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Scan by WeChat to read more
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Federal Ministry
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German Bundestag



MINISTRY OF AGRICULTURE AND RURAL AFFAIRS
OF THE PEOPLE'S REPUBLIC OF CHINA

Sino-German Crop Production and Agrotechnology Demonstrations Park



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PROJECT BACKGROUND

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Project Background

The BMEL's Sino-German cooperation in the agricultural and food sector, through its Bilateral Cooperation Programme, began in 2008 with a demonstration project in the field of arable farming and was expanded in 2010 to include a livestock breeding cooperation project.

With the creation of the flagship project "German-Chinese Agricultural Centre" (DCZ) in the People's Republic of China in 2015, the goal of more effective cooperation was achieved and a dialogue platform for shaping bilateral relations was established. The primary goal was to promote mutual exchange on relevant issues in the agricultural and food sector and to establish permanent structures for this purpose.

Since August 2015, the Federal Ministry of Food and Agriculture has been funding the project " Sino-German Crop Production and Agrotechnology Demonstrations Park " (DCALDP).



Project Background

The aim of the BMEL's Bilateral Cooperation Programme with its partner countries in general is to contribute to a high- performance agriculture worldwide that works efficiently and conserves resources. The aim is to ensure sustainable food security for people and at the same time protect the environment.



In this respect, the DCALDP fits well into this aim by using modern agricultural technology and development of adapted cultivation methods to make farming methods more sustainable and efficient. As part of the project, sustainable farming methods were being developed and tested on approx. 150 ha on the fields of our partner, the SKIAD Huanghai Branch in Jiangsu Province. The overall objective of the project was to improve productivity, reduce negative environmental impacts and contributes to the conservation and sustainable use of agricultural land.

The project worked closely with European business partners and their Chinese subsidiaries in the field of agricultural machinery and equipment and plant protection inputs and was supported by scientific institutes in China. Together, experimental plots were planned and implemented and large-scale demonstrations of new crop rotations and cultivation methods were carried out.

PROJECT HIGHLIGHTS

PROJECT HIGHLIGHTS



Introduction of modern European machinery with high efficiency and better quality to demonstrate sustainable and precise farming practices and to improve soil conditions



Development of training and information materials (guide books, hand-outs, videos)



Demonstration of new crop rotations, testing of varieties and trials with reduced inputs (fertilizer, pesticides & seed) with positive impact of costs and environment



Development of an international communication and information platform with more than 100 postings and > 15,000 downloads



Implementation of trainings in various formats (total of 5500 participants)



PROJECT RESULTS

PROJECT RESULTS

BMEL
Covers expenses for: team of experts, training, PR & events, international and national travel, project running costs

MARA
Supports: national operational partners

SKIAD / Huanghai Branch
Provides: land & personnel inputs (seed, fertilizer, chemicals, equipment), office and training facilities, financial support for bigger events

Private Business Partners
Provide: agricultural machinery and equipment, inputs (chemicals, trainers & experts)

Result Areas	Main Target Group
Capacity Building	Chinese farm managers and agronomists, agricultural technical staff from SKIAD farms & external farms. Knowledge mediators (lecturers, staff from scientific institutions etc.)
Trials and Demonstrations	
Knowledge Dissemination	

Outcome / Output (related to result areas)

- 1. Improved knowledge in modern, sustainable crop production technologies and processes. Increased adaption of sustainable crop production techniques**
 - ▶ More than 2.000 people trained (practical on-field trainings)
 - ▶ 5 study tours to Europe conducted
 - ▶ 16 Huanghai personnel trained as trainers (ToT)
 - ▶ Seminars, lectures & webinars for > 5.500 participants
- 2. Test and demonstration of new adapted sustainable & economically viable crop production methods based on local practices**
 - ▶ More than 15 trial topics selected (e.g. various crop rotations, variety trials, soil management, fertilizer reduction, plant protection reduction, seed density, various machinery trials, land consolidation, water management)
 - ▶ Increased adaption of cultivation techniques by other farms (e.g. rape production, dry rice, mulching etc.)
- 3. DCALDP worked as a platform for dissemination of knowledge & experience**
 - ▶ 6 field days implemented >2.000 participants on site
 - ▶ 1 hybrid field day (on-site and online) with approx. 80.000 online viewers
 - ▶ Presentation of project experience & results on national fairs and agriculture events, incl. press conferences & round tables
 - ▶ Development of a WeChat platform with regular articles about project experience
 - ▶ Various field guides, guidebooks & handouts

PROJECT OVERVIEW

PROJECT OVERVIEW



In August 2015, the Federal Ministry of Food and Agriculture, together with its partner - the Ministry of Agriculture and Rural Affairs, launched the “Sino-German Crop Production and Agrotechnology Demonstration Park” project within the scope of its bilateral cooperation program. The project was located in Jiangsu Province on the site of the Huanghai State Farm and belonged to the project executing agency, the Jiangsu Provincial Agricultural Reclamation and Development Corporation (SKIAD).

The main focus of the project was to support the sustainable development of Chinese agriculture through further training and demonstrations in the area of modern, adapted crop production.



