

國家重點領域國際合作聯盟(UAAT)

德州農工大學系統(TAMUS)
農業

計畫構想書徵件說明會

召集學校：國立中興大學

06.26. 2024

1 聯盟推動國際合作事務進度-美國

UI

伊利諾大學系統

- 秘書處偕同UI工作小組已於5月23日上午與UI進行線上工作會議，決定雙方第二輪聯合徵案計畫之細節：
 - 1.徵案目的：為之後Grand challenge計畫做準備。
 2. Co-Funding：UI與UAAT規劃各籌備約60萬美元。
 3. 徵案領域：下一代半導體（+量子）、促進人類福祉的人工智能和數據、永續發展。
 4. 計畫規模：中型計畫，一案最多15萬美元(雙方各7.5萬USD)。
 5. 預計可支持計畫總件數：8案。
 6. 申請截止期限：113年9月30日。後續由雙方進行聯合審查。

UTS

德州大學系統

- 秘書處偕同德州工作小組，於5月22日、28日與UTS召開線上工作會議，會議過程中討論
 - (1) 合作領域：(1)UTS對半導體表達優先合作意願。(2)UAAT提議將醫療保健(healthcare)也納入雙方合作之領域。但都尚待確認。
 - (2) UTS總校長預定於10月20日至28日率團來臺訪問，預計於來訪期間舉辦半天至一天的雙邊論壇會議。

TAMUS

德州農工大學系統

- TAMUS與秘書處於5月14日召開線上工作會議，會議過程中互相介紹雙方合作領域召集學校及召集人，說明領域合作計畫提案時程。並討論TAMUS副總校長及其各合作領域召集窗口預計規劃於今年秋季（約9月-11月期間）訪問臺灣，並規劃舉辦雙方論壇研討會。

2 各區域經費分配規劃

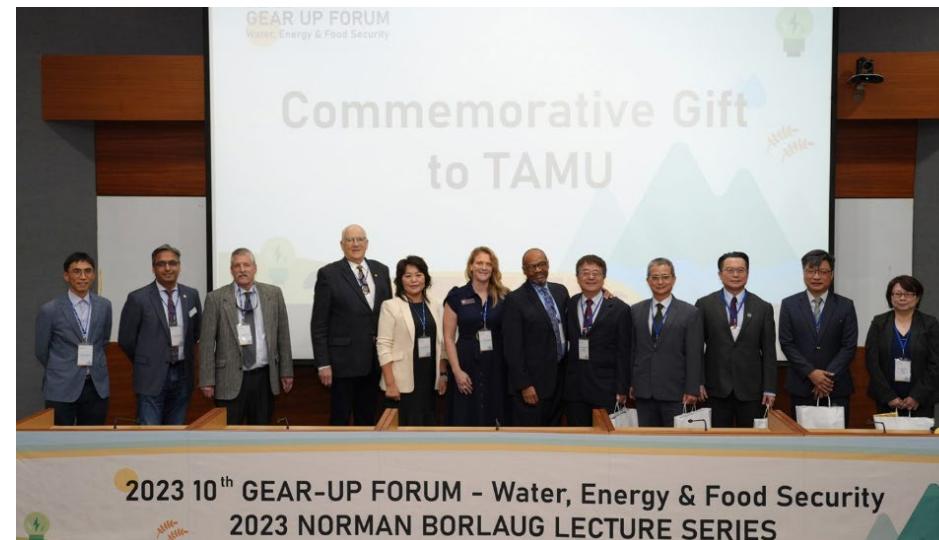
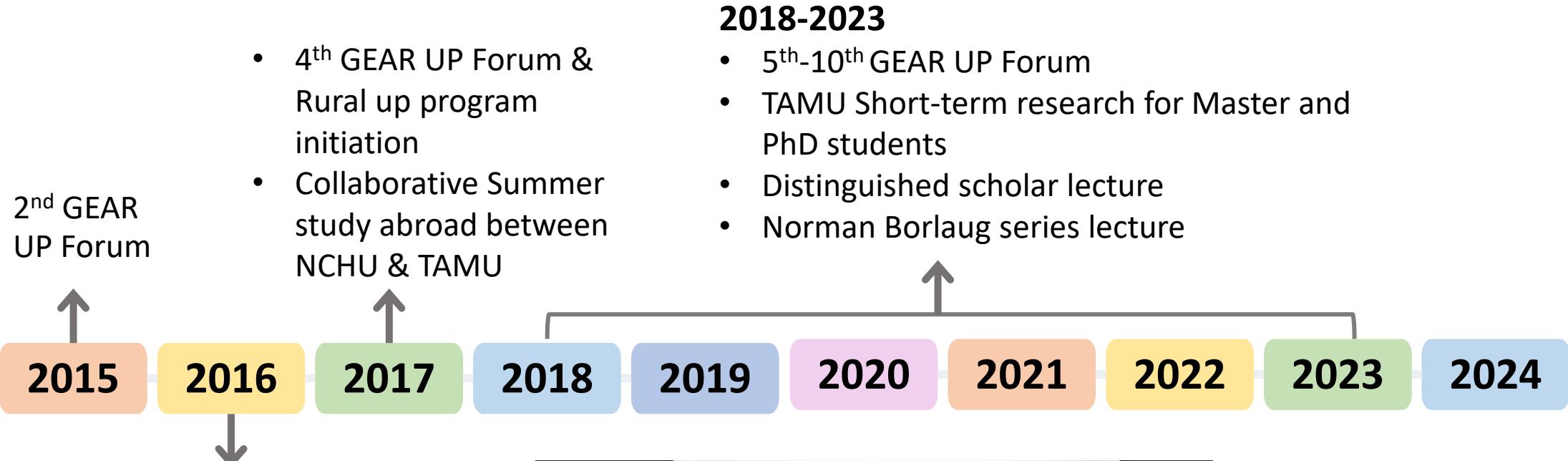
秘書處營運計畫預算額度：
5,000萬

