



EU-INDIA R&I Cooperation
Horizon Europe –Work Programmes 2023-2024
Calls earmarked by the Government of India
(DST/DBT/MoES)



Funding Opportunities for Collaboration & Mobility

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Webinar | Aalto FICORE

Content

EU-IND Cofunded calls & Modalities

- Calls earmarked for co-funding by Gov. & Deadlines
- Where to find call text & India co-funding modalities?
- Consortium India - Regulatory & Ethical Considerations & IPR
- Proposal Preparation & Submission
- Evaluation & Timeline
- Partner search & websites



Horizon Europe supports the implementation of the global approach to research & innovation

HORIZON EUROPE // 2021 - 2027 // €95.5 billion

- ✓ A unique international R&I programme with scale and scope
- ✓ Truly multilateral and multidisciplinary
- ✓ Access to State-of-the-Art/scientific Excellence
- ✓ Targeting actions with key partners (Region/ Multilateral fora)
- ✓ Association possible for countries anywhere in the world, based on criteria
- ✓ Safeguarding EU interests

Our Vision

A sustainable, fair and **prosperous** future for **people** and **planet** based on European values

- Tackling **climate change** (35% budgetary target)
- Helping to achieve **Sustainable Development Goals**
- Boosting the Union's **competitiveness and growth**



Credits: <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Horizon Europe structure

€53.8bn

€24.9bn



€13.4bn

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

- Widening participation & spreading excellence
- Reforming & Enhancing the European R&I system

Horizon: Collaboration links Nordic Countries & India



India - Sweden

Collaboration Links : 84

India - Norway

Collaboration Links : 83

India - Finland

Collaboration Links : 44

India - Denmark

Collaboration Links : 143



Horizon Europe - Opportunities

- **Open to the world**

→ Open to the world, which means that participants from all over the world can participate in most calls (open by default).

- **Encouraging international cooperation**

→ Focus on global challenges, cross-cutting missions, partnerships, and open science policy.

- **Horizon Europe offers opportunities for:**

→ **Collaborative research & innovation projects:** carried out by consortia of organisations working together on specific research & innovation areas

→ **Individual researcher projects:** The **European Research Council (ERC)** and the **Marie Skłodowska-Curie actions (MSCA)** offer unparalleled funding opportunities for individual researchers who want to work in Europe.



European Framework Programmes

Horizon Europe

- All funding on competitive basis through calls of proposals;
- Evaluation: independent external experts (peer reviewers);
- Horizon Europe: average success rate 15.9%;
- Work Programme (WP) published every two years (now WP 2023-2024) and WP 2025-2027 under preparation;
- All WPs made public & +800 calls open : see [Funding & Tenders Portal](#)



Why participate in Horizon Europe?

- Funding source in addition to national schemes
 - High funding rate: 70-100% of eligible direct costs
- Increased visibility at EU & Global level
- Build new domestic and international partners/customers (leading to growth & revenue)
 - First step towards internationalisation & export markets
- Solving global grand challenges through collaborative R&D
- Access to: cutting edge technologies, infrastructure & talent
- Influence standards, regulations and research policies
- Creating jobs, growth and stronger supply chains

Co-Funded Calls & deadlines

Topic	Action	Opening & Closing
<p>CLIMATE CHANGE</p> <p>HORIZON-CL5-2024-D1-01-02: Inland ice, including snow cover, glaciers, ice sheets and permafrost, and their interaction with climate – MoES cofunding</p>	RIA	Opening: 12 Sep 2023 Deadline: 05 Mar 2024
<p>HEALTH</p> <p>HORIZON-HLTH-2024-DISEASE-08-20: Pandemic preparedness and response: Host-pathogen interactions of infectious diseases with epidemic potential – DBT cofunding</p>	RIA	Opening: 26 Oct 2023 Deadline 11 Apr 2024
<p>BIOFUELS</p> <p>HORIZON-CL5-2024-D3-02-03: Development of smart concepts of integrated energy driven bio-refineries for co-production of advanced biofuels, bio-chemicals and biomaterials - DBT cofunding</p>	RIA	Opening: 07 May 2024 Deadline: 05 Sep 2024

Where to find call text?

