



P.O. Box 47 | 6700 AA Wageningen | The Netherlands

Dr. Jiechen Wu  
China Agricultural University  
Yuanmingyuan west road 2,  
Haidian District  
100193 Beijing  
China

Dear Jiechen,

Herewith I would like to invite you Dr. Jiechen WU (birth date 30-09-1985) as a visiting scholar to the Water Systems and Global Change group at Wageningen University and Research for the period 1 March – 20 May 2018. This on the conditions that you receive an authorisation for temporary residency and the permission to work in the Netherlands.

You are expected to bring your expertise on substance flow analysis and environmental modelling to our collaborated research work.

You will contribute to the methodology development of the MARINA model, a Model to Assess River inputs of Nutrients to seAs in China, developed by our WSG (Water Systems and Global Change) research group in Wageningen University and Research. In particular, the method of modelling diffuses sources of phosphorus and its dynamics for the Yangtze River basin will be improved during your stay in Wageningen.

We will exchanges our knowledge via presentations, discussions and writing scientific articles together. The outcomes will be beneficial for both your on-going phosphorus projects in China and the research development in the WSG group.

In addition, we will also discuss other potential collaborations between China Agricultural University and Wageningen University for future.

We are exploring possibilities to get a research fellowship from Wageningen University (WIMEK) for your visit. If we are not successful, the transportation and living expenses will have to be covered by you.

During your stay in the Netherlands you will receive a work space at the Water Systems and Global Change group in the Lumen Building.

## Water Systems and Global Change

DATE  
November 28, 2017

SUBJECT  
Invitation letter

OUR REFERENCE  
1730984/CK/gdf

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HANDLED BY  
Prof.dr. Carolien Kroeze

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If you want we can assist you to get your visa and accommodation, but please note that you are not a regular student and thus not entitled to get accommodation through the Wageningen University and Research. You have to find housing through the private market. You can arrange your insurance after your arrival in the Netherlands.

Looking forward to having you.

Yours sincerely,

A handwritten signature in black ink, appearing to be 'C. Kroeze', written in a cursive style.

Prof.dr. Carolien Kroeze  
Professor of Water Systems and Global Change

## 出访日程安排（2018/03/01 – 2018/05/20）

地点：荷兰瓦赫宁根，瓦赫宁根大学 水系统与全球变化研究组

出访任务：

1. 探讨并开展合作研究工作：长江流域养分流动建模，主要讨论源头模型耦合MARINA模型的模型发展与应用。
2. 共同撰写文章：基于流域尺度的养分流动模型构建与发展：以长江流域为例。
3. 讨论其他潜在合作项目，促进中国农业大学与荷兰瓦赫宁根大学在农业资源与环境反面的其他合作。

具体日程：

2018/03/01 前往荷兰瓦赫宁根大学

2018/03/02- 2018/03/09 与Carolien Kroeze教授和Maryna Strokal博士讨论长江流域模型发展工作计划，并在Carolien Kroeze教授小组做一次seminar自我研究简介汇报。

2018/03/09-2018/03/16 完成模型发展的源头概念模型，并讨论和MARINA模型结合的基本方法。

2018/03/17-2018/03/31 完成源头模型和MARINA耦合的模型，并进行初步输入数据整理。

2018/04/01-2018/04/15 进行对长江流域的耦合模型模拟，并进行模型修正与矫正。

2018/04/16-2018/04/30 对发展的模型在瓦赫宁根相关小组进行seminar交流汇报，对模型进一步完善与发展。

2018/05/01-2018/05/15 基于合作建立起来的模型，讨论共同撰写的科研文章(Modeling nutrient flows in the Yangtze River basin, China)

2018/05/16-2018/05/19 讨论其他农业资源与环境方面的其他合作机会

2018/05/20 返回中国农业大学

## 出访必要性的说明

此次出访的必要性有以下几点：

1. 目前本人在研课题：长江流域磷素流动平衡建模需用利用流域系统模型，而荷兰瓦赫宁根大学Carolien Kroeze教授小组在我国长江流域水域建模已经有多年的研究，并建立了MARINA模型，目前是适合我国长江流域在子流域尺度做模型第一人，对于开展研究合作具有重大的意义。
- 2 荷兰瓦赫宁根大学 Carolien Kroeze 教授小组目前正在发展 MARINA 模型，发展基于物质流动的源头模型耦合，本人在物质流方面具有一定的研究基础，在瓦赫宁根小组那边可以进行最前沿和国际化的讨论。
- 3 荷兰瓦赫宁根大学Carolien Kroeze教授小组和本人所在中国农业大学资源与环境学院植物营养系有着较长时间的合作，这次访问也是再次促进双边合作撰写相关文章并拓展进一步其他合作的好机会。

To: Dr Maryna Strokhal (WSG)  
Prof Carolien Kroeze (WSG)

**Subject: WIMEK research fellowship grant for Dr. Jiechen Wu (WSG)**

Dear Maryna and Carolien,

The WIMEK Board has decided to grant a WIMEK research fellowship to **Dr. Jiechen Wu** from China for a **2,5 month** stay in the Netherlands. We have allocated **€3.500** for this **category C** research fellowship, which should start in the course of 2018.

The budget will be transferred to the account of the chair group as soon as your guest arrives in the Netherlands. Therefore we would like to ask you to inform us about the final data of your guest's stay at the chair group. You can send information on these data and an internal invoice by email to WIMEK, for the attention of Peter van der Plas ([peter.vanderplas@wur.nl](mailto:peter.vanderplas@wur.nl)).

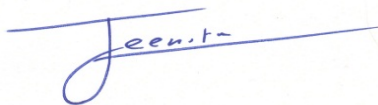
Please inform us immediately if the fellowship is shortened, delayed or cancelled.

The research fellowship should cover the travel and accommodation expenses of your guest. The chair group should cover the research costs and other additional costs.

You should fill out a standard registration form for research fellows and send it to your HRM department. Please check at the HRM department if visa, a residence permit and assurances are required.

Finally, I would like to ask you to send me a brief report on the research fellowship directly after the last day of the stay, including an overview of research and teaching activities, results and joint publications (if any).

Kind regards,



Johan Feenstra,  
WIMEK secretary

DATE  
December 5, 2017

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CoC NUMBER  
09215846

OUR REFERENCE:  
WIMEK2017-094

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