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)



中興大學GEAR-UP農業向上推昇論壇





Meeting with President Young at Texas A&M



Visiting Borlaug Institute



Establish Joint Hub of NCHU and Texas A&M

VI. Operation Strategies of the Joint Hub

1. Procure contracts from collaborators in Taiwan and worldwide on training and education projects and programs.
2. Procure contracts from collaborators in Taiwan and worldwide on research, extension and outreach projects and programs related to ecosystems, agriculture and rural development.
3. Respond to funding opportunities from government agencies of Taiwan on relevant assistance grants, including, but not limited to, Aiming at Top University Program grant from Ministry of Education.
4. Respond to the industry trend and need to develop industry-academic collaborative projects and programs.
5. Jointly seek funding from granting organizations from abroad. Possible sources includes, but not limited to, USAID, USDA, the Gates Foundation, the Rockefeller Foundation, among others.

Joint Hub Agreement between
The International Agriculture Center
National Chung Hsing University
&
The Norman Borlaug Institute for International Agriculture
Texas A&M University

Preamble

Agricultural sustainability is the foundation of the watershed international initiative of "Our Common Future" (OCT). The United States of America and the Republic of China in Taiwan are two lead countries in global agricultural development. National Chung Hsing University (NCHU) and Texas A&M University are two world renowned knowledge hubs on agriculture. Both parties came together and successfully held the 2014 Forum on Global Ecology, Agriculture, and Rural-Uplift Programs, or GEAR-UP for short. One key consensus reached at the forum is the establishment of a joint hub under the auspices of the NCHU International Agriculture Center and the Texas A&M University Borlaug Institute for International Agriculture.

This joint hub shall focus its efforts on addressing issues related to ecology, agriculture and rural development in Taiwan and worldwide. Under this premise, both parties shall conduct exchanges on education, research, experience sharing in the forms of action plans, projects and programs. Such collaborations are aimed at developing solutions on issues related to Taiwan's agriculture and rural development and promoting relevant Taiwan experience and success stories to other countries worldwide.

Date: November 16, 2015

Dr. Shyi-Yih Hwang
Director
The International Agriculture Center
National Chung Hsing University

Dr. Eric Murano
Director
The Norman Borlaug Institute for International Agriculture at Texas A&M University

Chang-Isten Yang
(Contracting Officer)
Dr. Chang-Isten Yang
Vice President
National Chung Hsing University

Dr. Craig Nessler
Director
Texas A&M AgriLife Research
International Agriculture at Texas A&M University

Agreement to establish Joint Hub

人才培育計畫



本校楊念遙同學與美國德州農工獸醫教學醫院心臟科實習學生合影。

NCHU-TAMU International Collaborative Teaching with Dr. Jack Elliot (TAMU faculty) for 5 Consecutive Years (2019-2023)



雙邊合作研究計畫 (歷年)

Agricultural Biotechnology

Identification of Canine genetic diseases

TAMU : Dr. Larry Suva
NCHU : Chien-Kai Wang and Pin-Chi Tang

The regulatory mechanisms of CncC and Keap1 expression against insecticide in *Bactrocera dorsalis*