Horizon Europe - Funding & Tenders Portal

The screenshot displays the Horizon Europe Funding & Tenders Portal interface. At the top, the European Commission logo and the text 'Funding & tender opportunities' are visible. A navigation bar includes 'SEARCH FUNDING & TENDERS' (highlighted in yellow), 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. A red arrow points to the search bar, which contains the placeholder text 'type your Keywords...'. Below the search bar, there are filters for 'Match whole words only' (checked), 'GRANTS' (checked), and 'TENDERS' (unchecked). The 'Submission status' section shows three categories: 'Forthcoming (415)', 'Open for submission (537)', and 'Closed (6261)'. The 'Programming period' section has a dropdown menu. The main content area displays two funding opportunities:

- Integration of 5G with edge computing and federated cloud facilities** (CEF-DIG-2022-TA-5GINTEGRA)
 - Programme: Connecting Europe Facility (CEF)
 - Type of action: CEF Project Grants
 - Opening date: 12 October 2022
 - Status: Open for submission
 - Deadline model: single-stage
 - Deadline date: 23 February 2023 17:00:00 Brussels time
- Preparation of works for Operational digital platforms** (CEF-DIG-2022-TA-PLATFORMS)
 - Programme: Connecting Europe Facility (CEF)
 - Type of action: CEF Project Grants
 - Opening date: 12 October 2022
 - Status: Open for submission
 - Deadline model: single-stage
 - Deadline date: 23 February 2023 17:00:00 Brussels time

Where to find Gov. co-funding guidelines?

DST



ANNOUNCEMENT
INDIA-EU COOPERATION ON RESEARCH & INNOVATION (R&I)

DST ANNOUNCES CO-FUNDING PARTNERSHIP UNDER THE EU FRAMEWORK PROGRAMME ON R&I 'HORIZON EUROPE' CALLS 2023-2024

Collaboration in Science, Technology and Innovation (STI) plays an increasingly important role in the EU-India Strategic Partnership. In line with the EU-India Strategic Partnership, DST has announced the following calls for proposals under the EU Framework Programme on R&I 'Horizon Europe' (2023-2024).

DBT




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INDIA-EU COOPERATION ON RESEARCH & INNOVATION (R&I)

DBT ANNOUNCES CO-FUNDING PARTNERSHIP UNDER THE EU FRAMEWORK PROGRAMME ON R&I 'HORIZON EUROPE' CALLS 2023-2024

Collaboration in Science, Technology and Innovation (STI) plays an increasingly important role in the EU-India Strategic Partnership. In line with the EU-India Strategic Partnership, DBT has announced the following calls for proposals under the EU Framework Programme on R&I 'Horizon Europe' (2023-2024).

MoES



Cooperation on Climate Change and Polar Research between Ministry of Earth Sciences (MoES) and the European Union (EU) under the R&I programme 'HORIZON EUROPE' (2023-2024)

Researchers and innovators from universities and research organisations from India can team up with European partners in the calls for proposals published by the European Commission (EC) under the R&I programme 'Horizon Europe' (2023-2024).

Who can participate?

Horizon Europe:

- 'By-default' open to almost all countries;
- Any legal entity i.e company, big or small/SME/startups, research organisations, universities, non-governmental organisations, regardless of their place of residence or establishment in "Europe or Non-European countries" – researchers, NGO. Public or private;

India:

- Central/State Government supported or recognized (Public or Private) academic and/or research institution(s);
- National/State funded R&D Labs;
- Scientific/R&D performing Indian industry may participate voluntarily (own funding);

Basic Eligibility Condition - Horizon Europe Proposal (1/2)

Collaborative projects (RIA/IA):

- Consortium must include, as beneficiaries: minimum three legal entities from EU MS/AC independent from each other and each established in a different country as follows:
 - ✓ at least one independent legal entity established in a **Member State (MS)**; and
 - ✓ at least two other independent legal entities, each established in different **Member States (MS) or Associated Countries (AC)**.
 - ✓ In addition, entities from other countries (e.g. India) could be included in a consortium



Horizon Europe Proposal: Eligibility: (2/2)

27 EU Member States (MS)

Austria, Belgium, Bulgaria, Croatia, Republic of Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, The Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain and Sweden

17+2 (19) Horizon Europe Associated Countries (AC)* :

