

Photonics Based Sensing ERA-NET Cofund

Guide for Proposers



PHOTONIC
SENSING

September 2016



Innovate UK



Regione Toscana



PHOTONICS²¹
PHOTONICS PUBLIC PRIVATE PARTNERSHIP



1. General Information	3
2. Objectives	4
3. Scope	5
3.1 Safety including food safety	5
3.2 Civil security	6
3.3 Manufacturing / production	6
3.4 Environmental Monitoring	6
3.5 Medical Applications	7
4. General rules of participation	8
4.1 General Participation	8
4.2 Participants from other Member States and Associated Countries	8
4.3 Applications	8
5. Process	10
5.1 Stage 1 Pre-Proposal	10
5.2 Stage 2 Full Proposal	10
5.3 Selection	11
6. Further arrangements	12
7. Key Dates	13
8. Appendix: National and Regional Eligibility Rules and Contact Information	14

1. General Information



PhotonicSensing is a transnational call for research and development (R&D) project proposals which contribute to the fast development and implementation of photonics based sensing technologies and therefore further improve the European market share in this domain. The call is organised as a competition for funding and will be implemented jointly by the national and regional funding bodies (see appendix) from the participating countries and regions.

The competition is open to R&D project consortia consisting of a minimum of two separate legal partners from at least two different participating countries and/or regions as follows:

- Austria
- Flanders Region (Belgium)
- Germany
- Israel
- Poland
- Portugal
- Turkey
- Tuscany Region (Italy) and
- United Kingdom

In addition, entities from other Member States or Associated States may participate in the R&D projects. To be selected for funding, projects must be collaborative, application-oriented and pre-competitive. It is expected to fund a mixture of small and large projects, with total costs typically in the range of €0.5m to €4m.

For the implementation of the call a two-stage procedure will be applied. The deadline for the online submission of stage 1 pre-proposals is 5 December 2016 (17:00 CET). The deadline for the online submission of stage 2 full proposals is 29 March 2017 (17:00 CET). The submission of a stage 2 full proposal is only valid after the previous submission of a stage 1 pre-proposal. All proposals must be submitted online via the online submission tool accessible via the PhotonicSensing website at <http://www.photonicsensing.eu>.

PhotonicSensing is supported and co-funded by the European Commission, Directorate-General Communications Networks, Content and Technology (DG CONNECT) under the ERA-NET Cofund scheme.

2. Objectives

The main objective of the PhotonicSensing transnational call for R&D project proposals is to contribute to the fast development and implementation of photonics based sensing technologies. The transnational projects are expected to perceptibly contribute to increase the health and well-being of the European citizens as well as to improve the global market share of the European photonics industry in this domain.

To this end, up to 18 million EUR public grants in total will be awarded to innovative R&D project proposals under this competition. PhotonicSensing consolidates public funding activities in the participating countries and regions and supports the best possible exploitation of R&D resources. The competition is expected to provide a strong incentive for European companies to cooperate in strategic research; this is a unique opportunity for them to benefit from a more efficient use of their R&D resources and from comprehensive expertise made available by a variety of research institutes.

The most relevant sensing technologies with the highest impact on the human life relate to the following five application areas:

- Safety including food safety
- Civil security
- Manufacturing / production
- Environmental monitoring
- Medical applications

The objective of this call is therefore to strengthen the research and development of photonic techniques for the technology readiness levels (TRL) 3-6:

TRL	Description
1	basic principles observed
2	technology concept formulated
3	experimental proof of concept
4	technology validated in lab
5	technology validated in relevant environment
6	technology demonstrated in relevant environment
7	system prototype demonstration in operational environment
8	system complete and qualified
9	actual system proven in operational environment

Source: HORIZON 2020 – WORK PROGRAMME 2014-2015, General Annexes

Within the five application areas the call addresses the following objectives:

3.1 Safety including food safety

A very important use of photonic sensing which affects the daily life of all of us is in safety and in food safety. Examples include smart barcodes which change colour if the cold chain was interrupted, laser sensors which speed up Salmonella detection in food by a factor of three or more, photonic sensors to identify food fraud, multispectral machine vision systems to speed up quality control during food production or new generations of sensors which are able to detect multiple biological and chemical threats simultaneously with unprecedented performance.