TAMU : Dr. Patricia V. Pietrantonio
NCHU : Kuang-Hui Lu; Mei-Er Chen

Fast detection of mosquito-borne disease based on a chip-type IR technique

TAMU : Dr. Pao Tai Lin
NCHU : Ching-Chou Wu

The interaction between iron deficiency and light response of plant

TAMU : Dr. Hisashi Koiwa; Dr. Keerti S. Rathore
NCHU : I-Chun Pan

Smart Agriculture Technology

Hyperspectral Imager for UAV

TAMU : Dr. Juan Landivar
NCHU : Yuan Shen, Ming-Der Yang, Long-Jeng Lee

Precision Management for Paddy Rice

TAMU : Dr. Juan Landivar
NCHU : Yuan Shen, Ming-Der Yang, Long-Jeng Lee

Precision Management for Tea

TAMU : Dr. Juan Landivar
NCHU : Yuan Shen, Ming-Der Yang, Long-Jeng Lee

Environmental Conservation & Development

The uGRAPH: Urban Green-Infrastructure Rating Apparatus for Public Health

TAMU : Dr. Galen Newman
NCHU : Chen-Fa Wu; Ying-Chieh Lee ; Szu-Hung Chen

Veterinary Medicine & Techniques

Mechanism of clinically severe dengue through single cell analysis

TAMU : Dr. James Cai
NCHU : Day-Yu Chao

國家重點領域國際合作聯盟整合型計畫提案方式與程序

2024.6.6 聯盟聯席會議

一、整合型計畫推動目的

整合型計畫是針對國家重點領域國際合作聯盟(以下簡稱 UAAT)簽署 MOU 範圍內，擇定特定領域（如半導體、人工智慧、生醫、太空科技、農業、永續科技、人文藝術社科等）推動的研究與人才培育計畫，並由 UAAT 多所成員學校參與執行，期待經由雙邊的國際學術合作與交流，達到吸引國際優秀學者與外國學生來臺交流之目的；同時選送國內教師與學生赴國外交流，培育國內學術人才。

二、整合型計畫組成

整合型計畫應由 2 項以上子計畫構成，各項子計畫之間須具有關聯性，每一整合型計畫至少要有 4 所 UAAT 成員學校參與。子計畫可以分成「研究計畫」與「人才培育計畫」兩種類型；並由 UAAT 聯席會議決議之召集學校進行統籌規劃與整合。

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子計畫類型	研究計畫	人才培育計畫
參與校數要求	2 校(含)以上	2 校(含)以上
執行活動類型	<ul style="list-style-type: none">➤ Graduate exchange programs➤ Short-term courses➤ Intensive courses/workshops➤ Overseas research➤ Academic conferences/professional activities➤ Dual/joint degrees➤ Joint research➤ International industry-academia collaboration program	

Letter of Intent ↓
Sub-Project Application for International Collaboration↓
with↓
TAMU System (Agriculture Section)↓

Collaboration Field:		<input type="checkbox"/> Agricultural Science <input type="checkbox"/> Environment and Sustainability <input type="checkbox"/> Veterinary and Animal Husbandry <input type="checkbox"/> Smart Agricultural Technology	
Title of Sub-Project:	English		
	中文		
UAAT Principal Investigator:	Name:		Position/Title:
	姓名:		職稱:
	University:		Department /Institution:
	學校:		系所/單位:
UAAT Co-PI:	Name:		Position/Title:
	姓名:		職稱:
	University:		Department /Institution:
	學校:		系所/單位:
TAMU System International Collaborator:	Name:		Position/Title:
	University:		Department /Institution:
Project Period:	From MM/DD/YYYY to MM/DD/YYYY (1 Year)		
Contact Person (UAAT):	Name:		Position/Title:
	姓名:		職稱:
	Phone/Mobile:		E-mail:

1. Project summary

2. Specific aims and strategies

3. Budget estimate

4. Expected outcomes

Note:

1. All Sub-project should include **one corresponding PI** from TAMUS.
2. All Sub-project should include at least **two UAAT Universities**.
3. Application deadline: Sent to samchiang@nchu.edu.tw (Dr. Hsin-I Chiang) or judyvchen@nchu.edu.tw (Miss Chen) by 2024.7.14 (Sun).

主題類別

- Agricultural Science
- Environment and Sustainability
- Veterinary and Animal Husbandry
- Smart Agricultural Technology

性質類別

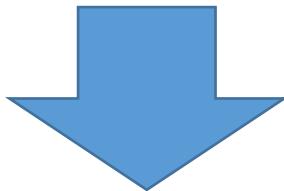
- 研究計畫
- 人才培育計畫
- 綜合

盟校窗口

1. 提案UAAT學校 (PI)
2. 合作UAAT學校 (CO-PI)
3. TAMU 合作窗口

構想書收件 (7/14)

- All Sub-project should include one corresponding PI from TAMUS.
- All Sub-project should include at least two UAAT Universities.
- Application deadline: Sent to samchiang@nchu.edu.tw (Dr. Hsin-I Chiang) or judychen@nchu.edu.tw (Miss Chen) by 2024.7.14 (Sun).



農業整合型計畫(中興大學)
9.16 - 台大UAAT秘書處