



**Society for Urban Ecology**

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## **‘Benefiting from nature in growing cities’ 4<sup>th</sup> SURE Summer School 2016**

**Date:** 11 - 15 July 2016

**Place:** East China Normal University (ECNU), School of Ecological and Environmental Sciences, Shanghai, China

### ***Key Dates and Application***

- Regular arrival: Sunday 10<sup>th</sup> July 2016
- Regular departure: Saturday 16<sup>th</sup> July 2016
- 5 Course Days (Monday 11<sup>th</sup>, Tuesday 12<sup>th</sup>, Wednesday 13<sup>th</sup> July, Thursday 14<sup>th</sup> July, and Friday 15<sup>th</sup> July)
- 1<sup>st</sup> May 2016: Application deadline for students

### ***Application by students***

20 international (non-Chinese) students are the maximum number of participants. The selection will be made by qualification. The participants should be enrolled in Master or PhD studies relevant for the summer school subject (e.g. biology, landscape architecture, landscape ecology, landscape planning, geography etc.).

### ***Obligations***

Applicants send their CV and motivation letter to [stefanie.pirker@stud.sbg.ac.at](mailto:stefanie.pirker@stud.sbg.ac.at) (Cc [juergen.breuste@sbg.ac.at](mailto:juergen.breuste@sbg.ac.at)).

### **Organizer:**

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## ***Prologue***

The management of urban ecosystems is, and will continue to be, a key challenge for cities in China and worldwide. The conflicts of urban development have intensified due to lack of knowledge and management capacity and because of too little understanding of the complex integration of the natural, built and socio-economic systems into general urban development. The existing fragmented knowledge of the relationships between the mega-urban development, its effects like climate changes, and ecosystem services has been insufficient for policy makers and scientific community. Particularly, there isn't any sort of 'digest' of valuation so that hidden values of urban green (particularly in relation to regulatory functions) as ecosystem service are properly accounted in urban planning. It had been difficult to realistically instigate long-term plans towards the inclusion of the process of ecosystem services as a meaningful component of sustainable urban development.

## **4th International Summer School 2016**

Three years after the successful 2nd Summer School 2013 in, where more than 40 international students (PhD Master level) and eight tutors from Austria, Germany, China, Sweden, Brazil and Poland participated, there will be a follow-up with the 4th SURE Summer School in 2016, integrating new aspects of urban development, worldwide discussed – biodiversity, nature-based solutions, and the urban ecosystem service approaches. Again international students and tutors are invited to join the SURE Summer School.

## ***Objectives***

*The overall objectives are to:*

- develop an understanding of the city as complex urban ecosystem, ecosystem services the urban landscapes provides, and exchange according to the experiences from China and European perspective;
- to exchange innovative and integrated approaches for urban ecosystem services and management applicable to practical needs – both of relevance to China and Europe.

## ***Planned activities***

The summer school will include lectures and workshops by tutors within different modules and field work. The specification of the modules will be communicated beginning 2016 by the organization team.

## **International Lecturers**

Invited 11 tutors are experts in urban ecology, urban biodiversity and ecosystem planning, and urban development. They are university professors and senior scientists with widespread teaching and research experience and professional background in geography, ecology/biology, landscape

architecture and urban planning and come from universities in Europe, China, USA, and Latin America.

6 topics

1. Urban development and urban ecosystem services
2. Biodiversity and ecosystem services
3. Analysis of urban ecosystem services and urban land management
4. Socio-ecological systems and conflict moderation
5. The urban metabolism – integrating urban ecosystem services into functional design
6. Planning urban ecosystem services – instruments, methods, stakeholders

**Breuste (Austria/Germany/China)/Li (China):** Urban development and urban ecosystem services – European approaches and Shanghai experiences – only 2 hours at the beginning!

**Hof (Austria)/ Mizgajski (Poland):** Biodiversity and ecosystem services – the concept and its implementation

**Artmann (Germany)/Xie (China):** Analysis of urban ecosystem services – methodological approaches and urban land management

**Ioja (Romania)/ Qureshi (Pakistan, Germany):** Socio-ecological systems and conflict moderation

**Inostroza (Chile, Germany)/ Breuste (Austria/Germany/China):** The urban metabolism – integrating urban ecosystem services into functional design

**Finka (Slovakia)/Brzuszek (USA):** Planning urban ecosystem services – instruments, methods, stakeholders

### **Costs**

The exact costs are not finally calculated yet but will be around 250 € for students as course fee. The fee includes meals, events, local travel, course material and the costs for accommodation in the university student's hostel. Individual travel expenses must be paid by the participants and won't be included.

There will be information in advance about the payment modus.