

8th Summer School of SURE China Chapter

Date	Time	Activities	Lecturers
8 th Aug.	08:30-11:30 Morning Session	08:30 - 08:50 Dean's welcome address from SJTU	Dean/Vice Dean
		08:50 - 09:00 Introduction to Summer School and Topics	Co-Chair of SS, Prof. Junxiang LI
		09:00-11:30---- Lecture The importance of biodiversity for ecosystem function in human-dominated landscapes	Dr. Prof. Marc Cadotte (University of Toronto)
	14:30-14:40	Juergen's address from SURE	President of SURE, Co-Chair of SS, Prof. Juergen BREUSTE
8 th Aug.	14:40-17:40 Afternoon session	14.40 - 15.25---- Lecture Urban Wilderness 15.25 - 15.40---- Break 15.40 - 16.40 ----Student Tasks Students work individually to identify 3 wild urban places (wilderness elements) in your neighborhood, your campus or pictures from the internet (only when you can't go out!!). Give a short report (on one slide) describing the places you found, to what category you register the type of place and WHY the place is like this. 16.40 - 17.40---- Student Presentations Each student one slide with 3 photos, categories and why the place is like this, followed by discussion.	Dr. Prof. Jürgen Breuste (University of Salzburg)
9 th Aug.	8:00-11:00 Morning Session	08:00 - 19:15---- Lecture Seeking for nature of Chinese cities: plant diversity affected by urbanization 09:15 - 09:30---- Break 09:30 - 11:00---- Student Tasks Performance evaluation of urban tree species under disturbances of high temperature, storm, typhoon, insect attack etc. drawing from the scientific literature, web news and social media	Dr. Prof. Yongchuan YANG (Chongqing University)

		<p>11:00-12:00---- Lecture (Pre-recorded)</p> <p>Urban climate change action for urban forests and trees: When a solution becomes a challenge</p>	<p>Dr. Prof. Dagmar Haase (Humboldt Universität Berlin; Helmholtz Centre for Environmental Research - UFZ)</p>
9 th Aug.	<p>14:00-17:00</p> <p>Afternoon Session</p>	<p>14:00 - 15:15---- Lecture</p> <p>Wilderness on urban wastelands – an annoyance or a paradise for biodiversity?</p> <p>15:15 - 15:30---- Break</p> <p>15:30 - 16:30---- Student Tasks</p> <p>Students will get a short questionnaire with some questions about their own perception, opinion, and acceptance of urban wastelands. This will be underpinned with some photographs.</p> <p>16:30 - 17:30---- Student Presentations</p> <p>Sharing outcomes from the questionnaire and discussion, including answering the questions from the students' point of view.</p>	<p>Dr. Juliane Mathey (Leibniz Institute of Ecological Urban and Regional Development--IOER)</p>
10 th Aug.	<p>8:30 – 11:30</p> <p>Morning Session</p>	<p>08:30 - 09:30---- Lecture</p> <p>Impacts of global urbanization on distribution of tree species: data, methods, and results</p> <p>09:30 - 10:00---- Break</p> <p>10:00 - 11:30---- Student Tasks</p> <p>Students will learn to build up databases of tree occurrence records for their cities. They will extract occurrence records of tree species for their regions from major international biodiversity databases. After downloading the data, they will learn to clean the data and separate the records into trees distributed in urban areas or in rural areas. An optional work after this step is to compare the diversity pattern of the two regions.</p>	<p>Dr. Prof. Jun YANG (Tsinghua University)</p>
10 th Aug.	<p>14:30-17:30</p> <p>Afternoon Session</p>	<p>14.30 - 15.15---- Lecture</p> <p>Urban biodiversity in European cities</p> <p>15.15 - 15.30---- Break</p> <p>15.30 - 16.30---- Student Tasks</p> <p>Students work individually to identify European local actions of biodiversity of international cities (European or Chinese or other) from the internet. Give a short report (on one slide) which concrete MEASURES have been initiated (list 3 important) and which results are registered up to now.</p>	<p>Dr. Prof. Jürgen Breuste (University of Salzburg)</p>

		<p>16.30 - 17.30---- Student's Presentations</p> <p>Each student will present one slide with 3 measures and the results, followed by discussion.</p>	
11 th Aug.	9:30-11:30	<p>08.30 - 09.30---- Lecture</p> <p>Urban biodiversity in Latin American cities</p> <p>09:30 - 10:00---- Break</p> <p>10:00 - 11:30---- Student Tasks</p> <p>Students work individually. They will explore the Green City Index of Asian Cities: a research project by the Economist Intelligence Unit AGCI Report EN.pdf (siemens.com.cn) to extract comparative data of the Indicator Green Space per capita (see Land Use and Buildings Category) of two Chinese cities and will contrast those with Singapore. A written presentation should include a comparative table and images of the compared cities.</p>	Dr. Prof. Ana Faggi (Univ. of Flores, Buenos Aires, Argentina)
11 th Aug.	14:30-17:30 Afternoon Session	<p>14:30 – 15:45---- Lecture</p> <p>Avian diversity under urban environments</p> <p>15:45 – 16:00 ---- Break</p> <p>16:00 – 17:30 ---- Student Tasks and Presentations</p> <p>Students work individually to identify the main drivers of avian diversity changes of international cities globally from the scientific literature. Give a short report including which biodiversity indices (at least 3) are commonly applied and which results are found (no more than two slides).</p> <p>Each student will have the opportunity to share no more than two slides with at least 3 biodiversity indices and the results, following by discussion.</p>	Dr. Prof. Yong ZHANG (Nanjing Forestry University)
		<p>17:30-18:00---- Lecture (Pre-recorded)</p> <p>Global Urban Tree Inventory (GUTI) and its implications for global tree species conservation</p>	Dr. Assist. Prof. Alessandro Ossola (University of California, Davis)
12 th Aug.	08:30-11:30 Morning session	<p>08:30 - 09:30---- Lecture</p> <p>Urban biodiversity and Ecosystem Services</p> <p>09:30 - 10:00---- Break</p> <p>10:00 - 11:30---- Student Tasks</p> <p>Facilitated activities to share how the concept of Ecosystem Services can be used to enable positive outcomes for people and biodiversity in urban landscapes; and how these discussions might vary depending on the local context</p>	Dr. Amy Hahs (University of Melbourne)

12 th Aug.	14:00-16:30 Afternoon session	<p>14:00 - 15:15---- Lecture Urban plant biodiversity: Sampling methods and diverse distribution patterns</p> <p>15:15 - 15:30---- Break</p> <p>15:30 - 16:30---- Student Tasks Questions and discussion on sampling and comparisons on urban plant biodiversity between different land use/cover types in the city where you live or study, or across different cities by searching literature or your own investigation.</p>	Prof. Junxiang LI (Shanghai Jiao Tong University)
		<p>16:30-17:30---- Closing Questions, Group discussions, Ending remarks, and Certification</p>	All participants