

日期：108年2月21日
便簽 單位：研究發展處

速別：普通件

密等及解密條件或保密期限：

計畫業務組 擬辦：

- 一、文陳閱後，公告於電子公佈欄、本組、本處及本校最新消息，並e-mail副知全校教師知照。
- 二、計畫主持人請於校內申請截止日108年5月28日上午10時前於科技部系統完成線上申請作業，並立即填送「國立中興大學申請科技部研究計畫計畫主持人聲明書」至申請單位(系、所、中心)。
- 三、申請單位須於108年5月29日上午10前至科技部系統列印申請名冊(樣張)1份經單位主管核章後，併同「國立中興大學申請科技部研究計畫申請單位切結書」送至研發處計畫業務組，逾期恕不受理。
- 四、另提醒申請者於提出計畫申請案前，務必更新或確認個人資料(職稱請以人事室核發之正式職稱為準)。
- 五、文存。

會辦單位：

第二層決行		
承辦單位	會辦單位	決行
行政組員 張明芬 0221 1110		
教授兼組長 李思禹 0221 1500		代為決行 教授兼研究發展處長 周濟眾 0221 1500



檔 號：

保存年限：

科技部 函

機關地址：台北市和平東路二段106號
聯絡人：李蕙瑩 研究員
電話：02-2737-7150
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受文者：國立中興大學

發文日期：中華民國108年2月20日

發文字號：科部科字第1080011580號

速別：普通件

密等及解密條件或保密期限：

附件：如文(附件1 108U0P001707_108D2004412-01.pdf、附件2 108U0P001707_108D2004413-02.doc、附件3 108U0P001707_108D2004414-02.odt)

主旨：本部「臺灣-拉脫維亞-立陶宛(臺拉立)三邊協議擴充增值國際合作研究計畫」自108年3月1日起受理申請，請於108年5月31日前函送本部，逾期不予受理，請查照轉知。

說明：

- 一、依本部與拉脫維亞及立陶宛二國教育及科學部所簽訂三邊科技合作協議，共同徵求旨揭計畫。
- 二、本部補助雙邊協議國際合作研究計畫自2018年起改以「擴充增值」方式辦理，並主動增核國際合作主持費，詳見本部107年5月8日科部科字第1070030797號函。
- 三、申請本公告計畫須由三方計畫主持人共同研議完成，並分別向本部及拉、立二方教育及科學部提出申請案。任一受理方未收到申請書，則合作案無法成立。
- 四、本公告計畫之執行期程自109年1月1日開始，以三年期計畫為原則。
- 五、本公告計畫之補助係由三邊協議機構共同選定，本部將補助擴充增值國際合作經費，未獲補助案件恕不受理申覆。
- 六、檢送本公告計畫之公開徵求計畫申請須知、英文申請表



裝

訂

線

國立中興大學

第1頁，共16頁
線上簽核文件列印 - 第2頁/共17頁



1080002936 108/02/20

如附件(共二件)，本部網站計畫徵求專區<https://www.most.gov.tw/folksonomy/rfpList>。

七、本案聯絡人：

(一)相關計畫內容詢問，請洽本部科國司李蕙瑩研究員，
電話：(02) 2737-7150。

(二)有關系統操作問題，請洽本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305單位)

副本：駐德國代表處科技組



部長陳良基

訂

線

2020-2022 年臺灣-拉脫維亞-立陶宛(臺拉立)三邊協議 擴充加值(add-on)國際合作研究計畫 申請須知

2019/2/14

為推動國內學術發展暨促進與拉脫維亞及立陶宛之學術合作，本部改制前(國科會)於 2000 年與該二國教育及科學部簽訂合作綱領，成立共同基金以補助三邊合作計畫，2001 年執行以來已補助近 40 件多年期計畫。2020 年度合作計畫即日起開始接受申請。

本項臺拉立三邊合作計畫不限合作領域，惟須由臺灣、拉脫維亞及立陶宛三國各一位主持人組成一個研究群，共同完成並提出英文合作計畫書，且分別提送相關主管單位審查。任一方未收到申請書，則合作案無法成立。其中我方主持人應依本公告所述方式向本部申請「擴充加值型(add-on)國際合作研究計畫」，本部將主動增核國際合作主持費。

本項徵件之重點說明如下：

一、申請資格：

(一) 臺方計畫主持人應符合下列資格條件

1. 以刻正執行本部補助專題研究計畫(以下簡稱「原計畫」)主持人為限。(不含規劃推動計畫、雙邊協議國合計畫及產學合作計畫。)

(二) 拉、立二方計畫主持人依各該國家教育及科學部規定辦理。

(三) 曾於 2015-2018 年申請本項國際合作計畫並獲得補助之研究團隊，不得提出申請。

二、合作領域：

所有基礎科學及應用研究領域，區分為：自然科學(Natural sciences)、工程技術(Engineering and technology)、醫藥及健康科學(Medical and health sciences)、農業科學(Agricultural sciences)及人文社會科學(Social sciences and humanities)等五大類。

三、計畫類型：

本部補助雙邊協議型擴充加值國際合作研究計畫，由三方組成之合作研究團隊共同合作進行本項研究計畫。

四、補助經費項目及分擔方式：

(一) 補助計畫以三年期計畫為原則，臺拉立三方各自負擔合作計畫所需之研究經費。

(二) 我方補助「擴充加值」國際合作經費與原計畫經費總和，以每年新臺幣 80 萬元為原則。(自然、工程、生科領域：每項計畫每方每年各約 2,5000

美元；人文及社會科學領域：每項計畫每方每年各約 20,000 美元。）

- (三) 本部補助經費項目包括：國際合作主持費(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)。

五、計畫作業時程：

- (一) 申請日期：自 **2019 年 3 月 1 日起至 5 月 31 日止**，申請機構須於截止日期前由系統彙整送出，並依第六點申請方式第(四)項所述函送本部。
- (二) 公告核定日期：2019 年 12 月
- (三) 計畫執行期間：自 2020 年 1 月 1 日至 2022 年 12 月 31 日

六、申請方式：

- (一) 每項申請案須由臺灣、拉脫維亞及立陶宛三方各一位計畫主持人共同研議計畫內容後，分別向本部及拉、立二國教育及科學部提出申請。
- (二) 臺方計畫主持人向科技部提出線上申請時，應另備臺拉立共同合作研究英文計畫書、拉立二方主持人履歷及近五年著作列表、拉立方參與人員履歷資料等，彙整為單一 PDF 檔案(表 IM04)，並依指示上傳至國合計畫申請系統。
- (三) 請依循本部專題研究計畫之申請程序，於本部「雙邊協議擴充加值(add-on)國際合作計畫」線上系統填列計畫申請書。申請程序如下：

1. 至本部網站(<https://www.most.gov.tw/ch/academic>) 首頁右方「學術研發服務網登入」處，身份選擇「研究人員(含學生)」，輸入申請人之帳號(ID)及密碼>Password)後進入「學術研發服務網」。
2. 在左方「功能選單」點選「學術獎補助申辦及查詢」後，進入下一畫面。
3. 在「申辦項目」內點選「專題計畫」工作頁後，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)」項目，進入「專題研究計畫線上申請系統」。
4. 在專題計畫線上申請系統上方點選「新增申請案」，在計畫類別「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。
5. 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。
6. 專題計畫基本資料表(CM01)之計畫名稱，請修正為本項國際合作研究計畫名稱。
7. 申請人填列表 IM01 之「合作國家」請選「與多國合作」，主要國家請選填「396-拉脫維亞」，其他參與國家請選填「398-立陶宛」；「外國合作計畫經費來源」為本部雙/多邊協議機構，並選填「079-拉脫維