Albania, Armenia, Bosnia and Herzegovina, Faroe Islands, Georgia, Iceland, Israel, Kosovo, Moldova, Montenegro, New Zealand (*associated to HE Pillar II 'Global Challenges'*), North Macedonia, Norway, Serbia, Tunisia, Türkiye, Ukraine

- United Kingdom (**once the Protocol is adopted** - applicable for the entire HE Programme and except EURATOM Programme)
- Morocco: under negotiation

UK: Once the Associated Country status is in force on **1 January 2024**, the entities established in the UK will participate under equivalent conditions as those applicable to entities established in the Union in all calls or contests implementing the programme's budget of 2024 and onwards, with the very limited aforementioned exceptions. For example, entities established in the UK will be eligible for EU funding at the same rates and under the same conditions as beneficiaries or contestants for prizes from EU Member States. They will be able to lead project consortia. They will also count towards the minimum number of countries in calls for transnational projects.

See updates https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf

*updated - HE association agreements status as of 15.09.2023

India Proposal Eligibility: general conditions (2/2)

- Number of participant from India in co-funded call is not an eligibility condition of HE
- To obtain DST/DBT/MoES co-funding, **one or more entities** per proposal from India are encouraged to increase impact;
- Attention: at least one publicly funded Indian entity must be part of a selected project to avail DST/DBT/MoES funding;
- Proposal must include: minimum 3 EU MS/AC partners + 1 Indian or more + open to other non-European countries;
- Please check additional eligibility conditions in call text.

Who is eligible for HE funding?



EU COUNTRIES

- Member States (MS) including their outermost regions -27
- The Overseas Countries and Territories (OCTs) linked to the MS.



NON-EU COUNTRIES

- Countries associated to Horizon Europe (AC) – (currently 16)
- 120 Low and middle income countries: See [HE Programme Guide](#).
- **Other countries** (*not automatically eligible for EU funding, except if stated in call text or considered participation essential by EC/funding body*)



SPECIFIC CASES

- Affiliated entities established in countries eligible for funding.
- EU bodies
- International organisations (IO):
 - International European research organisations are eligible for funding.
 - **Other IOs** (*not automatically eligible for EU funding, only when announced in the call or exceptionally if their participation is essential*)

Funding of European partners is as **per Horizon Europe rules** of participation and in function of type of action [RIA & IA] – see HE [programme guide](#)

Non-European Countries not automatically funded

Exceptional funding / Co-funding / own funding



NON-EU COUNTRIES

not automatically eligible for EU funding

- Industrial & Emerging Economies countries
- (e.g. US, CA, AU, NZ, JP, KOR, CN, **India**, BR, MX etc.)
- **Associated Partners**

INTERNATIONAL ORGANISATIONS

not automatically eligible for EU funding

- UN, UNESCO, WHO etc.

Other IOs (only when announced in the call or exceptionally if their participation is **essential**)

Exceptional funding

Participation deemed essential by the EC (outstanding expertise, access to research infrastructure/data etc.)

Co-Funding

Bilateral agreement between EU and Third Country



Specific provision

mention in the call text for TC funding

General Gov. co-funding conditions?

- Indian entities to comply terms & conditions of respective funding agency (DST/DBT/MoES) ! - see web notice;
- **Proposal not submitted to both funding portals/agencies will be disqualified;**
- Co-funding subject to **positive evaluation** by respective Indian funding agencies;
- Indian entities **not to sign the EC Grant Agreement!**
- Duration: up to 3-4 years;

Who is eligible for GoI. (DST/DBT/MoES) Co-funding?

- **Public or Private: academic/universities, research institutions, national & state labs:**
 - ✓ must have a well-established research support system;
 - ✓ submission of proof of establishment under Indian statute;
 - ✓ recognition documents and registration at Government of India's Public Finance Management System (PFMS) - <https://pfms.nic.in> shall be obligatory;
- **Industry: Scientific/R&D performing Indian industry may participate on its own resource/funding;**

Attention: Only co-funding available in HE calls earmarked by the GoI. (11 calls)

What is funded by Gov. under co-funding?

