

## Second Asian Regional Graduate Course

### *on Production and Use of Food Composition Data in Nutrition (FoodComp Asia 2004)*

Announcement

May 2004

Beijing China

25 October-13 November 2004

Organized by



Institute of Nutrition and Food Safety,  
Chinese Center for Disease Control and Prevention (INFS, China CDC)

The Chinese Nutrition Society

In co-operation with



United Nations University

Food and Agriculture Organization of the United Nations

## Background

Food composition database (FCD) provides essential information on the nutritive values of foods. FoodComp study is the science of assembling multidisciplinary knowledge. To obtain good quality food composition data, we need the knowledge from nutrition; chemistry, statistics, computer science and others related sciences. So it is very important to study and unify how to get representative samples, sample preparation, laboratory quality control, reliable analytical data nutrient definition and data compilation.

NEASIAFOODS as the North East Asian Network of Food Data System and the Regional Database Center of INFOODS, was re-established with the supporting of FAO on 2002. About 7 members (countries and areas ) joined the network. The Institute of Nutrition and Food Safety, Chinese Center for Disease Control and Prevention (INFS, China CDC) was selected as the Coordinating Center of NEASIAFOODS.

## Objectives of the course

The aim of Second Asian Pacific regional graduate course (FoodComp) is to show all processes of FOODCOMP: data production, including the generation of analytical data for nutrients in foods; data compilation to ensure the quality and usefulness of FCD in nutrition; and data use in health, agriculture and food trade. The course is based on the philosophy that the preparation of nutritional databases requires close understanding of the needs of the users by both compilers and producers of analytical data. The course shows how this understanding can be achieved and the benefits that flow from collaboration of users, analysts and compilers.

## Course Material

The material of Second Asian regional graduate course (FoodComp-Asia) 2004 is structured around the INFOODS publication, Food Composition Data: Production, Management and Use, by Dr. H. Greenfield and Professor DAT Southgate. The course will cover ways in which food composition databases are developed and used; how to determine the range of nutrients for which values are required; foods for which values are needed; choice and validation of analytical methods to give nutritionally relevant values; and stages in the production of a nutrient database.

## Who should attend

Second Asian Pacific regional graduate course (FoodComp) is intended for those involved in food composition database programmes as analysts, compilers and /or users will be of value to those teaching nutrition and nutritional aspects of food chemistry. Priority will be given to participants from NEASIAFOODS member country (China, Mongolia, Korea, Macao, Hong Kong, Japan).

## Course content

The major elements of the three-week course, which comprising lectures, practical works, seminars and group work, will be:

### ✧ **Food composition data generation:**

- Food composition data and database
- Initiation and organization of a Food composition programme
- Selection of foods and Nutrients
- sampling, sample handling and sample preparation
- Choice of analytical methods and their evaluation
- Relative international standard including Food Nutrition Labelling
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### ✧ **Data quality assessment and compilation:**

- Assuring the quality of analytical data and quality assurance.
- Nutrients definition and calculation,
- Conventions and modes of expression of data
- INFOODS tagnames and data description
- Assembling of FCD and the harmonization expression ,
- Food nomenclature and coding
- Data and maintenance -

### ✧ **Data uses**

- The needs on international and national level
- types of publication on FCD
- Software application on nutrients intake and diets management
- Strengths and limitations of food composition data

### ✧ **New insight on FCD**

- Evaluation Food vitamins including bioaccessibility, bioabsorption, bioavailability, bioconversion and bioefficacy.
- The nutrients in fortified food and dietary supplement ,
- The regulation on Nutrition Labelling in countries and FCD development ,
- Definition of Energy and energy conversion factors
- Carbohydrate classification, analysis and description,
- Glycemic index of food
- Phytochemistry in FCD

### **Group work**

Individual group discussion: data generator, data compilers, data users

## Venue and duration

Second Asian regional graduate course (FoodComp-Asia) will be held in Beijing, China for three weeks from 25 October to 13 November 2004.

