role of each PI: Describe the nature of cooperation and the actual role of each PI in the implementation of the projects. It is worth to highlight why such cooperation is important for both countries and responsibilities of both partners

Problem Definition: Describe the problem you are going to tackle in the project, and explain how the proposed concept meets the up-to-date requirements to improve performing of your institution

2.2 Innovation highlights (State of the Art / Progress beyond state of the art)

State-of-the-Art: Describe the state-of-the-art in the project subject matter. Also, describe any previous achievements or pilot studies which have been conducted by you (your team) within the project subject matter. It is worth mentioning your relevant international publications, patents and former research grants in the project subject matter in this section of the proposal

Objectives: Briefly and succinctly state your project's main and specific objective.

2.3 Technological Development Envisaged

Approach and Methodology: Describes how your project will be implemented, including your general scientific approach (Plan of work), activities, methods, and project inputs. Specify the methods only to the extent needed to give a general idea of the tasks to be conducted and the findings it will yield.

2.5 Milestones / Timeline and Gantt Chart / Diagram - project schedule and work breakdown structure of the project into working packages

3. Participant Data

3.1 Main Participant

Full Name	
Organization Address	Telephone number
	Fax number
Contact person data	Function
	E-mail
Activity	

3.2 Other Participant

Full Name	
Organization Address	Telephone number
	Fax number
Contact person data	Function
	E-mail
Activity	

3.3 Other Participant

Full Name	
Organization Address	Telephone number
	Fax number
Contact person data	Function
	E-mail
Activity	

4. Contribution to the project

Name of the participants and a brief description of their activities in the project

Spanish participants	
Jordanian participants	



5. Expertise of the participants

Name of the participants and a brief description of their experiences in relation to the project	
Spanish participants	
Jordanian participants	

6. Consortium Agreement

Indicate if the Consortium has signed any Memorandum of understanding or any other consortia agreement and mention the signed date if it is the case.

7. Signature

This document must be sealed and signed by all co-applicants.

CDTI can help you (Jordanian entity) to find a Spanish partner

Are you looking for a partner?

PRE- PROPOSAL TEMPLATE

Please, give a brief explanation (no more than one page)

- Company profile and main activities
- What you offer: Technological strengths
- What you need: Technological requirements
- Project idea

4,000 Spanish entities receive this Newsletter every month

NEWSLETTER CDTI



CDTI found the Spanish companies involved in the 2 projects submitted to the JORDESP 2018 Call and eased relationships in other proposals not finally submitted

Document to spread among Spanish companies



Search for a Spanish Partner for a Bilateral R&D Project (this document will be shared with potential Spanish companies)

Organization	
Date of Request:	
Company name:	
Contact person and title/designation:	
E-mail:	
Phone number:	
Mobile number:	
Website:	

SECTION 1: Your Company Profile

(Please give brief / to the point explanations. For more explanation on any point below, you may add a short paragraph as an annexure, with this document.)

Business Sector	
Company mission or core functions	
Date of establishment	
Ownership (if public and traded, add stock exchange and ticker symbol)	
Total number of employees	
Number of employees in R&D	
Key products sold or services provided	
Company core technical competences	
Key R&D programs and activities	
Examples of accomplishments	
Company strategic orientation	



SECTION 2: Partner of Interest

(Please provide a brief summary of the prospective partner company or organization. This summary may address some or all of the points below)

Profile of ideal technology partner	
Core technological competencies and expertise	
Other essential qualifications (e.g.: ownership, track records etc.)	
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	
If you are interested in collaboration; please specify details and other important information you want to share with a potential company	
Interested areas of collaboration	
Specific R&D contribution you are seeking/offering	

Signature
 Name:
 Date:

Please complete this form and send it to: rasa.s@hcst.gov.jo

Jordan in the North Africa & Middle East Innovation Times

<http://perspectivacdti.es/secciones/accion-exterior/>

JORDANIA

JO 8 de Dic. 2018, Amán

MERCY CORPS Y IPARK LANZAN LA INCUBADORA DE EMPRESAS SOCIALES 'GENERATION IMPACT'

La incubadora ayuda a empresas a construir una red de apoyo al crecimiento

Mercy Corps y el centro tecnológico IPARK lanzaron el 8 de diciembre "Generation Impact", una incubadora de negocios sociales para startups y PYMES en Jordania.

La incubadora proporcionará a estas empresas una plataforma para ayudarles a construir una red de apoyo al crecimiento, que será vital para su éxito, según los fundadores. Financiados por el brazo operativo de Google, la nueva incubadora les permite a los participantes generar soluciones innovadoras para desafíos críticos locales y globales al tiempo que crean oportunidades de empleo para los jóvenes.

