

## **UAS Administrators Stay**

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**Partner University: Peking University, China**

**Duration of stay: September 15<sup>th</sup>-22<sup>nd</sup>, 2018**

### **Purpose of Stay**

Diane Hessler Bittl is as a Senior Construction and Property Manager at the Department of Biology, Chemistry, Pharmacy of Freie Universität Berlin (FUB). She is involved in the planning and development of constructions for research and teaching in different domains of sciences as well as in scientific facility management including environment, energy and safety aspects.

Bettina Tacke works as a communication manager in the Sustainability and Energy Management Unit at Freie Universität Berlin and has two main fields of work. First, she coordinates the sustainability teams in all academic departments of FUB. Second, she is responsible for the various forms of communication of sustainability related projects within the university.

Both work jointly with the sustainability teams, planning and realizing sustainability projects in the department of Biology, Chemistry, Pharmacy. Communication and environment, energy and safety aspects in the laboratories go hand in hand.

Purpose Diane:

- Visit buildings and facilities in particular for scientific research to learn about the views and goals of the Chinese colleagues
- Get to know sustainability strategies developed at PKU and discuss projects already implemented.
- Learn about the support the Chinese colleagues get to achieve their goals toward sustainability and hear about their experience with user acceptance towards changes improving sustainability as well as the motivation tools they use.

Purpose Bettina:

- Exchange of best practices in communication strategies in the sustainability area
- Get to know barriers and stumbling blocks and learn how to avoid and minimize mistakes.
- Learn more about participation and communication in another culture, especially communication tools and innovative and transferable strategies.

## Campus Tour

PKU campus covers 274 hectares. Buildings and grounds in the northern part date from the university's foundation in 1898.



West Gate. The university campus is not open to the public. The old entrance gate is an attraction for Chinese tourists.

Several old buildings are located in a park-like environment and are used for administration and teaching purposes.



*Weiming Lake and its Marble Boat*





*Administrative Building,  
Office of International Relations*



*Teaching building in one of the six  
courtyards surrounding Jing Yuan Meadow*

The southern part of campus is more recent and includes several new buildings like the University Hall where different performances take regularly place.



PKU provides housing for its over 40.000 students as well as for its guests. Several restaurants, supermarkets and alike make it possible to live without leaving campus.



Mobility plays a significant role in campus life. Bikes can be rent all over the place and are regularly brought back to the strategic points where they are mostly needed.



## Conference

**Participants:** among others, Wei Chen (UAS Coordinator at PKU), Sabrina Cao (Office of policy and legislation affairs), Li Gen (Strategic Management Department), Zhang Zhiao (student initiative Lead-Eco), Li Enjing (Bureau of Environmental Protection and Radiation Protection), Sun Chongli, Cuncon Zhang, Thessa Stubhan (Yenching Academy of PKU, translator), Beate Rogler (Beijing office FUB), Diane Hessler Bittl (FUB), Bettina Tacke (FUB).



Bettina and Diane presented their work and discussed it with the participants of the conference. Zhang Zhihao, student at the College of Urban and Environmental Sciences introduced the Lead-Eco Project, a student initiative working on several projects like recycling printing paper or military training uniforms, organizing a hand-me-down book fair or jogging for recycling cups. Projects which partly bring money used for instance to plant new trees.



## Green Building of the College of Environmental Science and Engineering



Conference and visit of the geothermal power plant and visit of the scientific laboratories:

- Participants: Mister Xe (external operative company), Prof. Li Zhenshan (scientific researcher), Sabrina Cao (Office of policy and legislation affairs, technical employee of the energy conservation facility of the building), Thessa Stubhan (Yenching Academy of PKU, translator), Diane Hessler Bittl (FUB), Bettina Tacke (FUB).
- Heating and warm water of the whole building is generated by geothermal power plant
- In total 20,000 m<sup>2</sup>, 16,000 m<sup>2</sup> heating surface
- Six geothermal power plants with each 250 kWh
- Use of shallow geothermal energy, 200 meter under the surface. Reason: Taking geothermal energy from earth layers warmer than 25°C is heavily taxed.
- Cost efficiency – the geothermal power plants are four times more effective than electric power
- Installation and maintenance of the geothermal power plants were financed by the external company itself. The company has ~~several~~ experiences with other universities, installed the geothermal power plant at PKU as best practice example.
- In total 100 laboratories and 3,000 m<sup>2</sup> lab surface

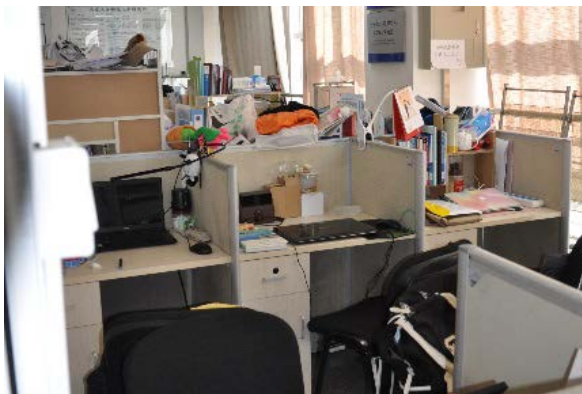


## Visit of Chemical College



Visit of the building with the vice president of chemical college, Zhou Jiang, responsible for safety and environmental measures:

- 120 professors, 60 working groups and 1,200 students
- 400 fume hoods
- Provides safety trainings for students which are obligatory at the beginning of studies
- Technical maintenance is not centralized, there are responsible persons for each building
- Desk workplaces are concentrated on each floor in one central room





## Lunch with Prof. Xue Ling

The last day of their trip Professor Xue Ling, associate professor in Peking University's School of Government and holder of a Ph.D. in Urban and Regional Economics, invited Bettina and Diane together with Beate Rogler, Sabrina Cao and Wei Chen to eat the famous roasted Peking duck in one of the most famous places for this specialty where a certificate is handed out for each bird! This was the opportunity to learn about and Professor Xue Ling's focus area.



## Conclusions

The Administrator Stay was very interesting to get an insight in the sustainability activities of Peking University and especially in the scientific laboratories. Bettina learnt a lot about social media based sustainability communication, which is a widespread communication channel in China. The various formats of the PKU social media activities are an inspiration for Bettina's work at Berlin. Diane got a good insight in security and facility management as well as in the procedures and focuses of the Chinese colleagues towards sustainability aspects in the context of planning new or retrofit constructions for high technology research.