The objective of R&D projects in this application area is to support the development of new sensors in the safety and food safety domain. Applicants are especially encouraged to develop photonic sensors for new application fields where so far no suitable sensing technology is available.

3.2 Civil security

Because optics and photonics are playing an increasingly important role in civil security and national defence, the European Union is at a critical juncture in maintaining technological superiority in these areas.

Therefore sensor systems are becoming the next “battleground” for dominance in intelligence, surveillance, and reconnaissance (ISR), with optics-based sensors representing a significant fraction of ISR systems. These new sensor systems can give European law enforcement forces a crucial advantage in the fight against crime and terrorism.

The objective of R&D projects in this application area is to support photonic sensing technologies for identification, anti-counterfeiting, optical detection of security features, personal protection equipment, wearable technologies as well as for protection of first responders (e.g. firefighters) from harmful environments (toxic gases, ABCR agents etc.).

3.3 Manufacturing / production

Photonic technology is a critical enabler for an extremely broad range of industrial products and services, as well as a vital tool for scientific research across many disciplines.

Production technologies include for instance mechanical engineering, additive manufacturing (e.g. printing), chemical and pharmaceutical engineering, food processing or biotechnological production. Further topics for production are automation, customization as well as green and energy efficient production technologies. However the quality of the products depends directly on the quality of the involved sensors, to guarantee that the properties and specifications of the final product will be met.

This will require new types of intelligent photonic sensing technologies. Advantages of these technologies are improved monitoring and control systems, zero-failure production even in mass customized products. These photonic sensing systems are the objective of this application area of PhotonicSensing.

3.4 Environmental Monitoring

Our society is confronted daily with a growing number of potentially hazardous chemicals in the environment. We already possess the biochemical and technical means to identify small numbers of molecules or microbes in a sample. However, all these methods are expensive and time-consuming.

Optical methods may provide breakthrough solutions for detecting and measuring a multitude of substances, overcoming the traditional, tedious chemical lab analysis. For example, it is known that measurement techniques in the mid-infrared (MIR) spectral range, known also as the fingerprinting/diagnostic region, are highly specific to individual molecules, even able to distinguish between isotopes in their atomic constituents.

Very sensitive and highly specific novel diagnostic techniques are emerging, whose performance would be much improved if operation could be extended into the infrared spectral range.

Proposals are sought for the realisation of sensing components and systems (active and passive) for a variety of environmental monitoring tasks. The proposed solutions should be capable of achieving the required specifications and displaying the specific advantages of photonics at costs being competitively viable compared to other conventional analytical methods.

3.5 Medical Applications

The health-related challenges of increasing longevity and the aging society can best be met through breakthroughs in and deployment of photonic technologies, yielding new cost-effective methods for improved diagnosis and therapy as well as structural health monitoring. Improved photonic-based medical diagnostic and analytic methods shall be developed, including multi-band (X-ray, Ultraviolet, Visible, Near/Mid/Far IR, Terahertz) approaches. These should provide more reliable and precise examinations than current 'gold standard' methods, addressing also the development of extremely low cost and/or highly miniaturized integrated devices leading to a reduced duration of the analysis. Those would be required for a wide deployment and of diagnostic devices and its application at the point of care (POC).

In addition, cross-sectoral approaches between medical and e. g. security, (food and water) safety or environmental applications may be proposed.

4.1 General Participation

The competition will be open to participants from Austria, Flanders, Germany, Israel, Tuscany, Poland, Portugal, Turkey and the UK (the participating countries and regions). Grants will be paid to the project participants solely by their responsible national or regional funding bodies.

4.2 Participants from other Member States and Associated Countries

Partners from other Member States or Associated Countries may be involved in the project; however, they will not receive any funding from the PhotonicSensing agencies or the EU Contribution. The conditions for the inclusion must be settled with the PhotonicSensing agencies (see Appendix in section 8).