"Se pueden encontrar muchas iniciativas en Jordania que se centran en un determinado sector técnico, pero lo que no encontramos hasta ahora es una incubadora social centrada en el impacto que tienen las empresas en la sociedad", dijo el gerente de programas de Mercy Corps, Khalael Nejar.



Mercy Corps y el equipo de incubación de 'Generation Impact' del centro tecnológico IPARK durante el lanzamiento de la incubadora el 8 de diciembre. Fuente: Página web The Jordan Times.

Durante la ceremonia de inauguración, el Director de Mercy Corps, Hunter Kniff, expresó la voluntad de la organización de apoyar el creciente sector de plataformas digitales en Jordania. Por su parte, el presidente ejecutivo de IPARK, Omar Hamarneh, dijo que el 80% de las empresas incubadas por el centro desde 2003 siguen en los negocios en la actualidad. "Las startups deben conectarse y apoyarse mutuamente para seguir creciendo en una economía sostenible", concluyó. [Más información.](#)

JO 13 de Diciembre 2018, Amán, Jordania

JORDANIA PRETENDE QUE LAS ENERGÍAS RENOVABLES CONTRIBUYAN CON UN 20 % DE LAS NECESIDADES ENERGÉTICAS

La energía renovable aportará más del 30 % de la combinación total de energía del país en 2020, dijo la Ministra de Energía y Recursos Minerales de Jordania, Hala Zawati.

La generación de energía solar y eólica ha aumentado del 2% al 10% de la energía generada por el país desde 2014, dijo la Ministra durante la apertura de la cuarta Conferencia Internacional de Energía de Jordania, y señaló que la tasa alcanzará el 16% para finales de 2019. Zawati también expresó su esperanza de que la utilización de los residuos para generar energía pronto forme parte de la combinación energética de Jordania.

El plan de energía renovable es parte del trabajo en curso para actualizar la Estrategia Nacional de Energía 2030, que se lanzó durante la segunda mitad de 2018 y cuya estrategia se basa en cuatro pilares clave: seguridad energética, aumento de la autosuficiencia, diversificando las fuentes de energía y reduciendo los costos.



La generación de energía solar y eólica ha aumentado del 2% al 10% de la energía generada en Jordania desde 2014. La Ministra Hala Zawati durante su discurso en la cuarta Conferencia Internacional de Energía de Jordania. Fuente: Página Web Aljazeera Baitany y Twitter (@HalaZawati)

El evento, que se celebró el 10 y 11 de diciembre en Amán, tuvo como objetivo discutir documentos de trabajo relacionados con los últimos desarrollos en el sector energético de Jordania, los retos y las oportunidades de inversión, así como las posibles soluciones para abordar los desafíos relevantes en los sectores del agua, el transporte y la infraestructura.

Además de la energía renovable, cuatro empresas están estudiando la extracción y destilación de petróleo de esquisto para producir petróleo en el país, una de las cuales se encuentra en la fase de financiación para producir 25.000 barriles de diesel y gasolina por día, agregó.

Zawati dio la bienvenida a las empresas internacionales que asistieron a la cuarta conferencia para invertir en seis áreas del país para explorar el petróleo y el gas.

También se refirió a los esfuerzos dirigidos a explorar el petróleo, el esquisto bituminoso y el gas en Jordania, así como los esfuerzos para aumentar las tasas de producción en los campos de Hanza y Reihab.

Para enfrentar los desafíos energéticos en Jordania, Zawati agregó que se están realizando esfuerzos para atraer proyectos para almacenar energía, expresando la esperanza de que el primer esquema comience a funcionar antes de finales de 2019. La ministra jordana Hala Zawati también señaló que los planes para explotar las reservas de Majab, King Talal y Wadi Al Arab para el almacenamiento de energía están siendo estudiados actualmente por el Ministerio de Energía. Se espera que las ofertas por el interés en tales proyectos se presenten en la primera mitad de 2019, señaló. [Más información.](#)

