

ELECTRONIC APPLICATION FORM FOR RENEWABLE ENERGY TECHNOLOGY RESEARCH COLLABORATIONS - *under the framework of the Danish National Research Foundation International Collaboration with the National Natural Science Foundation of China*

To see the call for proposals, please refer to the webpage of the Danish National Research Foundation (DNRF): www.dg.dk and the National Natural Science Foundation of China (NSFC): <http://www.nsf.gov.cn>

This downloaded application form must be electronically submitted as a *PDF* document no later than June 15th 2009 by the Danish principal investigator to the DNRF at dg@dg.dk and correspondingly by the Chinese principal investigator to the NSFC through its ISIS system.

The form is to be filled out in English with the font "Times New Roman", size 12, with one line space. Applicants are kindly requested to meet the following requirements as well.

Objective

The objective is to strengthen the competitiveness of Danish and Chinese basic research within renewable energy technologies through collaboration. To this end the two Foundations wish to support basic research which may result in new or significantly improved renewable energy systems. Such initiatives might include, as examples, research that e.g., combines organic and inorganic materials, biocatalysis and heterogeneous catalysis, or links molecular biomass structures to building blocks for production of fuels and chemical. It also addresses fundamental questions regarding biological, chemical and physical processes that target efficient energy conversion or energy conservation, such as hydrogen production from water and biomass decomposition by direct solar energy, integrated bio-energy production (from biomass).

Applications may thus include project proposals which have *a translational approach* ranging from basic sciences to relevant applications.

Requirements

- The applications must be made as truly joint applications written by the responsible Chinese principal investigator and the responsible Danish principal investigator so that each initiative is represented by only one application, incl. budgets specifying the Chinese and Danish respective costs.
- Both sides shall send scientists to the other part as well as receive visiting researchers and PhD students.
- The Danish host institution is required to provide the necessary resources, including offices, laboratories, equipment, etc. The institution is further expected to contribute with PhD-stipends and travel grants.

Selection Criteria

When selecting which proposals to support, the two Foundations will emphasise (not in any order of priority):

- The scientific quality of the proposal
- The added value of performing joint collaborative research between the research groups involved
- The degree of complementarity between the involved research groups in answering the research questions addressed.

Evaluation

The proposals will be reviewed by international peers (preferably neither Chinese nor Danish). The two Foundations will take the reviews into consideration as an important part of their decision-making process when agreeing on which joint projects to fund.

After two and a half years the two parties will jointly evaluate the progress of the research initiatives. The evaluation will be based on a self-evaluation and on international peer review. The project may be extended with another 3 year grant.

Further information

For further information or if you have questions to the form or to other parts of the application process, please contact:

NSFC, China: Lu Rongkai, Director of Division, Bureau of International Cooperation.
E:mail: lurk@nsfc.gov.cn or tel.: + 8610 – 6232 7014.

DNRF, Denmark: Research Adviser Niels Lagergaard Pedersen nlp@dg.dk, or tel.: + 45 – 3318 1957.

1. Title of the Chinese-Danish research project
2. Name, title, position, sex, and date of birth of the two principal investigators
<i>a. The Chinese principal investigator:</i> Name: Title: Position: Sex: Date of Birth:
<i>b. The Danish principal investigator:</i> Name: Title: Position: Sex: Date of Birth:
3. Current work place (address, telephone number, email address, www home page)
<i>a. The Chinese principal investigator:</i> Address: Telephone number: Email address: Homepage:
<i>b. The Danish principal investigator:</i>