4.3 Applications

In order to be considered eligible and to be admitted to the independent transnational evaluation in the second stage, applications must meet the following eligibility criteria:

- Applications must be submitted and received duly and complete in their entirety before the relevant deadline given in this call announcement.
- Applications must be written in English.
- The focus of the proposed work must be on photonic technologies.
- At least a minimum of two separately legal entities from at least two different participating countries and regions¹ have to be involved in the project².
- All R&D projects proposals need to address at least one of the following application areas:
 - Safety including food safety
 - Civil security
 - Manufacturing / production
 - Environmental monitoring
 - Medical applications

1) Participating countries and regions: Austria, Flanders, Germany, Israel, Tuscany, Poland, Portugal, Turkey and the UK

2) Applicants searching to build collaborations may visit the 'Find Partners' section of the PhotonicSensing website at <https://photonic-sensing.eu/find-partner-system>.

4. General rules of participation



- Not more than 75% of the total eligible project costs shall be incurred by any single organisation or by the organisations from a single participating country or region.
- Project duration shall be between 24 and 36 months.
- All applications must align with the technical scope defined above.
- The project results have to be exploitable in the participating countries.

In addition, the national/regional eligibility criteria which apply to the participants of a project proposal must be met. For the national/regional eligibility criteria see Appendix 'Eligible applicants'.

All R&D project proposals must be submitted online via the online submission tool by one of the project partners, acting as the project coordinator on behalf of the consortium. The online submission system is accessible via the PhotonicSensing website at <http://www.photonicsensing.eu>. Guidelines are available for download.

A two-stage application procedure is applied:

5.1 Stage 1 Pre-Proposal

Applicants (project consortia) must submit an outline proposal, using the electronic form provided in the online submission tool. Outline proposals (pre-proposals) consist of a project abstract and information on the costs, the consortium members and their roles. Estimated costs will be requested in order to plan national/regional budgetary commitments at an early stage. The individual funding requested has to be based on the relevant national/regional rules for each consortium partner.

The funding bodies will check these pre-proposals against the general as well as the national/regional eligibility criteria (see appendix) and provide feedback regarding the eligibility of the project proposal to the project coordinators.

Consortia whose pre-proposals cannot for any reason be funded by one or more of the participating countries will be warned at this early stage.

5.2 Stage 2 Full Proposal

Stage 2 full proposal will only be admissible after a positive evaluation of a stage 1 pre-proposal. Applicants (project consortia) must submit a full proposal, using the electronic form to be provided to the coordinators, once the stage 1 has been concluded. Full proposals consist of a structured description of the proposed work, including objectives, state-of-the-art technology, work plan and resources (costs projection), impact, exploitation aspects and a consortium description. Where requested, consortium members must also submit a national/regional annex relating to the eligibility criteria of their country or region of origin along with the full proposal. This will create different submission and financing situations for partners from different countries.

Evaluation

The full proposals will be evaluated in two steps:

1. Each participating country will assess those full proposals that include project partners from their country or region, performing a final check against the national/regional eligibility criteria. Non-

compliance with the eligibility criteria in the full proposal stage (stage 2) will result in the exclusion of the proposal from the competition. Notifications will be sent to the coordinators once the evaluation and selection procedure has been concluded.

2. Proposals that are accepted by the participating countries and regions will be assessed by independent international experts (evaluators) to be jointly selected by the participating funding agencies. The evaluators will assess the full proposals in strict consideration of the evaluation criteria listed below. The evaluation step 2 will result in a ranked list of the eligible R&D project proposals.

Projects will be expected to focus on critical issues in the areas defined above, explaining why they are crucial, and exactly what impact the successful completion of the project is expected. Proposals should also be explicit about the possible exploitation of the results and their future path to commercialisation. In the 2nd stage the full proposals will be judged against the following evaluation criteria³:

- excellence;
- impact;
- quality and efficiency of the implementation

Evaluation scores will be awarded for each of the three criteria. Each criterion will be scored out of 5. The threshold for individual criteria will be 3. The overall threshold, applying to the sum of the three individual scores, will be 10. Only full marks will be given.

