



### SHORT INTENSIVE COURSES

*Before and during the internship students will be trained on the specific topics / methodologies related to the internship programme by “short intensive courses” organised by the hosting institution and online courses provided by the TAURUS consortium.*

**Course title:** Urban Agriculture and Forestry in China

**Linked to the Internship programme:**

**Edition:** 2019

**Academic coordinator:** Futao Guo

**Duration:** 22/10/2019—30/10/2019

### GENERAL OBJECTIVES

THE COURSE AIMS TO INTRODUCE THE DEVELOPMENT AND CHALLENGES OF URBAN AGRICULTURE AND FORESTRY IN CHINA AND IMPROVE THE SKILLS OF PARTICIPANTS ON URBAN FOREST PARKS MANAGEMENT.

### COURSE STRUCTURE

#### **General introduction:**

The course comprises of five modules. Introduce the development and challenges of modern agriculture and forestry, especially urban agriculture and forestry in the world and China to the trainee, and the main research methods for urban agriculture and forestry were also introduced. The interns were also taught the relationship between urban forestry and biodiversity and the principle of how to build a bird-friendly forestry city. Furthermore, the greening conservation technology, plant information system management and garden planning and design were also demonstrated to the participants.

#### **Module 1: *What is agriculture? An agroecological reflection of China’s agricultural modernization***

**Lecturer:** Prof. Songliang Wang

Songliang Wang, Ph.D, Professor College of Agriculture, Fujian Agriculture and Forestry University (FAFU), Fujian, China.

Bachelor of Agronomy in 1990, Fujian Agricultural College (FAC);

Master of Crop cultivation and farming system in 1997, Fujian Agricultural University (FAU);

Visiting scholar in Wageningen University in the Netherlands, 2000-2001 in Eco-agriculture;

Doctor of Crop genetics and breeding in 2004, Fujian Agriculture and Forestry University (FAFU);

Visiting scholar in Nova Scotia Agricultural College in Canada, 2005-2006 in Agroecology;

Visiting scholar in University of British Columbia (UBC), Canada, 2018-2019 in Agroecology

#### **Module 2: *Agroforestry with particular emphasis on homesteads***

**Lecturer:** Prof. Mulualem Tigabu Gebeyehu

BSc (Distinction) in Forestry, 1992, Alemaya University, Ethiopia



MSc in Forest management & products, 1996, SLU  
PhD in Forest Seed Science, 2003, Swedish University of Agricultural Sciences (SLU)  
1999- 2003 PhD candidate Swedish Univ. of Agri. Scie., Umeå  
2003- 2005 Researcher Swedish Univ. of Agri. Scie., Umeå  
2006-2007 Independent researcher  
2008- Present Researcher Swedish Univ. of Agri. Scie., Alnarp  
2013-2015 (1 mo/year) Visiting professor Fujian Agri. & For. Univ., China  
2018-2020 (50%) Guest Professor Fujian Agri. & For. Univ., China

**Module 3: *Dealing with urban forest calamities and disturbances***

**Lecturer:** Prof. Cecil C. Konijnendijk

Professor (urban forestry), Project leader of the UFORIA (Urban Forestry Research In Action) lab at UBC.

Dr. Konijnendijk has taught and advised on the role of trees and green space in our cities and towns. His particular interests include green space governance (including community involvement), people-nature relationships and cultural ecosystem services, and urban forestry and urban greening. His work has brought me across the globe and he has always worked in close dialogue with decision-makers and practitioners, and he is eager to develop new research that has high practical relevance. Before coming to UBC, he worked at Wageningen University (Netherlands), the European Forest Institute (Finland), the University of Copenhagen (Denmark), the Swedish University of Agricultural Sciences (Sweden), and the University of Hong Kong (Hong Kong, China).

**Module 4: *How to build a bird friendly city?***

**Lecturer:** Dr. Ying Chen

Dr. Ying Chen is currently a lecturer of Forestry Department, Fujian Agricultural and Forestry University. She graduated from Fudan University, and research interest is Bird Ecology and Conservation Biology. At present, her research focuses on the winter habits and population constraints of Black-faced Spoonbill.

**Module 5: *Internship and Practice in National Forest Park***

**Lecturer:** Dr. Li He

Education:

2010.9–2015.7 PhD, Wildlife Conservation and Utilization, College of Nature Conservation, Beijing Forestry University, Beijing, China

2005.9–2009.7 Bachelor of Agriculture, Conservation of Forest Resources, College of Forestry, Beijing Forestry University, Beijing, China



Research Experiences:

2015.8–present Lecturer, College of Forestry, Fujian Agriculture and Forestry University

2017.10–2018.10 visiting scholar, Department of Systematics, Biodiversity and Evolution of Plants (with Herbarium), University of Goettingen, Göttingen, Germany

2010.9–2015.7 As a PhD student in College of Nature Conservation, Beijing Forestry University, Beijing, China

Research Areas:

Plant Classification, Plant taxonomy and phylogenomic of *Salix*, speciation in polyploid complex of *Salix*, sex determination of *Salix*

**EXPECTED LEARNING OUTCOMES**

*The participants will understand the development of urban agriculture and forestry in China, especially the Southeastern China.*

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*Practical and technical skills*

*The participants will learn how to establish the plant information management system and understand the principle of garden planning and design in urban forest parks.*

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*Professional skills*

*Plant information management in forest park.*

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**TEACHING METHOD**

The course is structured on a total of (n.) 2 class hours per day on the program topics. Additional 2 hours will be devoted to the demonstration of software tools, for a total of 4 hours

**ASSESSMENT**

The assessment will be based on the evaluation of short written answers to programme related questions.

**Suggested literature**

- More meaningful, more restorative? Linking local landscape perception and place attachment with restoration of urban park visitors *Landscape and Urban Planning* (2020).



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- Urban Food Forestry: current state and future perspectives. Urban Forestry & Urban Greening (2020)
- Beijing's over 50 million new urban trees – Strategic governance for large-scale urban afforestation Urban Forestry & Urban Greening 44, 126392 (2019)
- Historical Perspectives on Green Structure Development: the examples of Stockholm, Sweden and Xi'an, China Landscape Research 44(8) (2019)
- Towards an integrated research approach for urban forestry: the case of China Urban Forestry & Urban Greening 46: 126472 (2019)