

Name of Trainee	Claudia Nicolai
Home University, Department of Trainee	TU Dresden, Environmental Sciences
Studies of Trainee	M.Sc. Spatial Development and Natural Resources
Supervisor	Prof. Dr. Jürgen Breuste
Supervisor in Shanghai	Prof. Dr. Junxiang Li
Institution of Internship	East China Normal University, Department of Environmental Sciences
Research Topic	Evaluation of potential regulating Ecosystem Services of Urban Street Trees and Roadside Greening Strips in Shanghai
Aims of Internship	<ul style="list-style-type: none"> <li>• Documentation and Analysis of the conditions of single tree and structure of line of trees in six exemplary streets in Shanghai</li> <li>• Data acquisition of Roadside Greening Strips (tree health conditions, tree species, vegetation structure) along City Highways</li> </ul>

For the period of nine weeks I had the opportunity to live in Shanghai. I conducted my research in the field of Environmental Sciences in the Key Lab of Urban Ecology of the East China Normal University. During my studies in Spatial Development, I gained theoretical knowledge with the planning of Mega-Cities and its green spaces as well as the concept of Ecosystem Services and the evaluation of Ecosystem Health, which made me choose this research subject.

My research is assigned within the frame topic of Urban Ecosystem Services of a Megacity's Urban Green. Thus it was necessary to limit the topic in beforehand of the internship to fulfill the research tasks. Therefore I decided together with Prof. Jürgen Breuste to focus on the topic of evaluation of the potential of regulating Ecosystem Services provided by municipal Street Trees as main objective. Besides I also started to observe Roadside Greening Strips along the City's Highways according to their potential contribution to the provision of regulating Ecosystem Services, which Mr. Zhao and me chose together with the help of aerial maps in respect of accessibility and size. To acquire the relevant data I observed the relevant trees for basic data (species, height, DBH, crown condition) and influencing factors (surrounding, health conditions and damages) applying theoretical knowledge gained in the lecture of Introduction to Empirical Social Sciences. To evaluate the potential regulating Ecosystem Services that are provided by these chosen spaces I had to map the current status of the research spot that I found, which is represented by the basis data. The influencing factors were observed to determine possible restrictions resulting from lack of maintenance or the

restriction of planting spots. The importance of these indicators was shown in several lectures during my Master Study.

Apart from these tasks I could apply intercultural competences in the research field, which I acquired in a research project in Turkey, in which I also dealt with the evaluation and design of Green Spaces. Including the ability to prepare key interviews on short notice.

Thanks to the support of Professor Junxiang Li and also his students during the whole stay I had valuable points of contact assisting me with my work requests. With this help, I had the possibility to meet Chinese Planning Officials and representatives of the Shanghai City-circling Greenbelt Construction Headquarter; presenting an expert insight of the planning practices in Shanghai from the Authority and the Executing level. I really appreciated the chance receiving first hand knowledge from practitioners and get a glimpse of the Chinese Planning objectives and implementations thereof. Moreover these two interviews helped to gain existing data and documents, which will be examined as well.

In contrast, being introduced to the work of the German Company SBA in Shanghai, was a completely different experience evincing innovative and forward thinking planning perspectives as well as the implementation of such projects within the city. They gave a good insight on the work of practitioners - presenting the office, their work and helping us with their expertise.

Summing the time in China up, it was a breathtaking adventure and I was really glad to see and experience the everyday life in a City of about 24 Million, becoming aware of its advantages and disadvantages.

Everything from the challenging research topic to the particularities of the city impressed me, thus making it an unforgettable time. That is why I would definitely recommend others to go to Shanghai and immerse themselves in this bustling city.