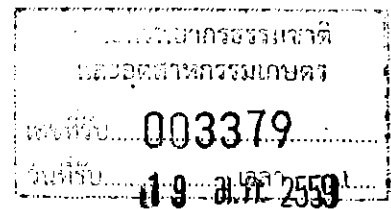




สำนักงานกองทุนสนับสนุนการวิจัย
THE THAILAND RESEARCH FUND



ที่ นร. ๒๒๐๓/๐๐๒๕/๒๕๕๙

๑๓ มกราคม ๒๕๕๙

เรื่อง ขอบความอนุเคราะห์ประชาสัมพันธ์
เรียน คณบดีคณะทรัพยากรธรรมชาติและอุตสาหกรรมเกษตร
สิ่งที่ส่งมาด้วย ๑. ประกาศรับข้อเสนอโครงการ
๒. แบบฟอร์มสมัครรับทุน

ด้วยสำนักงานกองทุนสนับสนุนการวิจัย (สกว.) ได้มีความร่วมมือกับ National Natural Science Foundation of China (NSFC) ซึ่งเป็นหน่วยงานให้ทุนสนับสนุนการวิจัยของประเทศสาธารณรัฐประชาชนจีน ในการให้ทุนสนับสนุนการวิจัย และได้ประกาศรับข้อเสนอโครงการตั้งแต่วันที่ ๒๕ ธันวาคม ๒๕๕๘ ถึงวันที่ ๑๕ เมษายน ๒๕๕๙ ด้านการเปลี่ยนแปลงสภาพภูมิอากาศ ความแปรปรวนสภาพภูมิอากาศของมรสุมในเอเชีย (Climate Change & Climate Variability Research in Monsoon Asia) ใน ๔ หัวข้อประกอบด้วย

- ๑) Variability and predictability of Asian monsoon systems affecting China and Thailand
- ๒) Land surface, their impacts and interactions with climate
- ๓) Predictability and prediction skills for climate variability and trends of regional extremes
- ๔) Application of climate information in water, disaster and agriculture managements

ทั้งนี้ข้อเสนอโครงการดังกล่าวต้องเป็นการทำการวิจัยร่วมระหว่างนักวิจัยไทยและนักวิจัยจีน โดยรายละเอียดการยื่นข้อเสนอโครงการและแบบฟอร์มเป็นไปตามเอกสารแนบ ๑ และ ๒ หรือเข้าไปดูรายละเอียดเพิ่มเติมได้ที่ <http://www.trf.or.th/> ในการนี้สำนักงานกองทุนสนับสนุนการวิจัย (สกว.) โดยฝ่ายสวัสดิภาพสาธารณะ จึงใคร่ขอความอนุเคราะห์ให้ท่านช่วยประชาสัมพันธ์การรับสมัครทุนดังกล่าวแก่บุคลากรที่สนใจในสังกัดเพื่อยื่นข้อเสนอโครงการ

จึงเรียนมาเพื่อโปรดพิจารณาอนุเคราะห์และขอขอบคุณอย่างยิ่ง มา ณ โอกาสนี้

ขอแสดงความนับถือ

(รองศาสตราจารย์ ดร.ชานธิป ฉาริโน)
ผู้อำนวยการฝ่ายสวัสดิภาพสาธารณะ

ฝ่ายสวัสดิการสาธารณะ

โทรศัพท์ ๐-๒๒๗๘-๘๒๒๙,๓๑ (ณพ, กิตติกานต์) โทรสาร ๐-๒๒๗๘-๘๒๒๕

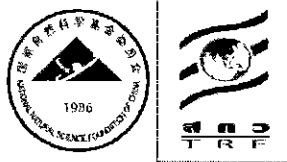
E-mail: nop@trf.or.th

"ถ้าคุณต้องการทำวิจัย...biodata ให้โอกาส เชิญลงทะเบียนรับทราบโจทย์วิจัย ที่ <http://biodata.trf.or.th>"

ชั้น 14 อาคาร เอส เอ็ม ทาวเวอร์ 979/17-21 ถนนพหลโยธิน แขวงสามเสนใน เขตพญาไท กรุงเทพฯ 10400
14th Floor, S M Tower, 979/17-21 Phaholyothin Road, Samsennai, Phayathai, Bangkok 10400, Thailand
Tel : +66 (0) 2278-8200 Fax : +66 (0) 2298-0476 http :// www.trf.or.th E-mail : trf-info@trf.or.th

สร้างสรรค์ปัญญา เพื่อพัฒนาประเทศ

NSFC –TRF Call for Proposal



Joint Call for Proposals

National Natural Science Foundation of China (NSFC)
Thailand Research Fund (TRF)

Theme: Climate Change & Climate Variability Research in Monsoon Asia

1. Background and Rationale

Based on the Memorandum of Understanding, TRF and NSFC have launched a joint call for research proposals on climate change & climate variability in Asia monsoon region. TRF and NSFC recognize that meaningful actions to deal with climate change impacts significantly relies on relevant and legitimate scientific knowledge and research collaboration within the regions. Human society and natural ecosystems at large need to increase adaptive capacity and resilience to the impacts of climate change and variability based on advanced scientific foundation. Thus, this call aims to contribute to the overall challenges of improving scientific understanding of climate processes of the region, the links between global climate change and regional climate variability, their impacts and their predictability, and relevant issues on climate change information and database and its application. The present call for proposals also aims at enhancing collaboration and cooperation, and sharing and exchange of knowledge/researchers between China and Thailand in the areas of climate change and variability research.

