

2 各區域經費分配規劃

秘書處營運計畫預算額度：
5,000萬

國家重點領域國際合作聯盟(UAAT)
(合計新台幣 2億5,000萬)

海外基地預算額度：2億 (1億6,000萬用於領域合作、4,000萬用於華語交流)



NT\$ 13M =
2024 Admin & PI Travel: NT\$3M
2024/12 – 2025/11 Research: NT\$10M

**目前所列預算為暫列，若各區域/領域合作計畫推動進度不如預期或有所變動，或教育部大學聯盟推動政策有所調整，尚可能作彈性調整。
**各領域召集學校可另向聯盟秘書處申請行政業務費

國家重點領域國際合作聯盟 (UAAT)計畫提案方式與程序

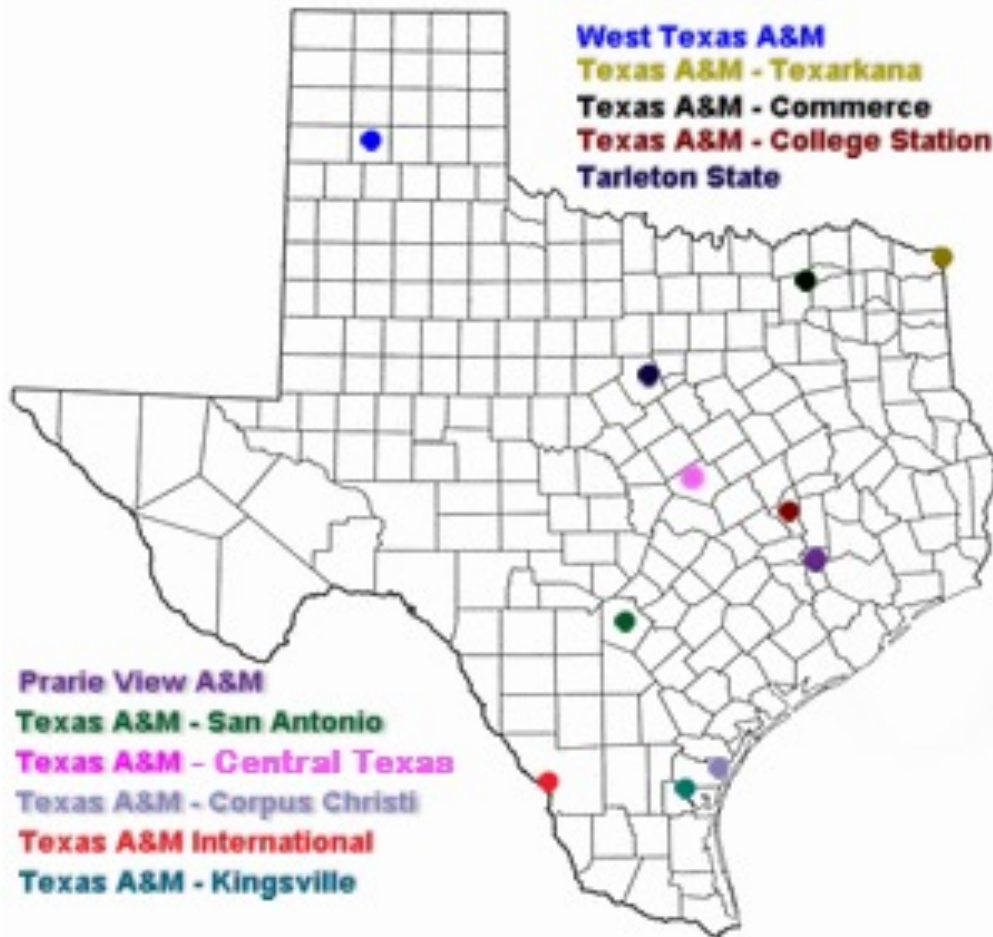
1. 目前12所UAAT盟校各自擔任一個領域召集學校
2. 每個領域由召集學校公開徵件，每一所盟校都可以申請
3. 雖然是不同領域各自徵件，其實方式相似
4. 台大徵求單一整合型(480萬)；其餘11領域應只徵求子計畫 (200萬)
5. 計畫執行期間：自113年12月01日至114年11月30日。
6. 計畫申請期間
 - 台大：自113年08月01日至09月20日截止。
 - 其餘領域：自113年08月01日至09月01日截止 (各領域須將子計畫整合為單一整合型)
 - 9/30前，所有整合型計畫送到 "教育部專家顧問諮詢審查會議"

University Academic Alliance of Taiwan (UAAT) Proposal Procedure

1. All 12 UAAT Member institutions currently serve as convener for one specific discipline.
2. Convening institution for each discipline issues Announcement of Opportunity open to all UAAT institutions.
3. Each discipline will have an independent call for proposals, but with a similar overall methodology.
4. NTU issuing call for single integrated project (NT\$4.8M); remaining 11 disciplines issuing calls for sub-projects (NT\$2M).
5. Period of Execution: 2024/12/01 to 2025/11/30.
6. Application Period:
 - NTU: 2024/08/01 to 2024/09/20.
 - Other Disciplines: 2024/08/01 to 2024/09/01 (Sub-projects for each discipline to be integrated into single project by convening institution).
 - All proposals to be submitted to Ministry of Education Professional Consultation and Review Committee before 2024/9/30.