- **100% funding (Grant-in-aid)** → Public or Private academic and/or research institution(s), National/State funded R&D Labs
- **Eligible costs:**
 - Capital expenditure (equipment's)
 - Manpower
 - Consumables
 - Travel (local and international travel)
 - Contingency
 - Overheads
 - Outsourcing
 - others (training & awareness; workshops; publications; review meetings, etc.)
- **IND contribution per project:**
 - DST/MoES: INR 1.5 crores/project (~EUR 160,000/project)
 - DBT: As per requirement of the project

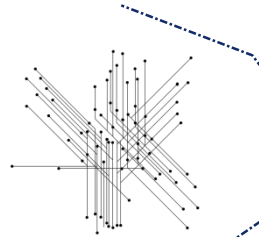
Admissibility: general conditions of Gol.

Application must be:

- **Jointly developed** by EU + India + other partners in prescribed HE template (Part A & B);
- Submitted electronically to **Funding & Tenders Portal electronic submission** system **by the call deadline** (task of European Project Coordinator);
- Submitted to Gol. i.e. **same proposal** as submitted to Horizon Europe F&T Portal + **in annex administrative & financial form required by DST/DBT/MoES**;
- Submitted to DST: by lead Indian scientific coordinator/PI on DST ePMS online portal – within 7 working days after the HE call closing date;
- Submitted to DBT via email - within 7 working days after the HE call closing date;
- Submitted to MoES via email + hard copy - within 7 working days after the HE call closing date;
- Complete and contain all parts and mandatory Annexes and supporting documents must be readable, accessible and printable;

Consortium – How to Find Partners?

Use your network!



Past projects in area of interest



Brokerage events



Partner search platforms



[On individual topics \(once open\) in Funding and Tender portal](#)

enterprise europe network

NCPs (+networks)

Regional offices

FEURESEARCH
Swiss guide to European research & innovation
[Partner search e-alerts](#)

EURAXESS

[Partnererring](#)

Consortia Formation

- At least 3 legal organisations from 3 different EU Member States and/or Associated Countries (at least 1 from EU MS);
- Additional legal organisations depending on project requirement from Europe, India, and other non-European countries could be included;
- Partners: multidisciplinary, cross-sectoral & cross-border participation encouraged;
- Gender balance: female participation highly encouraged;
- **One Project Coordinator from EU** - consortium to decide;
- **One lead scientific coordinator from India.**

INDIA - Associated Partner

- **Entities receiving IND funding in ₹ - Do not sign EU's grant agreement**
- Can participate in all collaborative projects in the role of "**Associated Partner**";
- Your activities and global budget must be specified in the proposal;
- Can Lead Work Packages/Partner (can not be coordinator);
- Have a 9-digit Participant Identification Code (PIC);
- Sign the Consortium Agreement or similar agreement;
- Being listed in Art. 9.1 of the EC Grant Agreement.

India - Regulatory & Ethical Considerations (If Applicable)

- Notifications/Orders issued towards expeditious consideration of various regulatory aspects in response to COVID-19 pandemic (see DBT website);
- Research using hazardous microorganisms, genetically engineered (GE) organisms & products thereof for R&D purpose;
- Human and Animal Subjects Research;
- Authorizations for pre-clinical and/or human clinical trials.

Attention: Lead scientific coordinator from India must have good understanding of DST/DBT/MoES regulations and experience in ethical and pre-clinical procedures of Govt. of India!

India IPR: Ownership, Protection & User rights

- Specify and agree on central IP arrangements as part of a comprehensive and elaborated Consortium Agreement.
- IP management should cover the following aspects:
 - Knowledge management
 - Confidentiality obligations
 - Background
 - Ownership and transfer of ownership of results
 - Protection and exploitation of results
 - Dissemination
 - Access rights
 - Settlement of dispute

IPR issues for all the proposals need to satisfy the
S&T agreement between EU and India