2. Call Topics

2.1 Variability and predictability of Asian monsoon systems affecting China and Thailand

The research in this topic should contribute to improve our scientific understanding of drivers and mechanisms of observed variability and future trends on seasonal to decadal time scales or longer of key monsoon systems affecting both China and Thailand to improve our understanding of monsoon variability or their impacts. The topics may include:

- Monsoon modelling
- Teleconnections; links between Asia monsoon and global climate change
- Historical and paleoclimate data synthesis and analysis

2.2 Land surface, their impacts and interactions with climate

It is a general consensus that climate change and variability have adversely affected many aspects of society and ecosystems. However, deep scientific understanding on the response of man-made and natural ecosystems to climate driver in the region is still very poor. This is one of the most important barriers to find out the appropriate solutions at levels from policy to practices for enhancing adaptive capacity. The research in this topic may include:

NSFC –TRF Call for Proposal

- Observations aiming at producing robust data for impact models or impact evaluation for forest, agricultural and hydrological systems
- Impacts, response and adaptation mechanisms/processes of forest, agricultural and hydrological systems to near-term climate variability

2.3 Predictability and prediction skills for climate variability and trends of regional extremes

The research in this topic should contribute to improving predictability and prediction skill of extreme events. The specific topic areas may include but not limit to:

- Process studies and model system configurations
- New or improved regional models for forecasting *El Niño Southern Oscillation* (ENSO) and other phenomena related to extremes in the region
- Impact of initializing coupled components of the sub-seasonal to decadal climate system other than the ocean (e.g. sea ice, land surface, vegetation, aerosols)

2.4 Application of climate information in water, disaster and agriculture managements

This research topic focuses on enhancing/creating utility of data and information under the topics 2.1-2.3 mentioned above through technology & innovation and policy implementation. The aim is to finding out the creative integration and application of climate information into practices or operation in a sustainable way.

3. Project requirements

The project proposals must be written in English (China side also need in Chinese) and should demonstrate a research need for Thailand-China coordination. It is required that a research team must be comprised of at least one principle investigator (PI) and one co-PI from China and Thailand. This call aims to support research projects of 3 years duration. The project will be funded only when it fulfil the objectives of both TRF and NSFC, and mutual agreements between TRF and NSFC are reached, based on the peer-reviews and evaluations of experts from both sides.

4. Timeline

The call timeline for The “Thailand Research Fund (TRF)-National Natural Science Foundation of China (NSFC) Joint Call for Proposals on Climate Change & Climate Variability Research in Monsoon Asia” will be starting on 15th January 2016 and closing on 15th April 2016. Proposers will be asked to submit a full proposal (~ 15-20 pages long) describing the rationales, scientific objective, detailed methodology, project execution plan and timelines, the research team members and the budget. Here below is the timeline summary:

Call for proposals:	25 th December 2015
Full-Proposals deadline:	15 th April 2016
Decision:	End of July 2016
Projects begin:	September 2016

NSFC –TRF Call for Proposal

5. How to apply

A full proposal following the template (downloaded at www.trf.or.th) must be submitted via hard copy and electronic file to a contact person in each country.

Thailand:

Please send hard copy of full proposal and file to Public-Wellbeing Division. Address: The Thailand Research Fund, 14th Floor, SM Tower, 979/17-21 Phaholyothin Road, Samsan Nai, Phyathai, Bangkok 10400. Email: trfpg3@trf.or.th

China:

The China based PIs must apply and send their application forms to NSFC through its online system (<http://isisn.nsf.gov.cn/egrantweb/>). Please contact with Dr. Zhang Yongtao via zhangyt@nsf.gov.cn for more information from China side.

Date.....

Check List

All following documents should be submitted to the TRF before 15 April 2016.

Please check your documents and mark

- 1. Letter of intent form with a Principal Investigator's signature as well as that of University/Institute's authority
- 2. Digital file of your Letter of Intent form in MS Word format
- 3. Full proposal of research program (please give details between 15-20 A4 page (not including Reference) and using Times New Roman 11 pt)
- 4. Digital file of your Full Proposal in MS Word format
- 5. Acceptation letter from overseas partner (s)
- 6. Principal Investigator and Co-Investigator (s)' first page of reprint
- 7. Curriculum vitae (CV) of Principal Investigator and Co-Investigator (please give list of journal publication)

Full of proposal**Full of Proposal (Part 1)****1. Project title (English):** _____**Project title (Thai):** _____**Keywords:** _____**2. Principal Investigator**

Title/Position		Name-Surname	
Department		Faculty	
University			
Telephone Number		Fax	
Email			

3. Co- Investigator

Title/Position		Name-Surname	
Department		Faculty	
University			
Telephone Number		Fax	
Email			

Title/Position		Name-Surname	
Department		Faculty	
University			
Telephone Number		Fax	
Email			

Title/Position		Name-Surname	
Department		Faculty	
University			
Telephone Number		Fax	
Email			



4. Will this proposal or related proposal be submitted within the next six months or has it been submitted to other funding agency/source?

- No
Yes, please give the name of the funding agency, name of the project and status of submission.

5. Budget Bath

6. Project duration year
from to

I hereby certify that all the information above is true and I accept that TRF's decision is final.

Signature.....(Principal Investigator)
(.....)

Date.....

The University/institute agrees and will facilitate the PI in carrying out this project.

Signature.....
(.....)

Position.....

Date.....



Full of Proposal (Part 2)

1. Summary of Proposal

Summary of research proposal for public release (Use plain language to describe your research proposal and not exceeding 350 words)

This plain language summary will be available to the public if your proposal is funded.

In English language:

Key words (not exceeding 10 words):

ภาษาไทย:

คำสำคัญ (ไม่เกิน 10 คำ):