5.3 Selection

The available funds will be allocated to the projects on the ranked list in descending order. Proposals with identical scores at the threshold of available funding may be selected according to the availability of funds and to the number of different countries involved in a project in order to maximise the number of selected projects. Project proposals that have been recommended for funding but cannot be selected for funding as all available funds have been allocated to the projects ranked above will be put on a reserve list. All participants of the project proposals selected for funding will be invited to enter into negotiations with their responsible funding bodies. The invitation does not yet constitute a commitment to fund. Funding will only be granted after successful conclusion of the negotiations. Some countries or regions may request the submission of additional national/regional forms during negotiations before the grant agreements can be issued.

3) The Horizon2020 evaluation criteria will be applied. For details see 'Guidance for evaluators of Horizon 2020 proposals' (Version 1.1 of 26 September 2014):

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-evaluation-faq_en.pdf

6. Further arrangements



The participants in a project to be funded through this competition will need to confirm that a consortium agreement is in place before the project starts. Each national/regional funding body will issue funding contracts (grant agreements) to individual project participants in accordance with its national/regional law. The reporting duties of individual project participants will be determined by the relevant national/regional regulations. In addition, the project coordinator, on behalf of the consortium, must also submit an annual short standard report in English on the project's progress to the PhotonicSensing office. For the final report, the project coordinator must summarize the results, accomplishments and impact of the project. The final reports must be suitable to be published by the participating countries and regions as well as the EC.

7. Key Dates

Competition opens	1 September 2016
Deadline for submission of stage 1 pre-proposals	5 December 2016 (17:00 CET)
Preproposal feedback to proposers	January 2017
Deadline for submission of stage 2 full proposals	29 March 2017 (17:00 CET)
Results available / notification of applicants	July 2017
Projects start	As from October 2017

8. Appendix: National and Regional Eligibility Rules and Contact Information



All participants of the PhotonicSensing competition (not only the coordinators!) are encouraged to communicate with their national or regional contacts (responsible funding bodies) indicated below to check their national/regional eligibility before submitting a project proposal. The following national and regional eligibility rules apply:

AUSTRIA

Agency	Austrian Research Promotion Agency (FFG)
Contact	Anita Hipfinger Thematic Programmes e-mail: anita.hipfinger (at) ffg.at phone: +43 5 7755 5025
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research (TRL 3+4) • Experimental development (TRL 5+6)
Eligible applicants	Following entities are eligible to apply: <ul style="list-style-type: none"> • Micro, Small, Medium and Large Enterprises; • Research Organisations. All Austrian project partners must contact the Austrian Research Promotion Agency (FFG) before submitting a pre-proposal. For further Information (eligibility criteria for cooperation, funding rules, application forms) please go to www.ffg.at/photronicsensing
Budget	700.000 Euro
Further specification	FFG conducts a formal review of all nationally relevant project proposals including the examination of the application formalities, especially the fulfilment of prerequisites specific to the offered funding instruments, the financial aspects of the proposal (financial audit of applicants, available funding budget vs. requested budget by individual partners) and the relevance to the call goals. The national rules on eligible costs for Austrian participants are available from FFG at www.ffg.at/kostenleitfaden .