Texas A&M System (TAMUS)



- One of the 7 state university systems of Texas. Independent and not affiliated with the University of Texas (UT) System.
- Flagship campus at College Station, Texas.
- Budget: \$6.3M
Students: 153,000

TAMUS Report



- TAMUS 剛獲得德州州政府補助在 NASA Johnson Space Center 隔壁成立新的大學太空中心，並邀請召集人參加 2023/11/28 的 Texas A&M Space Exploration Workshop 介紹本聯盟就太空科技方面的主要研發構想，主軸是快速介紹主要題目、背景、以及共同合作可對 TAMUS 產生的好處。
- TAMUS 已針對太空 AI 及太空輻射對電子與生物組織影響與 UAAT 進行多次接觸與討論。
- UAAT 會員學校中大應邀 TAMUS 加入該校 [Invent for the Planet 跨校競賽](#)，研擬籌劃區域競賽加強雙邊學生交流。
- 2024/9/5, 6 配合駐美大使參訪，UAAT 子計畫 PI 再次拜訪 TAMUS 交流。

TAMUS Report



- TAMUS received support from the State of Texas to build a new university space center adjacent to NASA Johnson Space Center. NCU convener was invited to introduce UAAT at the Texas A&M Space Exploration Workshop on 2023/11/28, as well as to explore topics of common interest and possible benefits to TAMUS.
- TAMUS already in advanced stages of discussion with UAAT on space applications of AI, space radiation effects on electronics and biological organisms.
- UAAT Member NCU invited by TAMUS to join in [Invent for the Planet](#) competition as possible venue to enhance student exchanges.
- Planning visit for PIs of nominated sub-projects to TAMUS on 2024/9/5, 6, in conjunction with visit of Taiwan ambassador to the US for additional networking and showcasing of preliminary collaborations.

太空科技子計畫徵求條件

- 計畫執行期間：自113年12月01日至114年11月30日。
- 獲選子計畫提案須由招集學校合併以單一整合型團隊計畫提出。
- **基本條件**：各子計畫申請案須至少包含2所 UAAT 聯盟成員學校、1位 PI 為 TAMUS 成員單位。
 - 每個子計畫 2 名主持人 (PI)：
 - 1名須於計畫執行期間為 UAAT 所屬學校/單位之編制內專任教研人員。
 - 1名須為 TAMUS 編制內專任教研人員。
 - UAAT 及 TAMUS 可另外增加多名 Co-PI，但不接受非以上兩單位之編制人員。
 - 各 PI / Co-PI 需針對子計畫遞交 Letter of Support，正式同意擔任該子計畫 PI / Co-PI 並定義工作角色。
- 本整合型計畫徵求子計畫，子計畫經費以新台幣 2,000,000 到3,000,000元為原則。核定計畫案件數與金額，將考量審查結果及整體預算後核定。

未滿足基本條件之計畫書將不考慮。

Space Technology Sub-Project Requirements

- Project Execution: 2024/12/01 to 2025/11/30.
- Selected sub-projects to be integrated into single integrated project by convening institution.
- **Core Requirements:** All sub-project proposals must have PI/Co-PIs representing at least 2 UAAT member institutions, 1 TAMUS PI.
 - 2 PIs:
1 PI shall be a full time UAAT institution faculty or research staff member. 1 PI shall be a TAMUS faculty or research staff member.
 - Additional Co-PIs may be added from UAAT and TAMUS. No Co-PIs not from the above institutions are allowed.
 - All PIs / Co-PIs must submit a Letter of Support for their sub-project, formally agreeing to serve as PI / Co-PI, while defining their contributions.
- Each sub-project budget is recommended to be in the range of NT\$2M to NT\$3M. The number of sub-projects that will be accepted, as well as their allocated budgets depends upon review results and the overall budget available.

Proposals not satisfying the core requirements will not be considered.