Address: Telephone number: Email address: Homepage:
4. Scientific keywords to be used for the identification of peer reviewers (5-10 keywords)
5. Host institutions of the research project
<i>a. Chinese host institution:</i> <i>b. Danish host institution:</i>
6. Summary of the proposed project description (maximum: 2.400 keystrokes)
7. Project description (maximum: 36.000 keystrokes), including: <ol style="list-style-type: none"> a. A detailed description of the scientific problem, including objectives, background, references, proposed experiments, complete description of raised hypotheses, and the methodological choices, and a work plan showing individual tasks and responsible groups b. An explanation of what added value the collaboration will bring and how the Chinese-Danish groups are complementary to each other in the realisation of the project goals (i.e. what are the unique respective strengths and skills that the Chinese and Danish collaborators bring to the project.) c. A statement describing the importance and novelty of the proposed project d. A description of the organisational structure and the planned research collaboration defining the responsibilities of both partners e. A description of the project's significance to research training (Ph.D. and post.doc)
8. CV of the two principal investigators, including a brief and concise outline of professional career (maximum: 4.800 keystrokes)
<i>a. The Chinese principal investigator:</i> <i>b. The Danish principal investigator:</i>
9. A list of the most essential peer reviewed publications by the two principal investigators from the past 10 years. Furthermore please indicate total number of publications within the categories: articles, monographs, book chapters, proceedings, public outreach activities, other. (maximum: 2.400 keystrokes)
<i>a. The Chinese principal investigator:</i>

b. The Danish principal investigator:

10. CV for each of the participating key scientists incl. total number of peer reviewed publications (maximum for each CV: 2.400 keystrokes)

a. Chinese key scientists:

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b. Danish key scientists:

11. Information about formalised and international cooperation (maximum: 2.400 keystrokes)

12. For the Chinese principal investigator: Title and grant number of ongoing NSFC-project

13. Funding applied for from the DNR¹

Estimated budget for the 3 year period

(in 1000 DKK.)	2010 Budget	2011 Budget	2012 Budget	2013 Budget	TOTAL
Salaries:					
1 Principal Investigator					
2 Scientific Staff					
3 Guests					
4 Technical Staff					
5 Administrative Staff					
6 Other					
Salaries, Total					
PhD Students					
Travels, Conferences, etc.					
Equipment etc.					
Overhead, Host Institution					
Other					
TOTAL DNR¹					
Co-financing, Danish Host Institution					
Co-financing, other Danish funds					
TOTAL FUNDING					

¹ The NSFC will fund the Chinese research partner and the DNR¹ will fund the Danish research partner. In terms of mobility of scientists (senior scientists, post docs and PhD students) the receiving party pays for accommodation and daily allowances whereas the party sending such visitors would pay for international transportation.

14. Funding applied for from the NSFC.¹ Estimated budget in RMB for the 3 year period

	Year 2010	Year 2011	Year 2012	Year 2013	Total RMB
International travel costs					
Local living expenses					
Sub-Total RMB					

	Year 2010	Year 2011	Year 2012	Year 2013	Total RMB
Workshop costs					
Seminar costs					
Sub-Total RMB					

	Year 2010	Year 2011	Year 2012	Year 2013	Total RMB
Research costs					
Other expenses					
Sub-Total RMB					

Total NSFC					
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Host Institution, Co-financing and Staff contribution

Co-financing	Year 2010	Year 2011	Year 2012	Year 2013	Total RMB
Equipment					
Other Expenses					
Total					

Staff, man-year	Year 2010	Year 2011	Year 2012	Year 2013	Total Staff, man-year
Staff, man-year					

1. Scientific Staff					
2. Technical and Adm.					
4. Ph.d. Students					

SIGNATURES

15. Signatures of responsible principal investigator in each country, dates and places (“I assure that the information I have presented in this application and its appendices is correct and that all the factors essential for the processing of the application have been included. I undertake the responsibility that, in the event that DNRF and NSFC grant the funding, the funds will be used for the purpose for which they have been granted and that any reports required by DNRF and NSFC will be submitted.”)

Date and place:

Signature:

Date and place:

Signature:

16 Signatures of the signing official of each host institution, dates, places (The host institutions stated in the present application will provide the researchers the necessary work premises, equipment and other basic research prerequisites. The host institution commits itself, in the event that DNRF and NSFC grant the funding, to undertake the responsibility for ensuring that the funds will be used for the purpose for which they are granted and to hire the personnel whose salaries are to be paid with the appropriation, and to submit in accordance with the instructions of DNRF and NSFC, reports on the use of the funds.

Date and place:

Signature:

Date and place:

Signature: