

Intro to the EU-Japan Technology Transfer Helpdesk

April 12th, 2019

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1. The EU-Japan Technology Transfer Helpdesk

- ▶ The service, initiated in March 2016, aims at supporting European, and Japanese companies, universities, research centres, and individuals in their steps to search for technologies and understand the mechanics of tech transfer transactions, as well as bridging the knowledge gap on current available technologies from both Japan and Europe.
- ▶ The service is supported by a website <http://www.eu-jp-tthelpdesk.eu> which provides general information on intellectual property rights, technology transfer, and other related topics between Europe and Japan.

Selected Services

Selected services (online and offline) provided free of charge by the EU-Japan Technology Transfer Helpdesk are

- ▶ **Technology database**
- ▶ **Enhanced search features for (selected) technologies**
- ▶ **Database of partner IP firms and related materials**
- ▶ **Webinars/podcasts, and the online library**
- ▶ **Requests for proposal from European and Japanese companies**

EU-JAPAN Technology Transfer Helpdesk web page

EU-JAPAN
TECHNOLOGY TRANSFER HELPDESK

ABOUT TECHNOLOGIES PARTNERS LIBRARY NEWS & EVENTS CONTACTS SUBSCRIBE |

Do not miss our podcasts!

Find TECHNOLOGIES that are available for
LICENSING or other BUSINESS opportunities

Type your keywords **GO**

ADVANCED SEARCH

popular searches: security, nano-alloy, high piers

Check our tech requests from industry

Check how our technologies look like

Do you want to post your technology?

Do you have any questions about IPRs?

Requests for proposals **Show me!** **Submit** **Ask the expert**

2. Available Technologies

- ▶ Each university, research centre, and research spin-off have, free of charge, an individual section of the website where they can upload technologies together with their descriptions, media files, etc.

The screenshot displays the EU-JAPAN Technology Transfer Helpdesk website. The header features the EU-JAPAN logo and navigation links: ABOUT, TECHNOLOGIES, PARTNERS, LIBRARY, NEWS & EVENTS, CONTACTS, and SUBSCRIBE. A search icon is also present.


The main content area highlights the Okinawa Institute of Science and Technology (OIST). It includes the OIST logo and a description: "The Okinawa Institute of Science and Technology is an interdisciplinary graduate school offering a 5-year PhD program in Science. Over half of the faculty and students are recruited from outside Japan, and all education and research is conducted entirely in English." A "CONTACT" button is visible.

Below the OIST profile, there is a map of Okinawa, Japan, showing the location of OIST. The map includes labels for "Air Self Defense Force", "Onn", "Rizsan Sea Park", "Hotel Tancha Bay", "Golf Course", and "POM Golf Course".

To the right of the map, the "Available Technologies" section is displayed. It features a list of icons representing various technologies: a computer monitor, a smartphone, a person, a gear, a heart, and a magnifying glass. Below the icons, the text "2D FFT with Simultaneous Edge Artifact Removal" is shown, followed by a "details »" button.


At the bottom of the page, the "TRL: 4" (Technology Readiness Level) is indicated, along with the "Availability: Licensing" and "Status: US Application" information.

2. Available Technologies


Noble metal-free ceria-based diesel soot combustion catalyst

EU-Japan Technology Transfer Helpdesk / Technologies

[DESCRIPTION](#) | [BENEFITS](#) | [LIMITATIONS](#) | [APPLICATIONS](#) | [MATERIALS](#) | [STATUS](#) |


TECHNOLOGY DESCRIPTION

A new diesel soot combustion catalysts has been developed at the University of Alicante, which consists of high surface area ceria-praseodymia mixed oxide nanoparticles.

Description:

A catalyst active phase has been developed with the following composition $\text{CeO}_3\text{PrO}_3\text{O}_2$


particles size smaller than 9 nm and specific surface areas higher than 90 m^2/g . The method used allows obtaining 7 nm particles with 125 m^2/g surface area.

Important scientific and technical efforts in order to develop a device for soot removal in diesel engine exhausts, because these carbon nanoparticles are responsible of severe health and environmental negative effects. These devices usually consist of a filter located at in the exhaust pipe, where soot particles are collected, and a catalysts is usually used to lower the soot combustion temperature.

One of the main handicaps of these devices is the poor contact between soot and catalysts particles, which hinders significantly the catalyst performance. Platinum catalysts are the most active ones for this application among those with high enough stability under the demanding conditions of temperature and gas composition that are faced in an exhaust pipe. Alternative catalyst active phases are being investigated in order to lower the prize and improve the activity, and ceria-based oxides are promising candidates.

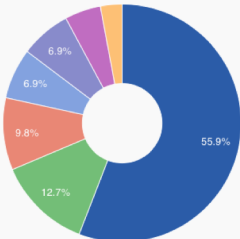
The synthesis is carried out using a reverse microemulsion and following the several steps:

1. The cerium and praseodymium precursors are dissolved in water.
2. An emulsion is prepared with the previous water solution.
3. Another alkali emulsion is prepared.
4. Both emulsions are mixed.
5. The solid obtained is separated by centrifugation.
6. The solid is calcined at $T > 400^\circ\text{C}$.




Readiness Level (TRL)
4

TECHNOLOGY VALIDATED IN LAB
"the noble high surface area ceria-praseodymia catalysts have been tested at laboratory both as powder and supported on silicon carbide diesel particulate filters under simulated diesel exhausts (with nox, o₂, h₂o, co₂ y n₂)."
(The pie chart refers to the entire portfolio contained in the database of the helpdesk)



Category	Percentage
Category 1 (Dark Blue)	55.9%
Category 2 (Green)	12.7%
Category 3 (Red)	9.8%
Category 4 (Light Blue)	6.9%
Category 5 (Purple)	6.9%
Category 6 (Orange)	6.9%



► Each institutional profile profile can contain several technologies with attachments in any format.

► If there is already a searchable DB, the Helpdesk can link its search to the existing DB without the need of additional uploads. More visibility, no extra time needed.

2. Available Technologies

► Submitting a technology takes about 5 minutes on the website. There is a video tutorial to better understand the submission procedure.

Technology Submission

Please note that only universities, and research centers from the EU and Japan can post a technology

Title*

Technology description*

If you need help filling out this form, check out our video tutorial!



or

[CONTACT US](#)

► The Helpdesk performs formal content checks on submissions received, and the new technology is normally published on the website a couple of days from the submission.

Search for technologies and patent documents

Easy search by: Keyword, TRL(technology readiness level),and Technology area

Find TECHNOLOGIES that are available for LICENSING
or other BUSINESS opportunities