Evaluation Criteria

Horizon Europe Evolution Criteria

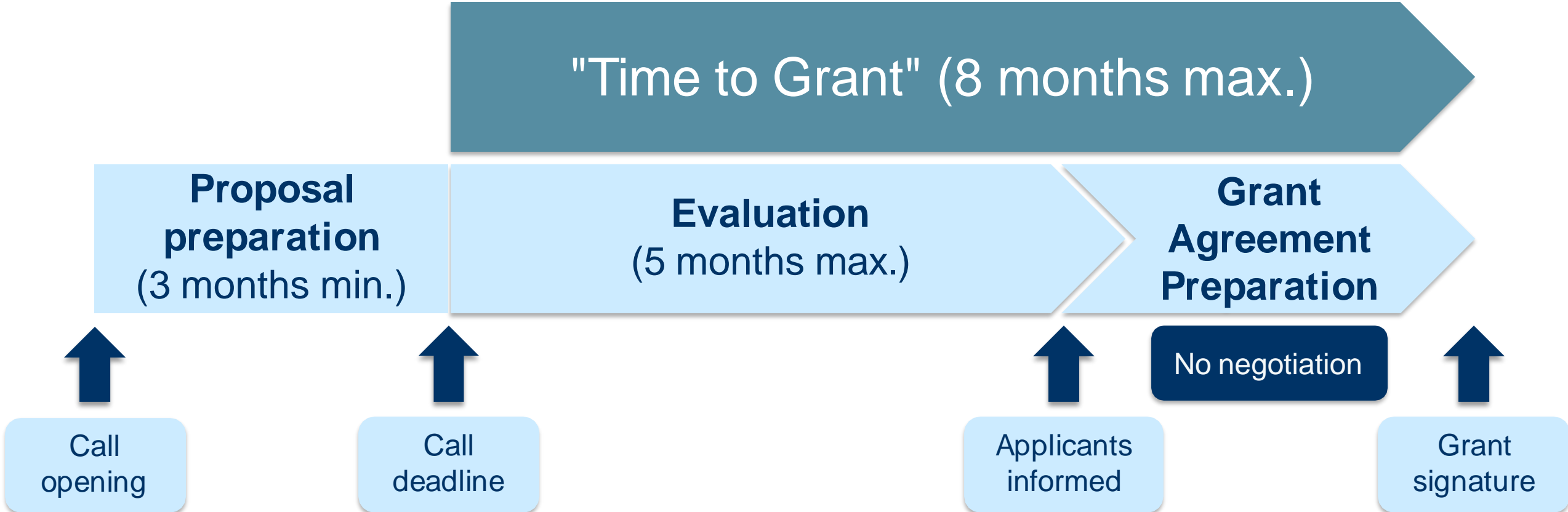
Excellence	Impact	Quality and efficiency in the implementation
<ul style="list-style-type: none">• Clarity and pertinence of the objectives;• Credibility of the proposed approach;• Soundness of the concept, including trans disciplinary considerations, where relevant;• Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art (e.g. ground breaking objectives, novel concepts and approaches).	<ul style="list-style-type: none">• The expected impacts listed in the work programme under the relevant topic• Enhancing innovation capacity and integration of new knowledge;• Strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets; and by delivering such innovations to the markets;• Any other environmental and socially important impacts;• Effectiveness of the proposed measures to exploit and disseminate the project results	<ul style="list-style-type: none">• Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources;• Complementarity of the participants within the consortium (when relevant)• Appropriateness of the management structures and procedures, including risk and innovation management.

Gov. Evolution Criteria

- Soundness, scientific quality and technological merit;
- Potential for wide application and the benefits expected to accrue from commercialization;
- Adequacy of the proposed effort;
- Capability of the R&D institution(s) in the proposed action network;
- Organizational and commercial capability of the enterprise, including its internal accruals;
- Reasonableness of the proposed cost and financing pattern;
- Measurable objectives, targets and milestones;

Proposals positively evaluated/selected by **both sides** will be considered for co-funding by the respective Indian funding agency (DST/DBT/MoES)

HE Timeline



Information sources

- GoI website: [DST](#), [DBT](#) and [MoES](#) guidelines for Indian applicants
- Horizon Europe Website with call details: [Funding & Tenders Portal](#)
- Partner Search
 - ✓ Horizon Europe: Guide to an adequate partner search
 - ✓ [Express interest](#) to specific call
 - ✓ [euMatch2.0](#)
 - ✓ [NCP Network](#)
 - ✓ [CORDIS](#)
- **Information and Brokerage events:** [EURAXESS India](#) website from **2 to 21 Feb.**

Future Calls

- Plastic litter / Microplastic
- Wastewater treatment
- Waste to green/renewable energy
- Recycling of batteries

