

科技部 函

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密等及解密條件或保密期限：

附件：如文(附件1 A095M0000Q0000000_110U0P001894_110D2006589-01.pdf、附件2 A095M0000Q0000000_110U0P001894_110D2006590-01.pdf、附件3 A095M0000Q0000000_110U0P001894_110D2006591-01.odt)

主旨：科技部與波蘭國家研究發展中心(NCBR)共同徵求2022-2024年雙邊協議國際合作計畫(1-3年期)，自2021年4月1日至6月15日(星期三)止受理申請，請於申請截止日前完成線上申請並造冊函送本部，逾期不予受理，請查照轉知。

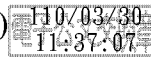
說明：

- 一、依科技部與波蘭NCBR所簽署之雙邊科學與技術合作協定辦理。
- 二、申請資格須為刻正執行科技部補助研究類計畫主持人，並於該計畫項下擴充加值為國際合作計畫，補助經費項目及規定，請參閱申請須知。
- 三、本公告計畫之執行期程自2022年1月1日開始，以1-3年期計畫為原則，雙方共同研究計畫之執行期間須相同。
- 四、徵求公告詳如附件，同步於科技部網站/動態資訊/計畫徵求公告，雙方申請主持人分別依科技部及波方NCBR之規定辦理。
- 五、本案聯絡人：相關計畫內容詢問，請洽科技部科國司胡

秀娟研究員，電話：（02）2737-7560及余沁琳小姐，電話：（02）2737-7559。線上作業系統操作問題，請洽科技部資訊系統服務專線，電話：0800-212-058，（02）2737-7590、7591、7592。

正本：專題研究計畫受補助單位（共302單位）

副本：駐捷克代表處科技組、科教國合司(均含附件)



裝

部長吳政忠



線



**科技部與波蘭國家研究發展中心徵求 2022 年度(MOST-NCBR)
雙邊協議國際合作計畫 (1-3 年期)
申請須知**

2021.3.18

一、緣起及說明

為推動與中歐及東歐國家促進科學技術交流，本部與波蘭國家研究發展中心(NCBR)於 2012 年簽署科學與技術合作協定，共同徵求雙邊協議國際合作研究計畫。

- (一) 本案分「國際合作研究計畫」及「國際合作鏈結法人計畫」兩類，核給 1-3 年期計畫。本部補助以「擴充增值」方式辦理，並主動增核國際合作主持費，我方主持人須依本公告所述方式向本部申請。
- (二) 本項徵件必須由臺灣及波蘭雙方研究人員共同組成計畫團隊，研議合作細節並完成撰寫計畫申請書，分別提送本部及波蘭國家研究發展中心(NCBR)審查，任一方未收到申請書，則申請案無法成立。
- (三) 依本部「補助雙(多)邊協議國際合作擴充增值(Add-on)方案作業須知」相關規定辦理，重點說明如下：



二、申請資格

臺方計畫主持人應符合下列資格條件：

(一) 臺方計畫主持人應符合下列資格條件：

1. 以現正執行本部補助研究案計畫（下稱原計畫），且於徵件截止日內，原計畫執行期限尚未屆滿之計畫主持人為限。所稱原計畫不含規劃推動案、產學合作案、代辦案及雙(多)邊協議國際合作研究計畫。
2. 計畫主持人執行本部重大政策性專案計畫，不得再執行本部其他補助計畫者，仍可提送本方案申請書，以確保雙邊協議合作案之申請得以成案。

(二) 波方計畫主持人資格依 NCBR 相關規定處理（無上列相關限制）。

三、 作業時間

- (一) 申請日期：自 2021 年 4 月 1 日起至 2021 年 6 月 15 日止，以申請機構發函日期為憑。
- (二) 審查結果公告日期：2021 年 12 月間，若因不可抗力因素、協議機構審查時間或雙邊年會時程延後等，本部得視情形調整公布審查結果時間。

四、 計畫期限

- (一) 獲雙邊選定通過之計畫自 2022 年 1 月 1 日起開始執行。與波方共同研究計畫之執行期間相同。
- (二) 計畫期限最短 1 年，最長不得超過 3 年。

五、 合作領域

本項徵件之合作領域以下列六項為原則：

- ◆ Neuroscience (神經科學)
- ◆ Energy efficiency technologies, including air-conditioning, refrigeration, thermal energy technologies (能源效率科技)
- ◆ Materials science and engineering (材料科學與工程)
- ◆ Smart Vehicle (including AI and electromobility) (智慧駕駛)
- ◆ Quantum technology and Cybersecurity (量子科技及網路安全)
- ◆ Space research (太空科技)

六、 計畫類型

本案徵求下列兩類型計畫：

(一) 國際合作研究計畫：

臺波雙方學術機構研究人員共同組成一個計畫團隊。

(二) 國際合作鏈結法人計畫：

本計畫型態屬國際合作鏈結法人類型，目標於發展創新技術並延伸至應用面及商品化層面，例如開發短期內可上市的產品或解決方案，抑或有科技基礎且具市場效益的方法與服務等。

1. 國內所組成計畫團隊必須鏈結國內研究型法人(如國家實驗研究院或工業技術研究院等)參與計畫，並有研究人員列為共同(或協同)主持人(填列於 **CM06 主要研究人力表**)；國內公司以經費自籌或提出配合款參與者優先考量。
2. 波方計畫團隊申請人以業界(公司)為主，並得以與聯合大學及其他研究機構共同提出申請。

七、 補助項目及額度

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- (一) **補助經費項目：**國際合作主持費(依規定主動增核)、國際合作所需業務費(含研究人力費及物品耗材費)、研究設備費、赴國外差旅費等(不含管理費)。

(二) 補助額度：

1. 國際合作研究計畫：

補助「擴充增值」經費與原計畫經費總和，以每案每年不超過新臺幣 120 萬元為原則，惟實際核定經費以審查結果為準。

2. 國際合作鏈結法人計畫：

補助「擴充增值」經費與原計畫經費總和，以每案每年不超過新臺幣 300 萬元為原則，惟實際核定經費以審查結果為準。

- (三) 前開國際合作主持費依本部主持費及規劃費核給標準辦理。

八、 申請方式

- (一) 登入本部網站，點選螢幕畫面右方「學術研發服務網登入」，點選「研究人員(含學生)」並輸入申請帳號(ID)及密碼(Password)後登入。

- (二) 螢幕左方「功能選單」點選「學術獎補助申辦及查詢」。
- (三) 「申辦項目」選項內點選「專題計畫」後，再點選「專題研究計畫(含構想書、申覆、產學、博後著作獎、研究學者)」進入專題研究計畫線上申請系統。
- (四) 在專題計畫線上申請系統頁面上方點選「新增申請案」，在計畫類別點選「專題類—隨到隨審計畫」下選擇「雙邊協議型擴充加值(add-on)國際合作計畫」進入，開始「新增」計畫，並依系統要求填列表格及上傳相關資料。
- (五) 進入表格製作時，「計畫歸屬」請依計畫研究主題及所屬學門勾選對應之學術司（請勿直接勾選「科教國合司」）。
- (六) 申請**國際合作鏈結法人計畫**者，計畫名稱應以【國際合作鏈結法人】為起始。
- (七) 計畫主持人填列表「IM01」之「合作國家」請選「與單一國家合作」，「國別」請選填「**323-波蘭**」，「外國合作計畫經費來源」為本部雙/多邊協議機構，並選填「**波蘭國家研究發展中心(NCBR)**」。
- (八) 申請表「IM04」係附件類型檔案之上傳功能鍵，請將本項申請案之英文共同申請書「**9th Polish-Taiwanese/Taiwanese-Polish Joint Research Call Application Form**」、波方計畫主持人英文履歷及著作目錄等資料依序合併為單一 PDF 檔案後上傳至系統，未上傳者視為申請資料不全。
- (九) 計畫申請案須經主持人任職機構於系統中彙整後送出，依本部「專題計畫線上申請彙整」作業系統製作及列印申請名冊（由系統自動產生，並按計畫歸屬司別列印）一式二份，於截止日期前函送本部。

九、計畫核定

- (一) 申請案須經臺波雙方獨立學術審查，申請結果由兩方經複審會議共同選定。
- (二) 本徵求案補助件數將依申請件數及審查結果而定。
- (三) 申請案經選定推薦後將核定國際合作擴充加值(add-on)經費。

十、計畫期中考核

- (一) 本計畫採用逐年考核機制辦理，年度計畫結束後計畫主持人必須繳交期中進度報告，據以審查後核撥下一年度計畫經費。
- (二) 若年度期中進度報告業經本部或波方審查未獲通過，臺波雙方得另行評估是否繼續補助下一年度計畫，必要時臺波雙方得以終止補助該計畫。

十一、注意事項

- (一) 本項共同研究計畫須經本部與 NCBR 雙方獨立審查後，再共同審議選定補助計畫，故不受理申覆。
- (二) 計畫件數規範：本案核定計畫不列入本部一般專題計畫件數計算，惟同年度計畫主持人執行「雙邊協議擴充加值型(add-on)國際合作計畫」類型計畫以不超過 2 件為限。
- (三) 臺波雙方計畫主持人應於提申請案前充分溝通及討論計畫內容，雙方計畫名稱應相同且合作內容應經雙方同意。
- (四) 雙邊國際合作計畫應將臺波雙方研究人員互訪交流視為彼此重要合作活動並列入計畫，系統內申請表 IM02 得以中文或英文撰寫。
- (五) 臺波雙方所需合作研究經費，分別由本部及 NCBR 補助，兩方所提經費需求無須相同但不宜差距太多。
- (六) 申請案必須同時由波方計畫主持人向波蘭國家研究發展中心(NCBR)提出申請，雙邊案始予成立，恕不受理下列任一狀況之申請案：
 - 1. 僅有單方（臺方或波方）提出計畫申請。
 - 2. 申請臺波雙邊協議國際合作鏈結法人計畫者，未鏈結國內研究型法人共同申請。(應附書面合作證明)
 - 3. 未能於申請截止日前完成線上作業並送件。
 - 4. 申請資料不全（例如：未填寫「國際合作研究計畫表(IM01-IM04)」或是臺波雙方所提計畫內容基本要項不一致等）。
 - 5. 未依本部專題研究計畫作業規範提出申請。

- (七) 本部補助計畫研究成果及智慧財產權歸屬計畫執行單位，倘臺波雙方合作涉及智慧財產及研究成果分享等事宜，雙方主持人應事先議定，必要時可於共同申請提案前先行完成簽訂協議書。
- (八) 計畫經費撥付、結報及報告繳交均依本部專題研究計畫作業要點及相關規定辦理。
- (九) 年度所需經費如未獲立法院審議通過或經部分刪減，科技部得依審議結果調減補助經費，並按預算法第五十四條規定辦理。

十二、聯絡人

科技部(MOST)

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9th Polish-Taiwanese/Taiwanese-Polish Joint Research Call

Call Text

I. Objectives of the call

The National Centre for Research and Development (NCBR), Poland and the Ministry of Science and Technology of Taiwan (MOST) have established a joint research call with the purpose of developing and strengthening mutual scientific cooperation between Polish and Taiwanese research teams from laboratories and centres supported by the NCBR and the MOST as well as private enterprises that meet the call criteria

The aims of the cooperation are as follows:

- Enhancing Polish-Taiwanese communication and cooperation;
- Increasing and developing high quality research networking between researchers;
- Developing new partnerships and strengthening existing ones;
- Exchanging existing knowledge and creating new knowledge;
- Enhancing level of science and technology in both countries;
- Increasing impact of Polish and Taiwanese research activities;
- Strengthen the participation between academia and private business actors in Poland and Taiwan
- Increase the chances of successful commercialisation of research results,
- Improve the competitive position of Polish and Taiwanese enterprises on world markets

II. Eligibility

Proposals may be submitted by public and/or private entities that are eligible to participate in the call according to the respective funding regulations of the funding institutions. These can be public/ private research institutions and higher education institutions.