Type your keywords

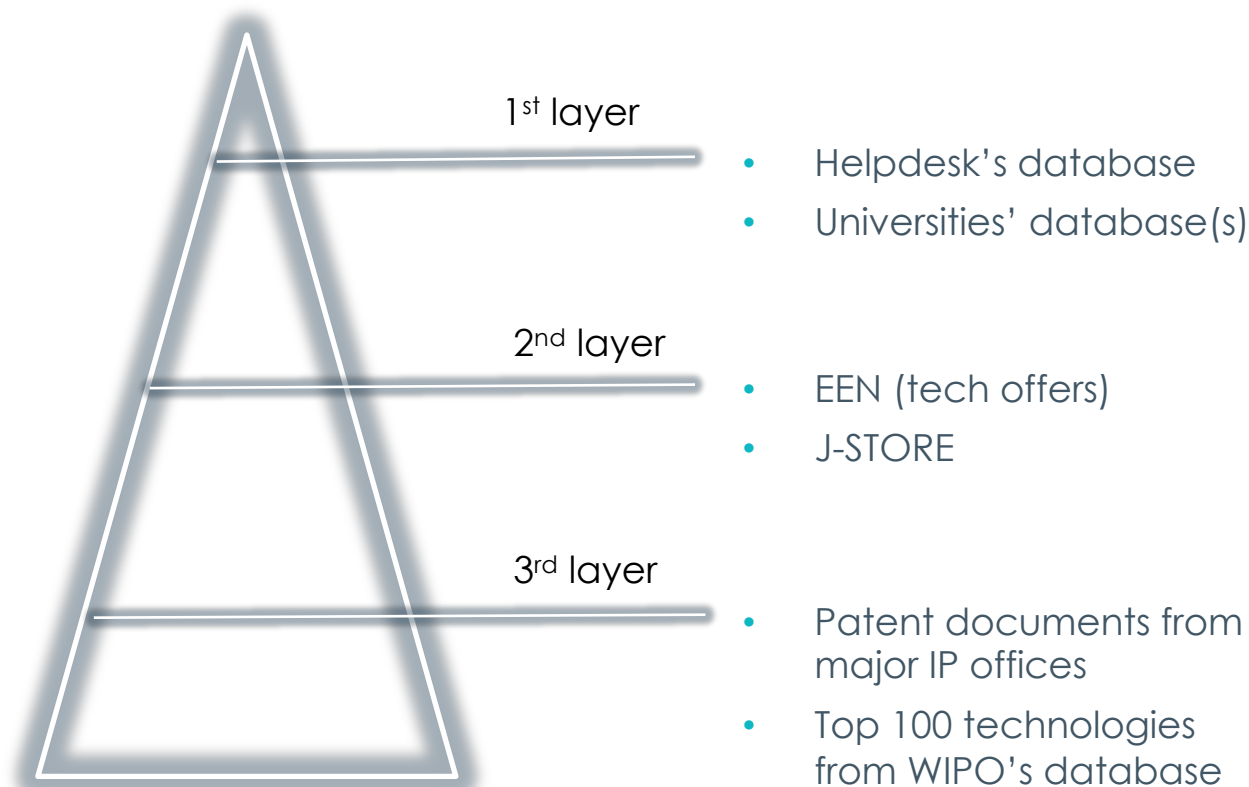


GO

filter by TRL: 1 2 3 4 5 6 7 8 9

filter by AREA:       


Results Breakdown




Results Breakdown

YOU SEARCHED FOR TECHNOLOGIES CONTAINING THE
KEYWORD(S) " FIBER "


type your keywords **SEARCH**




Helpdesk's database
Found **13** technologies matching your query



Latest technologies
Last 100 patented or patent pending technologies matching your query



Show the results
EEN and J-Store
Found **24** technologies matching your query



Patent documents
There are **1555778** patent documents matching your query

Results Breakdown

In this section you can find technologies directly posted by the tech holders or links to their databases

Please note that search queries made by using the TRL or the Technology Area are related to the Helpdesk's database only.

Apparatus and process for the preparation of a biomimetic tissue prosthesis of the tympanic membrane



details »

managed by *UVaR - Toscana Life Sciences*

TRL: 4 ?

Availability: other ⓘ

Status: PCT Application

Optical Diode



details »

managed by *TU Wien (Vienna University of Technology)*

TRL: 4 ?

Availability: Licensing

Status: PCT Application

Method for recycling of vessels and other structures composed of fiberglass and resin



details »

managed by *University of Alicante*

Low cost sensors for the detection of gaseous hydrogen



details »

managed by *University of Alicante*

Results Breakdown

Showing 100 patents

ENVIRONMENT-FRIENDLY WATER ABSORBING BOARD, AND METHOD AND APPARATUS SYSTEM FOR PREPARING SAME

[SHOW](#)

Applicants: SHENZHEN ESEOE TECHNOLOGY CO., LIMITED;深圳怡荣盛科技有限公司;