In cooperation with SKIAD, Huanghai Farm, DLG AgroTechService and private Business Partners, we visited and presented DCALDP work in:

- ▶ Anhui (Longkang Farm in Bengbu)
- ▶ Heilongjiang (No-till presentation, Agricultural Equipment Management in Daqing and Harbin)
- ▶ Gansu (Yield problems in Lanzhou)
- ▶ Henan (Compost and circular agriculture in Xinzheng)
- ▶ Hubei (Tee plantation soil fertility in Enshi)
- ▶ Guangxi (Laura Pig Farm slurry management in Nanning)
- ▶ Beijing (ToT, Beijing Agricultural Week, Agribusiness Conference etc.)
- ▶ Jiangsu (University, Soil Institute, Modern Agriculture Demonstration Park etc. in Nanjing, Yancheng, and Lianyungang)
- ▶ Shanghai (Jincui farm, Chongming farm)
- ▶ Inner Mongolia (Hulun Buir State Farm field day, and farm modernization in Hailar)
- ▶ Thailand (Smart agriculture in Bangkok)

PROJECT ACTIVITIES

PROJECT ACTIVITIES



Tests and demonstrations in the field with the aim of utilising crop production potentials by means of modern, sustainable production and management methods, while at the same time conserving natural resources by using adapted crop rotations and improving soil fertility.



Implementation of field and demonstration days, press conferences and other cross- discipline events in order to make the results and findings obtained in the project available to the wider public



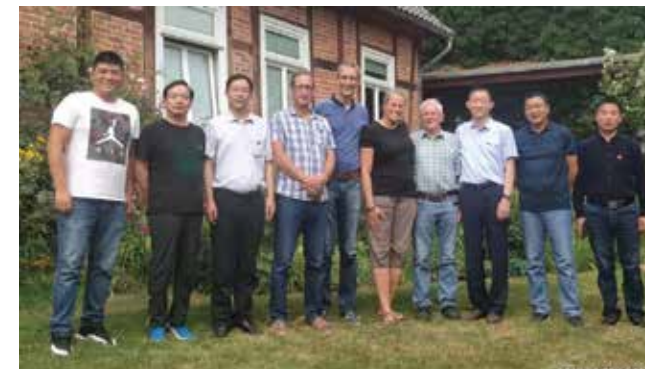
Development of (practical) skills for modern and sustainable crop production technologies and methods, the use of modern agricultural machinery as well as farm management and business organization



Setup of a project platform, enabling access to project information and exchange with experts, scientists and other interested parties from the (Chinese) agricultural sector



Training of trainers and multipliers, networking with training institutions, universities and scientific institutions



Study tours to Germany / Europe promoting active exchange between Chinese and European experts



PHASE 1

2015 ▼

- **August** Start of project – arrival of international experts in China
- **September** First study trip to Germany & Switzerland
- **October** Start of practical training courses on HHF
Start of planning for trials & demonstrations
- **November** Official opening ceremony on HHF
1st participation in DCZ Agricultural week in Beijing

2016 ▼

- **April** 1st field day
- **July** 2nd study trip to Germany
- **October** 2nd field day
1st participation in CIAME, Wuhan
- **November** 2nd participation in DCZ Green Week Beijing

2017 ▼

- **March** Participation AgritechAsia, Bangkok
- **April** Nanjing Agricultural Fair – Exhibition Stand & Press Conference
3rd study trip to Germany and the Netherlands
- **September** 3rd field day
- **November** 3rd participation DCZ Green Week

2018 ▼

- **May** 4th study trip to Germany and Czech Republic
4th field day
- **July** Visit of a North Korean study group to the project,organised by the project
End of Phase I / Change of international Teamleader

PHASE 2

2018 ▼

- **August** Participation in AgritechAsia, Bangkok
- **October** 2nd participation CIAME Wuhan
- **November** Opening ceremony of phase II

2019 ▼

- **April** Participation Nanjing international Expo – press conference
- **June** 5th field day
Participation in sustainable agriculture conference Nanjing



TIME LINE

TIME LINE

2019 ▼

- **August** 5th study trip to Germany & the Netherlands
- **September** Visit to Hailongjiang farms – training
- **October** Visit to Gansu farms – training
- **November** 4th Participation DCZ Green Week in Beijing

2020 ▼

- **February** Start of online trainings & activities
- **April** Start of publication of articles on WeChat platform
- **May** Start of webinars
- **June** Start of publication of small educational videos from the field
- **July** Start of ToT
- One year extension of the project
- **October** 6th field day (Hybrid format, pprox.. 80.000 viewers online)
Presentation of DCALDP Green Book
- **November** 5th participation DCZ Green Week in Beijing
- **December** DCALDP Round Table Beijing

2021 ▼

- **April** ToT Module 3
- **June** Participation in district agriculture and compost
Participation in Agribusiness Conference Nanjing
- **July** Participation in Hulun Buir State Farm (HBSF) 1st field day with DCALDP
project presentation
- **September** Presentation of DCALDP various technical handouts.
- **November** Preparation of the farm modernization project in HBSF
Sustainable agriculture in tea cultivation in Enshi, Hubei
Project presentation in Sino-German Agricultural Young Champions Forum in Nanjing
Project presentation in a seminar about environmentally friendly rice production in Shanghai Jincui Farm
- **November** Seminar on soil health and fertility in Nanning, Guangxi
- **December** Webinar series with topics of basics of soil science in agriculture, Tire selection & tire pressure and soil, from conventional agriculture to no-till, straw management and steps to no-tillage.
End of ToT main modules