Potential applicants are advised that the 2021 Call will be run in two separate paths. Path 1 is aimed at research institutions and consortia thereof and Path 2 is aimed at enterprises and teams comprised of enterprises and research institutions. The two paths will be subject to different sets of rules and criteria, as described below.

Path 2 Taiwan: Consortium consisting of one of the below listed research institutes and private enterprises is invited.

1. Universities
2. National Applied Research Laboratories (NARLabs)
3. Research Institutes recognized to apply for MOST funding

The call is open to the following research areas.

For Path 1 and Path 2:

1. Neuroscience
2. Energy efficiency technologies, including air-conditioning, refrigeration, thermal energy technologies
3. Materials science and engineering
4. Smart Vehicles (including AI and electromobility)
5. Quantum technology and Cybersecurity

III. Funding



Project partners will be funded by the funding institutions of the respective partner countries (Poland and Taiwan). The projects will be supported with grants of the national budget in accordance with the respective national funding regulations. The final selection shall be based upon the joint decision by the funding institutions. The applicable awarding institution will base its decision on the national evaluation procedure of proposals and within the scope of the available budget.

For Path 1: Each project may be supported with a maximum amount of 30.000 EUR per year for a period of up to 3 years, by each of the funding institutions.

For Path 2: Each project may be supported with a maximum amount of 100.000 EUR per year for a period of up to 3 years, by each of the funding institutions.

The eligible cost in the call are the following:

- personnel,
- equipment,
- consumables,
- travel,
- subcontracting,
- other costs.

The detailed information about the cost categories is included in the national regulations.



IV. Composition of consortia

Participation is open to applicants from the funding countries (Poland and Taiwan).

For Path 1: possible applicants include research institutions on the Polish side, and research institutions on the Taiwanese side.

For Path 2: possible applicants include obligatorily small and medium enterprises and optionally research institutions on the Polish side, and enterprises and obligatory research institutions on the Taiwanese side.

Necessary precondition for eligibility is involvement of Polish and Taiwanese entities. The level of contribution to the overall project costs should not be less than 25% for each country.

The funding institutions expect that the bilateral cooperation covered by the scope of this funding, will deliver significant synergy effects within the framework of projects to be funded. Proposals must therefore make clear why they should be developed cooperatively between the participating countries and what the added value will be created through this collaboration. Projects that do not indicate why this cooperation is necessary cannot be considered.

The call targets existing research contacts between Poland and Taiwan in order to prepare joint project proposals as well as new partnerships between Polish and Taiwanese researchers and entrepreneurs.

Projects have to involve at least one Polish and one Taiwanese partner. The application has to present researchers involved in the project as well as clear division of responsibilities among the consortium members. An individual researcher may participate in only one project proposal.

V. Submission of applications

For each proposal, project partners have to choose from among themselves one Taiwanese and one Polish Project Leader - an entity formally responsible for submitting the proposal on behalf of all project partners. The responsibilities of the Project Leaders are to keep the other project partners updated on the submission process, to ensure the internal management and coordination of the project.

There is a one-level procedure for submission of proposals. Each proposal shall comprise a project description and further formal and financial information according to the required form.

A grant application must be submitted by Polish Project Leader to the following email address in NCBR: taiwan@ncbr.gov.pl and by a Taiwanese Project Leader through the MOST electronic system **no later than 31st July 2021**. Submissions received after the deadline will not be processed.

Submitted Applications have to be identical and filled in English.