Inventors: NIE, Yicai;聂怡财

TUNABLE AND SCALABLE SYNTHESIS OF HIERARCHICAL POROUS NANOCARBON/SULFUR COMPOSITE CATHODES

[SHOW](#)

Applicants: THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY;

Inventors: KIM, Jang-Kyo;XU, Zhenglong;HUANG, Jianqiu;CHONG, Woon Gie;QIN, Xianying;WANG, Xiangyu

TRANSCIEIVING DEVICE UTILIZED IN SCAN LASER RADAR

[SHOW](#)

Applicants: HANGZHOU OLE-SYSTEMS CO., LTD.;杭州欧镭激光技术有限公司;

Inventors: ZHU, Yaping;朱亚平;ZHANG, Ou;张瓯

Results Breakdown

In this section you can find patent documents matching your query

1555778

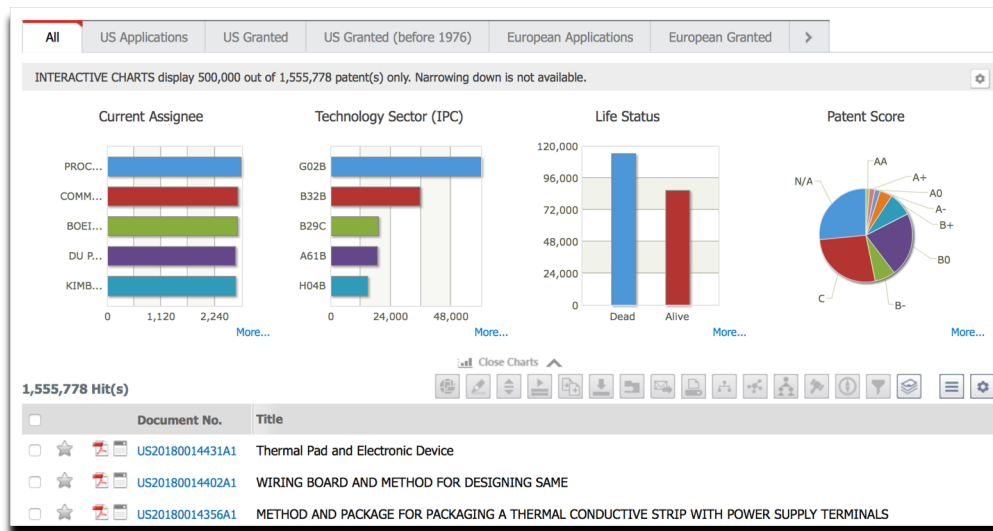
patent documents worldwide

SHOW ME

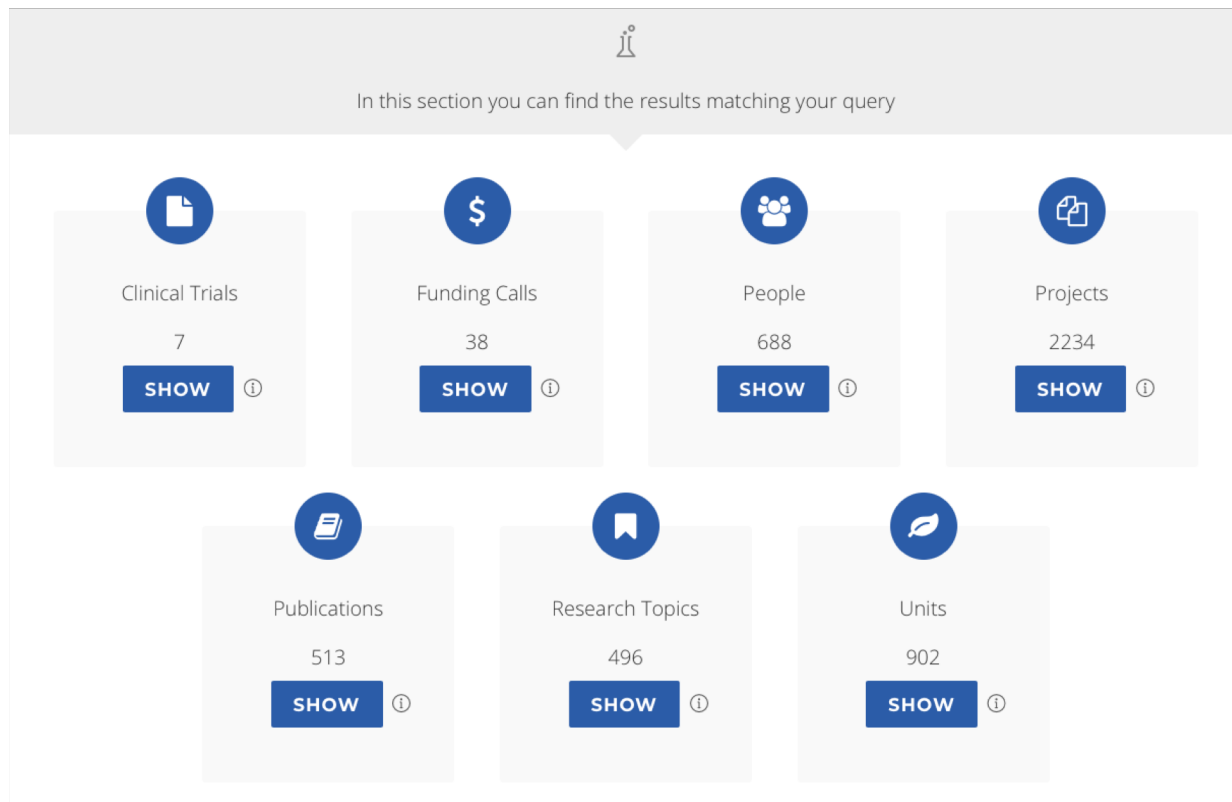


- The visualisation of the results is highly customizable and gives full access to the patent documents

- Database with more than 90M patent documents



Research-related data



More than 50,000 scientific research groups are easily discoverable based on their mission, current research activities, and past achievements.

3. Requests for proposal for researchers and SMEs

- New section of the website since January 2018
- Following a positive response in 2017, the Helpdesk has formalised the creation of a specific section on the website dedicated to Requests for Proposal coming from industry

Requests for proposals

Check our tech requests from industry

EU-Japan Technology Transfer Helpdesk / Library / Category: Requests for proposals

Request for proposals in the data logger distribution

Opportunity for collaboration in the data logger distribution. A large Japanese manufacturing company is currently seeking for data logger distribution companies, startups, universities and research centres to collaborate in the... [read more](#) →