FLANDERS

Agency	Agentschap Innoveren en Ondernemen (VLAIO)
Contact	Francis Deprez (francis.deprez@vlaio.be) +32 2 432 4301 Elsie Declercq (elsie.declercq@vlaio.be)
Type of RTD	Compliant with the Flanders O&O-besluit (open call system)
Eligible applicants	The eligibility criteria for Flanders are published on the VLAIO website at www.iwt.be/subsidies/oeno-bedrijfsproject and http://www.iwt.be/subsidies/kmo-innovatie
Budget	1 Million Euro
Further specification	<p>VLAIO conducts an eligibility review on the Stage I pre-proposal information (compliant to the O&O eligibility check of the O&O-besluit). Upon eligibility past Stage I pre-proposal, a contact meeting with a VLAIO officer will be organized prior to Stage 2 full proposal. At full proposal, an additional Flanders project proposal is mandatory:</p> <p>http://www.iwt.be/sites/default/files/subsidies/documenten/O&O_bedrijfsproject_aanvraagtemplate_maart_2016.doc (O&O-application) http://www.iwt.be/sites/default/files/subsidies/documenten/KMO_aanvraagtemplate_apr2016.doc (sme-application) http://www.iwt.be/sites/default/files/subsidies/documenten/bedrijfsinnovatiesteun_template_kostenmodel_jan2016.xls (budget application)</p> <p>The Flanders specific application will be guided and discussed in the contact meeting, based on the Stage 1 pre-proposal. Flanders project proposal will be used to declare the Flanders project participation eligible for full proposal evaluation by Photonic Sensing experts.</p>

GERMANY

Agency	VDI Technologiezentrum GmbH - Funding Agency on behalf of the German Federal Ministry of Education and Research (BMBF)
Contact	Sebastian Krug e-mail: krug (at) vdi.de phone: +49-211-6214-472
Type of RTD	In order to be eligible for BMBF funding project proposals must <ul style="list-style-type: none"> • be innovative and application-oriented, • measure up to comparable national BMBF-funded projects, • demonstrate an added value due to the transnational cooperation, • provide a plan for subsequent commercial exploitation and • be consistent with the provisions of the BMBF Funding Programme 'Photonik Forschung Deutschland'.
Eligible applicants	Project consortia with German participants must include at least one industrial partner (company) based in Germany. Funding of German participants is available: <ul style="list-style-type: none"> • For companies (funding up to 50% of the total eligible costs; SMEs may receive an additional bonus of up to 10%); • For universities and research institutes/organisations (funding up to 100% of the total eligible costs/expenditures). Companies are expected to contribute to the costs/expenditures of the BMBF-funded academic and research partners within the project consortium (if any) according to their economic capacity. In general, their contribution should amount to at least 50 % of the total eligible costs/expenditures on the part of all German participants in the project.
Budget	3.5 Million Euro (available BMBF funds)
Further specification	The national regulations AnBest-P, BNBest-BMBF 98 and/or NKBF 98 apply. The documents can be found at: http://foerderportal.bund.de/easy/easy_index.php?auswahl=easy_formulare&formularschrank=bmbf German participants are expected to provide complete BMBF application forms (AZA/AZK including annexes) within three months after the official notification of the project selection. Non-compliance may result in exclusion (upon decision of the PhotonicSensing funding bodies).

ISRAEL

Agency	MATIMOP-ISERD, on behalf of the National Technological Innovation Authority (previously - the Office of the Chief Scientist of the Ministry of Economy)
Contact	ICT department: Aviv Zeevi (aviv@iserd.org.il), +972-3-5118121 Hadas Daar (hadas@iserd.org.il), +972-3-5118123
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research (TRL 3+4) • Experimental development (TRL 5+6)
Eligible applicants	Following entities are eligible to apply: <ul style="list-style-type: none"> • Industrial enterprises registered in Israel, with an R&D capabilities All Israeli project partners must contact MATIMOP-ISERD (through Aviv/Hadas) before submitting a pre-proposal. For further Information (eligibility criteria, national rules on eligible costs, etc.) please go to: http://www.economy.gov.il/Legislation/Procedures/Procedures/ChiefScientist200-03.pdf
Budget	1.5 Million Euro
Further specification	Financial viability and business soundness is verified by means of an internal check - companies that are in danger of insolvency cannot be funded