Expresiones de Interés de entidades jordanas			
ENTIDAD	SECTOR	PERFIL DEL PROYECTO	SOCIO BUSCADO
University of Jordan marwan.al.khalaf@uoi.edu.jo	Biotoma de algas (Alimento, cosmética, bio-combustible)	Cepas locales de algas para la producción potencial de productos bioactivos con valor para farmacéutico, industrial y producción de bio-combustibles.	Empresa I + D en biotecnología de algas (bioreactores, bioprocesos y catálisis química)
Al Balqa Applied University masaf@abau.edu.jo	Agricultura, medicina, medio ambiente	Plantas medicinales para la producción de biofertilizantes y la creación de una economía verde y una cadena sostenible	Producción de biofertilizantes y producción biogás, contaminación ambiental, plantas medicinales, coproductos ecológicos
Salem Chemical Industries Ltd sales@scil.com.jo	Industria química y biotecnología	Una nueva vía para producir vitamina A natural de las microalgas que vive en el Mar Muerto.	I+D en industria química y biotecnológica
Environmental Lab. for Microbiological & Chemical Analysis lab@centro-ib.com.jo	Agua, alimentación	Desarrollo de métodos para pruebas y preparación de muestras de productos alimenticios árabes tradicionales	Empresa que tenga laboratorios propios para desarrollo de productos o para el sector textil
Al Balqa Applied University masaf@abau.edu.jo	Energía	Eficiencia energética en edificios con integración fotovoltaica	Energía renovable, IED, Monturización
Packaging Industries Company info@pic.com.jo	Industria química (plásticos)	Productos de embalaje fáciles que respeten el medio ambiente	Proveedor de know-how técnico, Investigación, Mejora de procesos, Reciclaje de materiales
Philadelpia University Dr. Alan Amour Shafi shafi@phila.edu.jo	Arquitectura sostenible	Green Building (diseño de pasiva, edificios eco-diseño, etc)	Tecnología de ahorro energético, asesoramiento y utilización de las naturas aplicables a edificios ecoeficientes
Scientific Food Center http://www.sfc-center.com/	Alimentación, agricultura, procesamiento de alimentos, nutrición, medio ambiente o salud	Trabajar en las tendencias agroalimentarias que van desde el campo a la mesa	Alimentación
Solar Plexus Inc marwan@solartek.com.jo	Energía solar	Desarrollo de elementos de Estructura sin agua de paneles solares, desarrollando una patente estándar	Fabricante de películas transparentes fotovoltaicas, fabricantes de Nanomaterials, Ciencia de materiales, vibraciones y energía solar
Philadelpia University Dr. Mohammad Yousef myousef@phila.edu.jo	Medio ambiente (residuos sólidos)	Análisis y diseño avanzado de una herramienta de toma de decisiones, construcción de una instalación de recogida de residuos y monitorización para alimentar al sistema multi-criterio desarrollado	Recogida conectada de residuos y las capacidades técnicas para el desarrollo de las herramientas informáticas objeto del proyecto

Próximos eventos

- JORDANIA**
Jordan International DOWNSTREAM SUMMIT. Del 15 al 16 de Enero, Amán.
- ARGELIA**
SIPHAL Pharmacy and Parapharmacy Exhibition. Del 30 de Enero al 2 de Febrero, Argel.
- LIBANO**
PAPER ONE Show Beirut. Del 25 al 30 de Enero, Beirut.
- MARRUECOS**
MAROC STONE Marble & Natural Stone Fair. Del 21 al 23 de Febrero, Casablanca.
- QATAR**
IoT Technologies EXPO QATAR. Del 26 al 27 de Febrero, Doha.
- EGIPTO**
SOLAIRE EXPO MAROC Exhibition of Solar Energy & Energy Efficiency. Del 26 al 28 de Febrero, Casablanca.
- TUNEZ**
SALON DE L'ENTREPRENEURAT Professional Fair of Entrepreneurship. Del 12 al 14 de Febrero, Túnez.
- EGIPTO**
PLASTEX EXHIBITION for Plastics, Chemicals and Rubber. Del 9 al 12 de Enero, El Cairo.
- EGIPTO**
EGYPT Egypt Petroleum Show. Del 11 al 13 de Febrero, El Cairo.
- LIBANO**
ARAB WATER WEEK Sustainable Development in Water and Sanitation. Del 3 al 7 de Marzo, Madaba.
- LIBANO**
Paper One Show Beirut. Del 25 al 30 de Enero, Beirut.
- QATAR**
IoT Technologies EXPO QATAR. Del 26 al 27 de Febrero, Doha.
- EAU**
WFPS WATER Water Sustainability in arid regions Summit. Del 14 al 17 de Enero, Abu Dabi.
- EAU**
WORLD FUTURE ENERGY SUMMIT Renewable Energy and Environment Industry. Del 14 al 17 de Enero, Abu Dabi.
- ARABIA SAUDI**
SAUDI PLASTICS & PETROCHEM Arabia. Del 27 al 30 de Enero, Dammam.
- ARABIA SAUDI**
AUTOMECHANIKA JEDDAH Automotive Industry. Del 26 al 28 de Febrero, Yeda.



THANKS!

@CDTIoficial



www.cdti.es

www.hcst.gov.jo