## Language

The language of the course is English. Therefore, fluent English is essential for all students.

## Fees

The course fee is 2900\$ for one person . The course fee cover accommodation and meals from 24, Oct to 13, Nov. at the **Beijing Swan Lake Hotel** , course materials , tuition fees, practical work and excursions .

The fees does not cover the cost of travels to the course, medical insurance, pocket money and computer programmes .

A limited number of FAO or UNU fellowships for NEASIAFOODS members and applicants in developing countries will be available. Application can be made through the course secretariat. Unfortunately the INFS and CNS is not in a position to supply fellowships for the course.

## How to apply

All applicants should fill in the following application form and send it together with a curriculum vitae before 1 July 2004 to the Course Secretariat, but candidates are recommended to apply as soon as possible.

## Organised by

Regional center of NEASIAFOODS, Institute of Nutrition and Food Safety, China CDC  
Chinese Nutrition Society

## in cooperation with

Food and Agriculture Organization of the United Nations ( FAO)  
United Nations University (UNU)

## Course Organizer committee

Advisory Board

Dr. B. Burlingame, Food and Agriculture Organization of the United Nations, Rome, Italy

Prof. C. West, Wageningen Agricultural University, Wageningen, The Netherlands

Ms. J. Holden, United States Department of Agriculture, Beltsville, MD, USA

Dr. Prapasri, Puwastien Regional coordinator of ASEANFOODS

Dr. Jehangir Khan Khalil, Regional Coordinator SAARCFOODS

Prof. Ge Keyou , Chinese Nutrition Society

Prof. Yang Xiaoguang vice director, China CDC

Prof. Zhai Fengying        vice director, Institute of Nutritional and food safety  
Prof Ma Guansheng ,        vice director, Institute of Nutritional and food safety

### **Course Directors**

Prof Yang Yuexin ,        Coordinator, NEASIAFOODS , INFS  
Prof. Ge KeYou ,        Director , Chinese Nutrition Society  
Prof. Zhaifengying        vice director, Institute of Nutritional and food safety  
Dr. Barbara. Burlingame, Coordinator, INFOODS, FAO

### **Secretariat**

Ms Han Junhua                NEASIAFOODS  
Ms He Mei                      INFS  
Ms Chang SuYing              ILSI

### **Organization and Registration**

e-mail address: [neafood@public.fhnet.cn.net](mailto:neafood@public.fhnet.cn.net)

connected person:

Prof Yang Yuexin or Ms He Mei or Ms Han Junhua  
Institute of Nutritional and food safety, China CDC  
29 Nan Wei Road. Beijing 100050, China

# Second Asian Regional Graduate Course

## Application form

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25 October -13 November 2004,

Beijing China.

First name: \_\_\_\_\_

Family name: \_\_\_\_\_

Date and place of Birth: \_\_\_\_\_

Nationality: \_\_\_\_\_

Qualifications including degrees, diplomas and certificates held (state awarding body and date): \_\_\_\_\_  
\_\_\_\_\_

Work institution \_\_\_\_\_  
\_\_\_\_\_

Work address: \_\_\_\_\_

Telephone No: \_\_\_\_\_

Email address: \_\_\_\_\_

Do you have the support of your employer to attend the course? YES / NO

Name and address of current employer: \_\_\_\_\_  
\_\_\_\_\_

Invoice for tuition fees should be sent to

(if not candidate, then provide name and address of person/institute providing funds)

- candidate for admission to course
  - employer
  - other
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Declaration and signature of candidate seeking admission:

I declare that the information given on this form and in the attached curriculum vitae is correct. I have read and understood the arrangements for payment of tuition fees to which I will adhere. I understand that the course may be cancelled if numbers prove insufficient and that in those circumstances course fees will be refunded.

Date: \_\_\_\_\_ signature: \_\_\_\_\_

Please complete and return this form before 1 July 2004 together with a curriculum vitae to Secretariat second Asian-Pacific regional graduate course (see address above)