亞教育科學部及立陶宛教育科學部」。

8. 申請表 IM04 屬檔案附錄之上傳功能鍵，請將本項申請案之共用英文申請表（如公告附件）、拉立二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。
 9. 請依系統指示上傳申請人執行中原計畫之「申請書合併檔」及「經費核定清單」，未上傳者視為申請資料不全。
- (四) 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，並依計畫歸屬司別列印）一式二份，於 2019 年 5 月 31 日前函送本部。



七、審查重點

- (一) 合作研究內容之卓越性(Excellence)
- (二) 合作研究成果對社會及大眾之影響性(Impact)
- (三) 合作研究團隊之執行品質及效率(Quality and efficiency of the implementation)

八、期中評量

- (一) 計畫主持人必須於第一年及第二年計畫結束時繳交第一年及第二年進度報告，俾本部審查並據以核撥第二年及第三年計畫經費。
- (二) 若第一年或第二年進度報告未獲審查通過，本部得不予撥付第二年或第三年計畫經費。若係德方不滿意第一或第二年進度報告內容，本部得另行評估是否繼續補助第二或第三年計畫。

九、注意事項：

- (一) 本項共同研究計畫須經本部與德國研究基金會雙方獨立審查通過，並經共同討論選定後始成立並予以補助。
- (二) 如具以下情況之申請案恕不受理：
 - (1) 雙方計畫主持人中有任一方未提出計畫申請書；
 - (2) 申請日期超過公告截止日期；
 - (3) 申請資料不全；
 - (4) 研究團隊於 2015-2018 年曾申請本項國際合作計畫並獲得補助者。
 - (5) 未依本會專題作業規定提出。
- (三) 本案通過之「擴充增值型國合研究計畫」為申請人執行中原計畫之擴充增值，追加國際合作經費，可不受本部一般專題計畫補助件數之限制。惟計畫主持人同年度執行此類雙邊協議國際合作研究計畫(Joint Call)，以二件為限。倘計畫主持人於 2019 年已執行 2 件此類計畫(指計畫執行期限內與本次徵求案預定執行期間重疊達 3 個月以上)者，不得再提出



本項計畫申請；若計畫於受理審查過程中，主持人另獲此類計畫達 2 件時，本部將不再核予此第 3 件。

- (四) 計畫核定後之經費撥付、報銷與報告繳交作業，均依本部補助專題研究計畫作業要點及本部補助雙邊科技合作補助原則等規定辦理。
- (五) 雙方計畫主持人應於每年計畫執行期限結束前(後)提供期中(期末)報告，作為下一年度計畫經費補助之參考，並據以評估每項計畫之合作成效。
- (六) 雙方計畫主持人於規劃合作時，應先議定未來雙方智慧財產權與成果之歸屬、管理及運用方式，必要時可共同簽訂相關計畫合約書。

十、承辦人聯繫資料：

臺方：

科技部 科教及國際合作司 李蕙瑩研究員
電話：+886-2-2737-7150
Email: vvlee@most.gov.tw

駐德國代表處科技組 賴銘森秘書
電話：+49-(0)228-302-304
Email: mslai@most.gov.tw

拉、立方：

拉立二方聯絡人：

<http://www.smm.lt/web/en/the-scientific-cooperation-of-latvia-lithuania-and-taiwan/national-contact-point>

臺拉立研究計畫英公告網址：

http://www.dfg.de/en/research_funding/programmes/individual/research_grants/forms_guidelines/index.html





**MUTUAL FUNDS
TAIWAN – LATVIA - LITHUANIA
COOPERATION PROJECT APPLICATION**

Year 2020-2022

Title of the research project in English and local language

Research area of the project

- | | |
|---|--|
| 1 <input type="checkbox"/> Medicine and medical equipment, research in the fields of biotechnology and agriculture, bioengineering and genetics | 5 <input type="checkbox"/> Information and new production technology (laser and radiation technology, precision mechatronics, robotics, plasma technology) |
| 2 <input type="checkbox"/> Energy and resource saving and environmentally friendly technology, new sources of energy | 6 <input type="checkbox"/> Nanophysics, nanoelectronics, and nanotechnology |
| 3 <input type="checkbox"/> New materials and structures, including chemical compounds | 7 <input type="checkbox"/> Social science and humanities |
| 4 <input type="checkbox"/> Ecology and rational use of natural resources | 8 <input type="checkbox"/> Other (please indicate) |
- Please leave only one indicative item*

Principal Investigators:

In Taiwan

Title (Dr., Assoc.Prof., Prof., etc.)
Name, Family name, contact information
Institution:
Contact information:

In Latvia

Title (Dr., Assoc.Prof., Prof., etc.)
Name, Family name, contact information
Institution:
Contact information:

In Lithuania

Title (Dr., Assoc.Prof., Prof., etc.)
Name, Family name, contact information
Institution:
Contact information:

Year

/Cover Page/



1. RESEARCH PLAN (a maximum of 7 pages is allowed)

The plan should contain the following information:

1.1. Project abstract

Objective and short description of the research of the consortium (*summary of research plan*)



2. Background and objectives



Background

Background and significance of the research nationally and internationally, as well as previous research pertaining to the topic; what is the potential of consortium for contributions to the advancement of science or technology

Objectives and hypotheses

Explain the concept of your project. Describe the state-of-the-art in the area concerned, and the advance that the proposed project would bring about. What are the main ideas that led you to propose this work? Describe in detail the S&T objectives. The objectives should be those achievable within the project, not through subsequent development. They should be stated in a measurable and verifiable form. If applicable, refer to the results of any patent search you might have carried out.

1.3. Work plan, methods and material

Planned work stages, calendar and research methods to be used

(Describe the overall strategy of the work plan. A detailed work plan, broken down into activities, should follow the logical phases of the implementation of the project, and include project management and report of progress and results. Describe any significant risks, and associated contingency plans. The planning should be explicitly detailed to justify the proposed effort and allow progress monitoring.



2. FINANCIAL PLAN (no more than 10 pages)

2.1. Budget request

Funding should be planned of up to USD 25 000 per year per each national research team involved in life sciences and engineering sciences project and up to 20 000 USD – in humanities and social sciences.

Industrial and other partners are welcomed to be involved in the project. In such case their financial contribution should be included in the budget of the project.

Indicate the costs of the project by type of expenditure and by year (in table form).

Estimated costs for 20...-20...(up to 3 years) _____ USD;

Costs for 20...year*	Latvian research team	Lithuanian research team	Taiwanese research team
Personnel			
Subcontracting			
Consumables			
Equipment			
Travels/visits			
Organisation of joint seminars/meetings in home country			
Other costs			
<i>Indirect costs</i> <small>(up to 10 % of the project cost)</small>			
TOTAL (USD/ exchange to national currency)			
Other sources, <i>int. al.</i> industries			

****Costs should be indicated for each respective year of the project implementation***

2.2. Visiting plan

2.3. Financing history

Have the participants of the project ever received financing from Latvian-Lithuanian-Taiwanese Mutual Funds?

Yes

No

If Yes, please specify relevant details, e. g.:

Project Title

Project implementation years

Project partners

2.4. Financing requested (or received) for this project (for the implementation of scientific research) from other sources (please specify the source and the financing to be received).
Recommendations provided by organisations and companies concerned, which guarantee partial financing for the project and further joint use of the intellectual property in question in the area of production (please attach *a Letter of Intent or Confirmation* and other affirmation, if available, e. g. agreements, contracts, guarantee letters etc.)



3. RESEARCH TEAMS

3.1. Research team members (indicate the members of each research team, including doctoral/master's students participating in the project)

Latvian research team:

Lithuanian research team:

Taiwanese research team:

3.2. Collaboration between research groups: distribution of work and tasks relevant to the project, form of collaboration, description of how the project benefits from collaboration; available research environment, including equipment; description of any research activities in partner country, e.g. how a visit ties in with the research plan, objectives of a visit

3.3. Added value generated by consortium cooperation (in general and for the partners)

4. OUTPUT

4.1. Training for young researchers

(Does this project serve for the training of any other persons? Will any joint doctoral studies programme be created and will scientific theses or papers be written during the project? If yes, please specify given names and surnames of doctoral studies students and the topics of their research)

4.2. Expected results of the project: Publications, articles, organisation of seminars and training; economic, social, and industrial assessment; applicability and feasibility of the research results, current or expected prospects in the industrial field if applicable; international prospects (*current or planned participation in FP7, other international programmes or projects*)

4.3. Intellectual property (IP), if applicable:

Scientists are encouraged to take all reasonable steps in order to protect the intellectual and scientific property raised in the frame of the project and the possible transfer of new technology to other parties.

Provide description information on the management of envisaged IP.



5. SIGNATURES OF THREE PRINCIPAL INVESTIGATORS and HEADS OF THE INSTITUTIONS

(Degree, name, family name, research institution, city)

Date

/6 Signatures/

6. APPENDICES:

6.1. Curricula vitae for each principal investigator (*no more than 4 pages/researcher*)

6.2. Personal merits and achievements of research team members:

Significant publications by PIs and research team members (over the past 5 years) (please specify a maximum of 5 publications for each team). For each publication the following information should be provided: title, authors and publication year, title of the scientific journal, its number and pages)

Citing of publications by project participants in foreign journals (over the past 5 years) (i.e. Thomson Reuters Web of Science).

- Other relevant information

6.3. Not obligatory but if relevant, the list of names and contact information for five recommendable external reviewers (not representing Latvia, Lithuania and Taiwan) and at least three unadvisable external reviewers





**MUTUAL FUNDS
TAIWAN – LATVIA - LITHUANIA
COOPERATION PROJECT APPLICATION**

Year 2020-2022

Title of the research project in English and local language

Research area of the project

1 <input type="checkbox"/> Medicine and medical equipment, research in the fields of biotechnology and agriculture, bioengineering and genetics	5 <input type="checkbox"/> Information and new production technology (laser and radiation technology, precision mechatronics, robotics, plasma technology)
2 <input type="checkbox"/> Energy and resource saving and environmentally friendly technology, new sources of energy	6 <input type="checkbox"/> Nanophysics, nanoelectronics, and nanotechnology
3 <input type="checkbox"/> New materials and structures, including chemical compounds	7 <input type="checkbox"/> Social science and humanities
4 <input type="checkbox"/> Ecology and rational use of natural resources	8 <input type="checkbox"/> Other (please indicate)

Please leave only one indicative item

Principal Investigators:

In Taiwan

Title (Dr., Assoc.Prof., Prof., etc.)
Name, Family name, contact information
Institution:
Contact information:

In Latvia

Title (Dr., Assoc.Prof., Prof., etc.)
Name, Family name, contact information
Institution:
Contact information:

In Lithuania

Title (Dr., Assoc.Prof., Prof., etc.)
Name, Family name, contact information
Institution:
Contact information:

Year

/Cover Page/

1. RESEARCH PLAN (*a maximum of 7 pages is allowed*)

The plan should contain the following information:

1.1. Project abstract

Objective and short description of the research of the consortium (*summary of research plan*)

1.2. Background and objectives

Background

Background and significance of the research nationally and internationally, as well as previous research pertaining to the topic; what is the potential of consortium for contributions to the advancement of science or technology

Objectives and hypotheses

Explain the concept of your project. Describe the state-of-the-art in the area concerned, and the advance that the proposed project would bring about. What are the main ideas that led you to propose this work? Describe in detail the S&T objectives. The objectives should be those achievable within the project, not through subsequent development. They should be stated in a measurable and verifiable form. If applicable, refer to the results of any patent search you might have carried out.