JANUARY 3, 2018 | REQUESTS FOR PROPOSALS

Request for proposals in the intelligent transportation system

Opportunity for collaboration in the intelligent transportation system. A large Japanese manufacturing company is currently seeking for companies, startups, universities, and research centres that have expertise in wireless data logging... [read more](#) →

JANUARY 3, 2018 | REQUESTS FOR PROPOSALS

Join TaNeDS Global 2019
Learn more about Daiichi Sankyo's open competition grant program

Daiichi Sankyo (TaNeDS Global 2019) – Exp. Feb 15, 2019

Join TaNeDS Global 2019 Learn more about Daiichi Sankyo's open competition grant program. What is TaNeDS? TaNeDS (Take a New Challenge for Drug discovery) program provides close partnership between you... [read more](#) →

OCTOBER 2, 2018 | NEWS, REQUESTS FOR PROPOSALS

Superior Therapeutic Profiles: CriPec® Nanomedicines

Cristal Therapeutics CriPec® Oligonucleotides

Cristal Therapeutics is a clinical stage biopharmaceutical company developing tissue- targeted nanomedicines based on its proprietary CriPec® polymeric nanoparticle technology platform for the treatment of cancer and other diseases with... [read more](#) →

OCTOBER 1, 2018 | NEWS, REQUESTS FOR PROPOSALS

3. Requests for proposal for researchers and startups

- New opportunity for organisations interested in being helped by and collaborate with startups/spinoffs, universities and research centres
- Organizations can decide whether to remain anonymous or disclose their name publicly.