POLAND

Agency	The National Centre for Research and Development
Contact	<p>Michał Chomczyk Section of Management of Applied Research Programmes INFOTECH e-mail: michal.chomczyk (at) ncbr.gov.pl phone: +48 22 39 07 459 mobile: +48 519 687 484</p>
Type of RTD	<p>The Agency supports the following types of research/development:</p> <ul style="list-style-type: none"> • Industrial / applied research • Experimental development
Eligible applicants	<p>Following entities are eligible to apply:</p> <ul style="list-style-type: none"> • Micro, Small, Medium and Large Enterprises; • Research Organisations. <p>Entities must be registered in Poland. The project consortium with Polish participation must contain at least one Polish enterprise to be eligible for funding.</p>
Budget	1.005.000 Euro
Further specification	<p>All proposals must be aligned with National regulations, inter alia:</p> <ul style="list-style-type: none"> • The Act of 30 April 2010 on the Principles of Financing Science, published in Journal of Laws item 1620, 2014, as amended; • The Act of 30 April 2010 on the National Centre for Research and Development, published in Journal of Laws item 1788, 2014, as amended; • The Regulation of the Minister of Science and Higher Education of 25 February 2015 on criteria and rules on granting state aid and “de minimis” aid through the National Centre for Research and Development (Journal of Laws of 4 March 2015, item 299) <p>Eligibility of the costs and funding rates can be found at: http://www.ncbir.pl/programy-miedzynarodowe/era-net-co-fund/photronicsensing/</p>

PORTUGAL

Agency	Fundação para a Ciência e a Tecnologia, I.P. (FCT)
Contact	Rui Munhá or Anabela Isidro FCT, Department of International Relations, FCT – Fundação para a Ciência e a Tecnologia, I.P. Av. D. Carlos I, 126, 1249-074 Lisboa, Portugal Telephone: [+351] 213 911 538 or [+351] 213 911 552 Email: rui.munha@fct.pt or anabela.isidro@fct.pt
Type of RTD	All types of RTD in all scientific domains. Please consult the Regulations Governing Access to Funding for Scientific Research and Technological Development Projects: https://www.fct.pt/apoios/projectos/regulamento.phtml.en
Eligible applicants	Please consult the Regulations Governing Access to Funding for Scientific Research and Technological Development Projects: https://www.fct.pt/apoios/projectos/regulamento.phtml.en (Article 2 and Article 6)
Budget	400,000 Euros (Maximum per proposal: 250,000 Euros if the proposal is coordinated by an eligible Portuguese Institution; 150,000 Euros, if the proposal has the participation of eligible Portuguese Institutions). Please consult the Regulations Governing Access to Funding for Scientific Research and Technological Development Projects: https://www.fct.pt/apoios/projectos/regulamento.phtml.en (Article 3 and Article 4). Note: if more than one Portuguese institution participates in a given consortium, the budget has to be shared.
Further specification	Each Portuguese partner (or coordinator) has to send to the Call National Contact Point a Statement of Commitment duly signed, dated and stamped by the Head of the Portuguese applicant organization and by the Principal Investigator, until 10 days after the submission deadline. FCT may later require the original of the statement of commitment. Consult FCT's webpage dedicated to the ongoing ERA-NETs at https://www.fct.pt/apoios/cooptrans/eranets/index.phtml.en under Exact Sciences and Engineering.

TURKEY

Agency	The Scientific and Technological Research Council of Turkey (TÜBİTAK)
Contact	Dr. İnci AKŞAHİN: inci.aksahin@tubitak.gov.tr , +90 312 298 1182
Type of RTD	The Agency potentially supports the following types of RTD, namely: <ul style="list-style-type: none"> • Industrial / applied research (TRL 3+4) • Experimental development (TRL 5+6)
Eligible applicants	The Research Projects in the context of this call will be assessed and supported by TÜBİTAK, considering the rules of “1001- Scientific and Technological Research Projects Funding Program”. The organisations which are eligible for funding by TÜBİTAK, the eligibility criteria for cooperation and the national rules on eligible costs are given in the national guidelines under; (http://www.tubitak.gov.tr/tr/destekler/akademik/ulusal-destek-programlari/icerik-1001-bilimsel-ve-teknolojik-arastirma-projelerini-destekleme-pr) for Turkish participants.
Budget	1.5 Million Euro
Further specification	TÜBİTAK conducts a formal review of all nationally relevant project proposals including the examination of the application formalities, especially the fulfilment of prerequisites specific to the offered funding instruments. The details of the eligibility criteria can be followed under the topics “Support Program Regulation and Basic Principles”, “Financial and Administrative Principles” on http://www.tubitak.gov.tr/tr/destekler/akademik/ulusal-destek-programlari/icerik-1001-bilimsel-ve-teknolojik-arastirma-projelerini-destekleme-pr . The guidelines for preparation of the proposals and application forms are also available on the same address. The negotiations with owner of the project proposals, selected for funding, will be performed by TÜBİTAK.