The timeline for the call:

Application procedure	Launch of the call/ invitation for proposals	May 1st 2021
	Deadline for submitting of proposals	July 31 st 2021
	Deadline for evaluation of proposals	October 30 th 2021
	Selection/ranking of projects for funding	November 2021
	Deadline for national funding decisions	January 31 th 2021
Project	Earliest start of projects	January 2021

VI. Evaluation procedure

The proposals will be evaluated according to the national regulations of the funding institutions. The final decisions on what projects to support will be made by the funding institutions based on evaluations from the external experts, national priorities and funding criteria. The evaluation process includes three steps:

1. Eligibility check

The following general eligibility criteria will be checked:

- appropriate length of the proposal,
- inclusion of all necessary information,
- eligibility of the Principal Investigators,
- eligibility of other project partners,
- participation of researchers from both Poland and Taiwan,
- eligibility of required funding,
- accordance between national application forms submitted by the Taiwanese partners to the MOST and the Polish partners to the NCBR. In case of any discrepancy between the two, the partners will be called to present an explanation.

2. Peer review

Independent scientific experts will carry out the anonymous peer review of the eligible project proposals according to evaluation criteria. Each proposal will be evaluated by three Taiwanese and three Polish peer reviewers.

The evaluation is done based on the following criteria:

- 
- A. Coherence with the call topic;
 - B. Scientific excellence and originality of the proposal:
 - originality of project idea,
 - innovative potential,
 - quality (sound concept, appropriate methods, quality of objectives).
 - C. Feasibility, quality and efficiency of the project plan:
 - effectiveness of the methodology,
 - feasibility (governance, adequate budget, resources, time schedule),
 - investigators' knowledge and experience in the field of research: scientific track–record, publications in scientific journals,
 - relevance and strengths of partners (including resources and infrastructure),
 - standing of the organisation the applicants belong to.
 - D. For Path 1: potential impact and contribution to the scientific community, expected exploitation of the results:
 - intended short-term outcomes,
 - intended long-term impacts.For Path 2: Potential commercialisation prospects; expected commercial exploitation of results:
 - intended short-term outcomes,
 - intended long-term impacts.
 - E. Bilateral cooperation and transnational added value:
 - cohesion of the proposed research,
 - level of the collaborative interaction between project partners,
 - sustainability of the expected collaboration.
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All proposals are assessed whether they fit the description of the thematic research priorities. If a proposal is not coherent with the programme theme it will be rejected from further evaluation.

3. Council

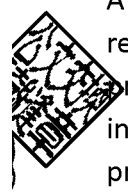
A council consisting of experts appointed by the NCBR and the MOST will discuss the results of the peer review process, review problematic cases and make a final ranking list of the projects to be funded.

VII. Communication of project evaluation decisions

The outcome of the evaluation of the proposals will be communicated to applicants in accordance with the respective communication procedures of the funding institutions.

VIII. Decision process and the start of projects

The formal funding decisions will be taken jointly by the funding institutions after the proposals have been evaluated by the external experts. Each country will fund its own project partners.



When final decisions have been conveyed to project participants, successful applicants must enter into individual contractual agreements with their national funding institutions. A consortium agreement must be concluded between the project partners and has to regulate, inter alia, duties and responsibilities, use of project results and intellectual property rights (IPR) issues. The consortium agreement and the above mentioned individual contractual agreements are prerequisites for the first payments made to the project partners from the national funding institutions. The involved funding institutions will monitor and supervise the funded projects (reporting).

IX. Contact points

Potential applicants are advised to contact the national contact points before writing proposals to carefully check the specific national application and funding conditions.

The respective contact points are:

Contact NCBR:

Mr. Konrad Kosecki

tel.: +48 22 39 07 460

e-mail: konrad.kosecki@ncbr.gov.pl

Contact MOST:

Ms. Jennifer Hu

Tel +886-2-2737-7560

e-mail: jenhu@most.gov.tw

Contact MOST Division in Prague:

Tel : +420 235 312 716

E-mail : czech@most.gov.tw