EU-India Cooperation Team

EU DEL IND



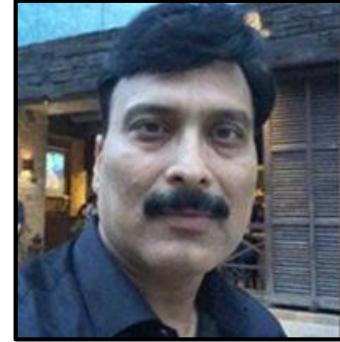
Pierrick FILLON-ASHIDA
EU DEL IND

DST



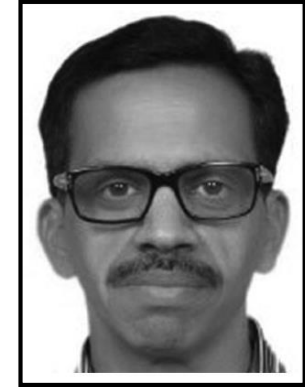
Dr Praveen Kumar S
DST

DBT



Dr Dhananjay Tiwary
DBT

MoES



Dr Vijay KUMAR
MoES



Dr Vivek DHAM
EU DEL IND



Dr Mahak GARG
DST



Dr Abhishek SINGH
DBT



Dr Aparna SHUKLA
MoES

EU: delegation-india-ri@eeas.europa.eu

DST: mahak.garg@gov.in

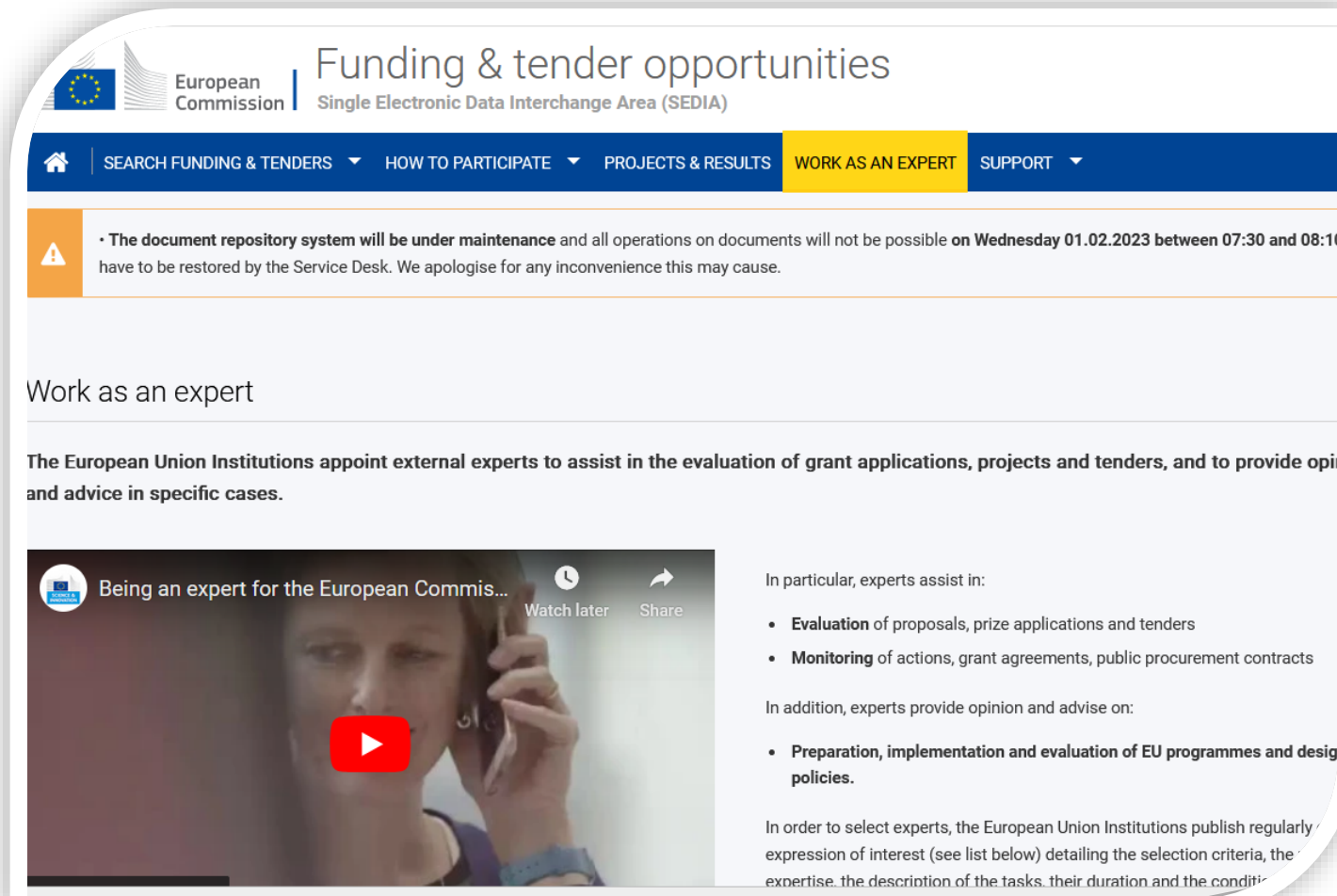
DBT: icone@dbt.nic.in

MoES: aparna.shukla@gov.in

Work as an expert

Work as an expert (if not involved in project)

- For evaluation of proposals
- For project review
- Website <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert>



The screenshot shows the 'Funding & tender opportunities' page on the European Commission's Single Electronic Data Interchange Area (SEDIA). The page features a navigation bar with options: SEARCH FUNDING & TENDERS, HOW TO PARTICIPATE, PROJECTS & RESULTS, WORK AS AN EXPERT (highlighted), and SUPPORT. A maintenance notice is displayed, stating that the document repository system will be under maintenance on Wednesday 01.02.2023 between 07:30 and 08:11. The main content area is titled 'Work as an expert' and includes a video player for 'Being an expert for the European Commis...' and a list of tasks experts assist in.

European Commission | Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

SEARCH FUNDING & TENDERS | HOW TO PARTICIPATE | PROJECTS & RESULTS | WORK AS AN EXPERT | SUPPORT

• The document repository system will be under maintenance and all operations on documents will not be possible on Wednesday 01.02.2023 between 07:30 and 08:11 have to be restored by the Service Desk. We apologise for any inconvenience this may cause.

Work as an expert

The European Union Institutions appoint external experts to assist in the evaluation of grant applications, projects and tenders, and to provide opinion and advice in specific cases.

Being an expert for the European Commis...
Watch later | Share