The image shows a document titled "Request for Proposal" from the EU-JAPAN Technology Transfer Helpdesk. The document is set against a background of a blue circuit board. The header includes the EU-JAPAN logo and the website address www.eu-jp-tthelpdesk.eu. The main text describes an opportunity for collaboration in the data logger distribution sector, seeking companies, startups, universities, and research centres. It lists target fields such as outdoor and indoor air monitoring, intelligent transport container monitoring, and agriculture monitoring. Evaluation criteria include a summary of current data loggers, distribution channels, services, funding, and IP status. Finally, it lists what proposals should include, such as an overview of the company, existing distribution channels, and business expansion plans.

Request for Proposal

Request for Proposal
Opportunity for collaboration in the data logger distribution. A large Japanese manufacturing company is currently seeking for data logger distribution companies, startups, universities and research centres to collaborate in the data logger distribution and future potential development of new data loggers. The partnership includes collaborative research/development, out-licensing of asset or technology and possible funding opportunity depending on the terms

Target Fields

- Outdoor air monitoring system
- Indoor air monitoring system
- Intelligent transport container monitoring system
- Agriculture monitoring system

Evaluation criteria

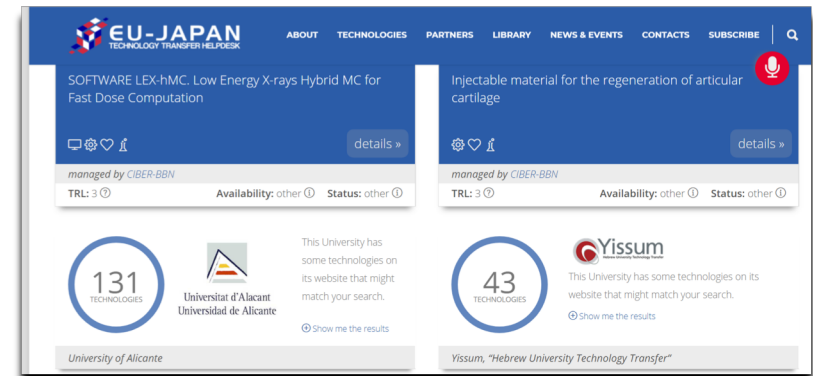
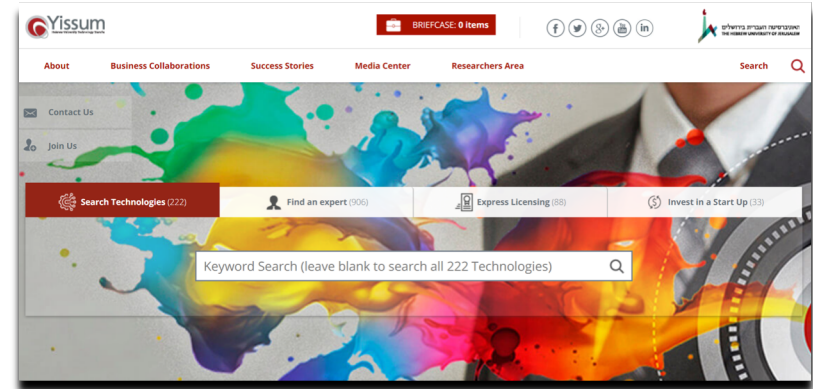
- Summary of types of data loggers you are currently handling including monitoring sensing mechanism
- Summary of existing distribution channels in Europe and outside Europe (if any)
- Summary of services you provide except for distribution, such as calibration, etc
- Necessity of fund (if any) and its backgrounds
- Summary of other collaboration ide (if any)
- IP status (if any)