1.3. Work plan, methods and material

Planned work stages, calendar and research methods to be used

(Describe the overall strategy of the work plan. A detailed work plan, broken down into activities, should follow the logical phases of the implementation of the project, and include project management and report of progress and results. Describe any significant risks, and associated contingency plans. The planning should be explicitly detailed to justify the proposed effort and allow progress monitoring.

2. FINANCIAL PLAN (no more than 10 pages)

2.1. Budget request

Funding should be planned of up to USD 25 000 per year per each national research team involved in life sciences and engineering sciences project and up to 20 000 USD – in humanities and social sciences.

Industrial and other partners are welcomed to be involved in the project. In such case their financial contribution should be included in the budget of the project.

Indicate the costs of the project by type of expenditure and by year (in table form).

Estimated costs for 20...-20...(up to 3 years) _____ USD;

Costs for 20...year*	Latvian research team	Lithuanian research team	Taiwanese research team
Personnel			
Subcontracting			
Consumables			
Equipment			
Travels/visits			
Organisation of joint seminars/meetings in home country			
Other costs			
<i>Indirect costs</i> <i>(up to 10 % of the project cost)</i>			
TOTAL (USD/ exchange to national currency)			
Other sources, <i>int. al.</i> industries			

**Costs should be indicated for each respective year of the project implementation*

2.2. Visiting plan

2.3. Financing history

Have the participants of the project ever received financing from Latvian-Lithuanian-Taiwanese Mutual Funds?

Yes

No

If Yes, please specify relevant details, e. g.:

Project Title

Project implementation years

Project partners



2.4. Financing requested (or received) for this project (for the implementation of scientific research) from other sources (please specify the source and the financing to be received).
Recommendations provided by organisations and companies concerned, which guarantee partial financing for the project and further joint use of the intellectual property in question in the area of production (please attach *a Letter of Intent or Confirmation* and other affirmation, if available, e. g. agreements, contracts, guarantee letters etc.)

3. RESEARCH TEAMS

3.1. Research team members (indicate the members of each research team, including doctoral/master's students participating in the project)

Latvian research team:

Lithuanian research team:

Taiwanese research team:

3.2. Collaboration between research groups: distribution of work and tasks relevant to the project, form of collaboration, description of how the project benefits from collaboration; available research environment, including equipment; description of any research activities in partner country, e.g. how a visit ties in with the research plan, objectives of a visit

3.3. Added value generated by consortium cooperation (in general and for the partners)

4. OUTPUT

4.1. Training for young researchers

(Does this project serve for the training of any other persons? Will any joint doctoral studies programme be created and will scientific theses or papers be written during the project? If yes, please specify given names and surnames of doctoral studies students and the topics of their research)

4.2. Expected results of the project: Publications, articles, organisation of seminars and training; economic, social, and industrial assessment; applicability and feasibility of the research results, current or expected prospects in the industrial field if applicable; international prospects (*current or planned participation in FP7, other international programmes or projects*)

4.3. Intellectual property (IP), if applicable:

Scientists are encouraged to take all reasonable steps in order to protect the intellectual and scientific property raised in the frame of the project and the possible transfer of new technology to other parties.

Provide description information on the management of envisaged IP.

5. SIGNATURES OF THREE PRINCIPAL INVESTIGATORS and HEADS OF THE INSTITUTIONS

(Degree, name, family name, research institution, city)

Date

/6 Signatures/

6. APPENDICES:

6.1. Curricula vitae for each principal investigator (*no more than 4 pages/researcher*)

6.2. Personal merits and achievements of research team members:

- Significant publications by PIs and research team members (over the past 5 years) (please specify a maximum of 5 publications for each team). For each publication the following information should be provided: title, authors and publication year, title of the scientific journal, its number and pages)
- Citing of publications by project participants in foreign journals (over the past 5 years) (i.e. Thomson Reuters Web of Science).
- Other relevant information

6.3. Not obligatory but if relevant, the list of names and contact information for five recommendable external reviewers (not representing Latvia, Lithuania and Taiwan) and at least three unadvisable external reviewers