In particular, experts assist in:

- **Evaluation** of proposals, prize applications and tenders
- **Monitoring** of actions, grant agreements, public procurement contracts

In addition, experts provide opinion and advise on:

- **Preparation, implementation and evaluation of EU programmes and design policies.**

In order to select experts, the European Union Institutions publish regularly / expression of interest (see list below) detailing the selection criteria, the expertise, the description of the tasks, their duration and the conditions

Thank you for your Attention!

delegation-india-ri@eeas.europa.eu

india@euraxess.net

The screenshot shows the EURAXESS India website homepage. At the top left is the European Commission logo. The main header is dark blue with the EURAXESS logo and a navigation menu with items: Home, Jobs and Funding, Career Development, Partnering, Information and Assistance, National Portals, and Worldwide. Below the header is a breadcrumb trail: Home > EURAXESS Worldwide > EURAXESS India. A notification box contains a message about a portal renewal. The main content area features a large orange and yellow graphic with the text: "EURAXESS India links researchers in India with Europe. Free information and events on research funding, research careers and collaboration opportunities. EURAXESS India has been serving researchers in all fields interested in a research career in Europe since 2011." Below this is a yellow button that says "SIGN UP AND BECOME A MEMBER FOR FREE!". A dark navigation bar contains the following categories: NEWS & EVENTS, JOBS & FUNDING, PUBLICATIONS, USEFUL INFORMATION, and ABOUT US. The "NEWS" section is active, displaying four news items with images and brief descriptions: "EUROPE 3 PhD positions open in the field of engineering", "BSQM Master class for MScA Postdoctoral Fellowship applicants at UCSCourier", "SPARK & MSCA are funded PhD positions in the field of nanotechnology and nanoscience", and "321 researchers awarded with the ERC Consolidator grants 2022".