太空科技子計畫審查條件

- 評估條件比照計畫書 4. Expected Outcomes of the Integrated Collaboration Project:
 - Joint Research Activity、Students and Faculty Exchange、Internship Programs、Short-Term Courses/Intensive Courses/Workshops & Academic Conferences/Professional Activities、International Industry-Academia Collaboration。
- 除研究合作外，各計畫應包含人才培育及交換之元素(如人才培育及交換之績效指標)。
- 計畫主持人應說明該計畫發展至更大規模計畫之潛力，包含發展前景、藍圖以及預期效益等。
- 包含企業合作夥伴(如企業配合經費、研究R&D之合作、實習等)且具明確規劃之申請案將優先考量。
- 本整合型計畫徵求子計畫，子計畫經費以新台幣 2,000,000 到3,000,000元為原則。核定計畫案件數與金額，將考量審查結果及整體預算後核定。子計畫經審查後將排序。

申請方式：

請詳閱計畫申請書(附件1)及國家重點領域國際合作聯盟整合型計畫提案方式與程序(附件2)。請各子計畫針對自己子計畫的部分填寫申請書並且與輔助檔案在 08 月 09 日前交給中大窗口 林梅萍 mayping@jupiter.ss.ncu.edu.tw。

Space Technology Sub-Project Evaluation Criteria

- Points to be evaluated as stipulated in "4. Expected Outcomes of the Integrated Collaboration Project" in proposal template:
 - Joint Research Activity, Students and Faculty Exchange, Internship Programs, Short-Term Courses/Intensive Courses/Workshops & Academic Conferences/Professional Activities, International Industry-Academia Collaboration.
- Besides research, each proposals is expected to include elements covering student training and exchange, as well as corresponding KPIs.
- Sub-project PIs should explain how their proposed sub-project can further be scaled up, including future prospects, roadmap, and expected benefits.
- Sub-projects that include industry partners (such as matching funds, R&D collaborations, internships... etc) shall have a higher priority.
- Each sub-project budget is recommended to be in the range of NT\$2M to NT\$3M. The number of sub-projects that will be accepted, as well as their allocated budgets depends upon review results and the overall budget available.

Application Method:

Please refer to [Proposal Template \(Appendix 1\)](#) and [UAAT Proposal Procedure \(Appendix 2\)](#). Each sub-project should fill in details on the template corresponding to their sub-project and deliver the sub-project proposal and supporting documents to the NCU point of contact: 林梅萍 mayping@jupiter.ss.ncu.edu.tw before 2024/08/09 for review.

Letter of Support

- 各申請案 PI / Co-PI 須至少包含 2 所 UAAT聯盟成員學校、1所TAMUS成員單位擔任2個 PI 其中一名。
- UAAT 及 TAMUS 各 PI / Co-PI 需針對子計畫遞交 Letter of Support (同意函)，正式同意擔任該子計畫 PI 並定義工作角色。
- Letter of Support 內容：
 - 合作子計畫名稱。
 - 在子計畫扮演的角色，提供的資源。
 - 建議簽名，以示真實性。
- 8/9 與子計畫書一同遞交給招集學校。

October 11, 2023

[REDACTED]
National Central University
Taoyuan City, 320317
Taiwan

I acknowledge that I am identified by name as a collaborator to the investigation, entitled [REDACTED] "proposal that is being submitted to the National Science and Technology Council (NSTC) in Taiwan, and that I intend to carry out all responsibilities identified for me in this proposal.

Key aspects of collaboration under this project include:

- Sharing of GNSS orbit ephemeris data from the [REDACTED] small satellites for orbit determination and thermospheric neutral density estimation purposes.
- Development of the [REDACTED] CubeSat and integration of the [REDACTED] payload to be provided by you for this spacecraft to be fabricated by [REDACTED].
- Sharing of CubeSat and small satellite system and subsystem designs jointly developed under the [REDACTED] consortium.
- Sharing of lessons learned and technical knowhow in terms of spacecraft development, testing, and operations as relating to collaborations under the [REDACTED] consortium, as well as those supported by this proposal.

I understand that the extent and justification of my participation as stated in this proposal will be considered during peer review in determining in part the merits of this proposal, and I agree that the proposal correctly describes my commitment to the proposed investigation.

Sincerely,

[REDACTED]
[REDACTED]
Laboratory of Atmospheric and Space Physics
University of Colorado at Boulder
1234 Innovation Drive, [REDACTED]

Letter of Support

- The PIs / Co-PIs of each sub-project shall include faculty / research staff from at least 2 UAAT institutions, as well as 1 TAMUS faculty / research staff as one of the 2 PIs.
- Each UAAT and TAMUS PI / Co-PI shall provide a Letter of Support indicating their support for this sub-project, as well as their contributions.
- Letter of Support contents:
 - Name of sub-project.
 - Contributions and role to sub-project.
 - Signature highly recommended to indicate authenticity.
- To be delivered along with sub-project proposals on 8/9.

October 11, 2023

[REDACTED]
National Central University
Taoyuan City, 320317
Taiwan

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Laboratory of Atmospheric and Space Physics
University of Colorado at Boulder
1234 Innovation Drive, [REDACTED]