Proposals should include

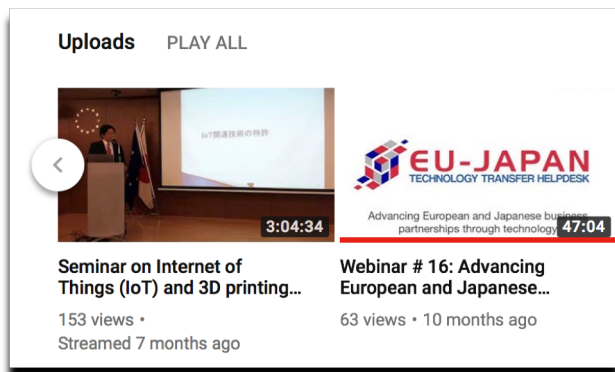
- Overview of the company and profile of the key person
- Existing distribution channel
- Business expansion plan (if available)
- Desired collaboration type (if any)

4. Latest Collaborations

► In October 2018 The EU-Japan Technology Transfer Helpdesk started a collaboration with Yisum, the Technology Transfer Company of The Hebrew University an agreement with Yisum, The Technology Transfer Company of The Hebrew University of Jerusalem that will allow users of the Helpdesk's platform to have direct access to Yisum's database of available technologies.



5. Webinars – Seminars - Podcasts



► Webinars & Seminars

Almost every month a webinar and/or a seminar (in Tokyo) is organised with the help of a vast network of experts that are interested in making the Helpdesk a real reference for those in this field



► Podcasts

The Helpdesk features a section dedicated to podcasts, which is available to everyone, free of charge

Reportages- Factsheets - Presentations and Reports

Reportages

- ▶ On the latest tech conferences and events offering our readers a window to first-class events in Japan

Factsheets

- ▶ We offer useful factsheets covering IP, tech transfer and innovation-related topics for universities, research centres, SMEs, etc.



Reportage – Tech in Asia Tokyo 2018

Tech in Asia's conferences were conceived in 2012 to connect the tech startup ecosystem in an offline setting, as an extension of our mission to build and serve the region's... [read more →](#)

OCTOBER 2, 2018 | EVENTS, NEWS

Presentations and Reports

- ▶ Latest articles and presentations offer a wealth of knowledge about IP and technology transfer



6. IPR Support Programme

- ▶ From September 2018 we have been offering the *pro bono* **IPR Support Programme** in cooperation with Sonoda & Kobayashi IP Law
- ▶ The IPR Support Program aims at helping inventors, entrepreneurs and start-ups in protecting their inventions by providing advice on IP rights
- ▶ Our Programme offers a complimentary and confidential 30-minute consultation on intellectual property rights (online or at Sonoda & Kobayashi IP Law's office in Tokyo), during which our clients will get the opportunity to explain their business situation and potential inventions to one of Sonoda & Kobayashi's experienced patent attorneys and receive an individually tailored advice on further steps on the protection of their rights

EU-JAPAN NEWS

OCTOBER 2018 | 3 VOL 16

Do you have any questions
about IPRs?

Ask the expert



7. Social Media Networks

► Active on a daily basis on social media platforms: Facebook, Twitter and LinkedIn by sharing daily updates of the activities of the Helpdesk such as new services, upcoming webinars, webcasts, workshops, calls for cooperation and informing our followers on IPRs and innovation-related events in Europe and Japan



9. Getting in touch with the Helpdesk

- ▶ **Project Manager:** Luca Escoffier



- ▶ **E-mail:** Luca.escoffier@eu-japan.gr.jp
- ▶ **Helpdesk's website:** www.eu-jp-tthelpdesk.eu
- ▶ **Address:** 1-27-6, Shirokane, 1 Chome-27 Shirokane, Minato-ku, Tōkyō

