

STAY REPORT

1. Delegation composition, visited institutions and dates.

Composition of the delegation

<i>Num.</i>	<i>Name</i>	<i>Institution</i>	<i>Position</i>
1	Wenyong Li	NERCITA	PhD, Engineer
2	Zhenfa Li	TJCC	Director, Professor
3	Qingyu Xue	TJCC	Engineer
4	Yan'an Wang	SDAU	Professor
5	Shuhan Cheng	SDAU	Professor
6	Yurong Zhao	SDAU	Associated Professor

(* As the most of the stays have been collective visits, reports are structured by delegation in order to simplify management; in the case of a single person stay, just use one line; include as many lines as people composed the delegation *)

Full period of stay

<i>Num.</i>	<i>Name</i>	<i>Start Date*</i>	<i>End Date**</i>
1	Wenyong Li	Aug 29 th	Sep 13 th
2	Zhenfa Li	Aug 29 th	Sep 3 rd
3	Qingyu Xue	Aug 29 th	Sep 3 rd
4	Yan'an Wang	Aug 29 th	Sep 3 rd
5	Shuhan Cheng	Aug 29 th	Sep 3 rd
6	Yurong Zhao	Aug 29 th	Sep 3 rd

* Start Date, when the researcher leaves her/his Institution.

** End Date, when the researcher returns to her/his Institution.

(* State the duration of the stay for any member of the delegation; these can be different *)

Destinations and dates*

<i>Num.</i>	<i>Name</i>	<i>Visited Institution**</i>	<i>Start Date</i>	<i>End Date***</i>
1	Wenyong Li	INRES-Phytomedizin of UB	Aug 31 th	Sep 1 st
		Land-wirtschaftliche base of UB	Sep 2 nd	Sep 2 nd
2	Zhenfa Li	INRES-Phytomedizin of UB	Aug 31 th	Sep 1 st
		Land-wirtschaftliche base of UB	Sep 2 nd	Sep 2 nd
3	Qingyu Xue	INRES-Phytomedizin of UB	Aug 31 th	Sep 1 st
		Land-wirtschaftliche base of UB	Sep 2 nd	Sep 2 nd
4	Yan'an Wang	INRES-Phytomedizin of UB	Aug 31 th	Sep 1 st
		Land-wirtschaftliche base of UB	Sep 2 nd	Sep 2 nd
5	Shuhan Cheng	INRES-Phytomedizin of UB	Aug 31 th	Sep 1 st
		Land-wirtschaftliche base of UB	Sep 2 nd	Sep 2 nd
6	Yurong Zhao	INRES-Phytomedizin of UB	Aug 31 th	Sep 1 st
		Land-wirtschaftliche base of UB	Sep 2 nd	Sep 2 nd

* During a full stay, different Institutions can be visited; these different visits are enlisted here; generating different records on the stay's database.

** Institutions are named by their acronym as detailed in the Annex I.

*** When a day includes activities in more than one place, it is selected the place where the most of the time has been used.

(* The member of a delegation can visit different partners of the counterpart area during a single journey; here you must state the time at every partner; start and end dates of the full period must be considered as limits of the detailed stays *)

2. Technical visits.

Institution/Company: INRES-Phytomedizin	
Date: Aug, 31 st - Sep, 1 st	Location: Bonn, Germany
Person/s of contact: Prof. Dr. Heinz-W. Dehne	
Delegation participants: Wenyong Li Zhenfa Li Qingyu Xue Yan'an Wang Shuhan Cheng Yurong Zhao	
Short Description of the Institution/company: A research institute for plant diseases and plant protection using information technology.	
Comments about the visit: We visited Plant Medicine Lab of Institute for Crop Science and Resource Conservation (INRES), to see the equipment and experiment platform. We studied from Dr. Achim that how to find pathogen using microscopy. Also we visited some greenhouses in the campus. We don't take any pathogen from UB.	



Institution/Company:	Land-wirtschaftliche base		
Date:	Sep, 2 nd	Location:	Bonn, Germany
Person/s of contact:	Prof. Dr. Heinz-W. Dehne		
Delegation participants:	Wenyong Li Zhenfa Li Qingyu Xue Yan'an Wang Shuhan Cheng Yurong Zhao		
Short Description of the Institution/company:	A research base for plant phenotyping, crop and fruit tree planting.		
Comments about the visit:	We visited Land-wirtschaftliche base, to see the crop and apple tree experiment and phenotyping equipment. We don't take any pathogen from UB.		



3. Speeches and participation in Workshops/Conferences/Courses.

Title of the presentation:	SDAU Introduction		
Speaker:	Yan'an Wang		
Organization:*	INRES-Phytomedizin		
Date:	August, 31 th , 2015	Location:	UB
Person/s of contact:	Prof. Dr. Heinz-W. Dehne		
Short summary of the presentation:	Prof. Wang introduced the basic data of SDAU, such as Location & History, Faculty & Discipline Construction, Faculty & Discipline Construction and Cooperation Intentions		
Public:	Restricted to the INRES researchers.		

Title of the presentation:	Identification of Orchard pests Based on Machine Vision		
Speaker:	Wenyong Li		
Organization:*	INRES		
Date:	Sep, 11 th , 2015	Location:	UB-INRES
Person/s of contact:	Marlene		
Short summary of the presentation:	We exchanged our latest research ideas and results and discussed the data processing and model establishment methods. Introduce the segmentation and identification algorithm for orchard pests based on machine vision.		
Public:	Restricted to the INRES researchers.		

** Indicate the Institution where the talk has been given, and in the case of formal workshops or Congress its name.*

(* Fulfill a specific table for every talk developed under the framework of the stay *)

4. Summary of the exchange and research developed.

(* Free text describing in a short way the exchange/research tasks developed during the stay, indicate if any research result or collaboration statement has been obtained from the visit *)

Main results of these stays have been:

a/ Dr. Wenyong Li joined Dr. Ali in his experiment for wheat kernel quality evaluation. Also, I visited the hyperspectral imaging platform in local greenhouse, and learned some white balance correction method before acquiring the hyperspectral images. Analysis of experiment steps for wheat plant and how to design, control different weather in greenhouse. Learned lessons and discussion about how experiences can be exchanged by both areas (EU and China). (Main researcher: Dr. Wenyong Li).

b/ Discussion of image process method in different application. The objective of this discussion was learning the technology of hyperspectral image processing developed by the group INRES, and its possible application to the insect identification. It is under evaluation the feasibility of ENVI Classic and APS ASSESS software application into plant diseases and insect identification. (Main researchers: Dr. Wenyong Li).

During all the days in Bonn, we had not taken any pathogen from any institute or person.