TUSCANY REGION

Agency	Regione Toscana
Contact	Department for Industrial Research, Technology Transfer and Innovation Elisabetta Malenotti: elisabetta.malenotti@regione.toscana.it , +39 055.438.2423 Elena Recchia: elena.recchia@regione.toscana.it +39 055.438.2712 Elena Perla Simonetti: elenaperla.simonetti@regione.toscana.it +39 055.438.3231
Type of RTD	The Agency potentially supports the following types of RTD, namely: Industrial / applied research (TRL 3+4) Experimental development (TRL (5+6)
Eligible applicants	The organisations from Regione Toscana which are eligible for funding, the eligibility criteria and the eligible costs will be defined in a specific Regional Committee Resolution and, subsequently, in a regional call for proposal. The call will be launched after September the first 2016 through an executive decree of the Manager of the Department for Industrial Research, Innovation and Technology Transfer and published in the Official Law Bulletin of Regione Toscana: http://www.regione.toscana.it/burt .
Budget	1 Million Euro
Further specification	Regione Toscana conducts a formal review of all regionally relevant project proposals including the examination of the application formalities, especially the fulfilment of prerequisites specific to the offered funding instruments. Due to eligibility check on national relevant rules, applicants from Tuscany invited for the stage 2 full proposal, will be demanded to submit further regional project's forms before the deadline set in the joint call (06/03/2017). The deadline at regional level will be defined in the above-mentioned regional call for proposal. Please refer to the following regulations as general reference for eligibility criteria: <ul style="list-style-type: none"> • COMMISSION REGULATION (EU) No 651/2014; • Essential requirements set in article 9, clause 3-bis, of the Regional Law number 35 of 2000 available on: http://www.regione.toscana.it/burt. • "Guidelines for the preparation of the calls for proposals" (Linee guida per la redazione dei bandi per agevolazioni alle imprese) according to the provisions of the Regional Committee Resolution number 1208 of 2015 (Delibera di Giunta Regionale n.1208/2015) available on: http://www.regione.toscana.it/regione/leggi-atti-e-normative/atti-regionali

UNITED KINGDOM

Agency	Innovate UK
Contact	Amy Oswin: Amy.Oswin@innovateuk.gov.uk Myrddin Jones: Myrddin.jones@innovateuk.gov.uk Helpline: support@innovateuk.gov.uk Telephone: +44 300 321 4357 www: www.gov.uk/government/organisations/innovate-uk
Type of RTD	Projects should fall within the category of “Industrial Research”. Information on the different categories of funding and the associated rules arising from our state aid framework can be found on https://interact.innovateuk.org/-/funding-rules
Eligible applicants	To be eligible for UK funding, projects must include at least one UK business. All participants in a project must be separate legal entities. Full eligibility conditions can be found on https://interact.innovateuk.org/-/funding-rules
Budget	Up to 1.8 Million Euro (national funding)
Further specification	For “Industrial Research”, Micro and Small businesses receive 70% funding, Medium businesses receive 60% funding and Large businesses receive 50% funding. UK Companies must be registered at Companies House and undertaking economic activities for at least 1 year at the application closing date. UK partners can subcontract a maximum of 20% UK grant costs. UK partners’ total eligible costs should not exceed €600k per project. At least 70% of of the total eligible project costs of UK partners must be incurred by businesses. No more than 30% of project costs can be shared by all research organisations in the project. Eligible costs are defined in https://goo.gl/jadHUS UK applicants are required to complete and return an “Eligible Costs Form” during Stage 2



PHOTONIC
SENSING

photonicsensing.eu