2022 ▼		2022 ▼	
○	January		
			Presentation of advantages of modern agricultural machinery in Nanjing
			Meeting of economic partners for future cooperation in Lianyungang
○	February		
			DCALDP video series on pesticides
○			Modernization of enterprises, training concept in Germany in HBSF
○	March		
			Efficient and sustainable cultivation of malting barley according to the German model in Shanghai
○	April		
			Webinar: The way to smart agriculture
○	May		
			Webinar: Management and improvement measures of soil fertility in tea farms.
○	June		
			DCALDP book: Agricultural Production Management.
			Webinar: Myfarm 24 management software
○	July		
			DCALDP book: Basics of Integrated Agriculture.
			Factual Information on Integrated Plant protection.
			Participation in HBSF 2nd field day with presentation DCALDP, AEP and modern Agriculture
○	August		
			DEULA introduction video.
		○	September
			European modern farm interview video series: Donau Farm.
			Participation in potato field day in Germany.
		○	October
			European modern farm interview video series: Sheule Farm.
		○	November
			European modern farm interview video series: Klumpe Farm.
			Closing event during the DCZ Agricultural Week.
		○	December
			End of Phase II > 1.500 trainees, 5.500 participants in seminars, lectures & webinars, 16 ToT participants

THE TEAM

Phase 1 Core Team



THE TEAM

Phase 2 Core Team



From left were:

Wang Chunhong - Project Assistant Interpreter

Qin Hailong - Junior Chinese plant production expert

Thomas Illies - Teamleader

Liu Tianxing - Junior Chinese agric. machinery expert

Hing Kam - Intern. Long-term Agricultural expert



Uli Sommerfeld - Intern. Long-term Agricultural expert later replaced by Hing Kam

Tong Zhao - Junior Chinese agricultural expert



Alejandro Figueroa
Project Team Leader



Zhang Li
Managing Director
DLG AgrotechService (Beijing)



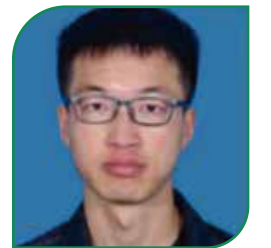
Patrick Paziener
Intern. Long-term Expert



Luo Laijun
Soil Expert



Liu Tianxing
Junior Chinese Agric.



Li Qiang
Junior Chinese Plant
Production Expert



Gao Mingmin
Junior Chinese Training
& PR Expert



Jane Yu
Project Assistant Interpreter
(currently part-time)



He Xingxin
PR Support
DLG AgrotechService (Beijing)

THE TEAM

Management Team
at Huanghai Farm

THE TEAM

Support Team



Chen Shoujun
Director HHF



You Zhizhong
Executive Deputy
Director HHF



He Yanping
Pre-executive Deputy
Director HHF



Jin Xiaoqi
Planting department
manager HHF



Che Zheng
Office Vice Manager HHF



Han Xianchun
Propaganda Department
Vice Manager HHF



Zhu Song
Assistant AT Institute of
modern agriculture



Xu Yujing
HHF Planting Department
Agronomy Technician



Zhu Qing
Public Relations Assistant

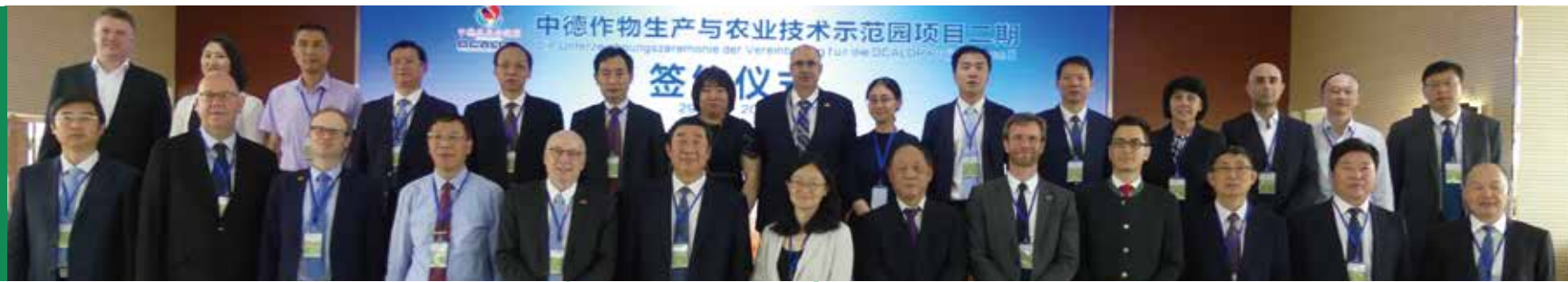


He Tao
HHF Agriculture
Department Captain

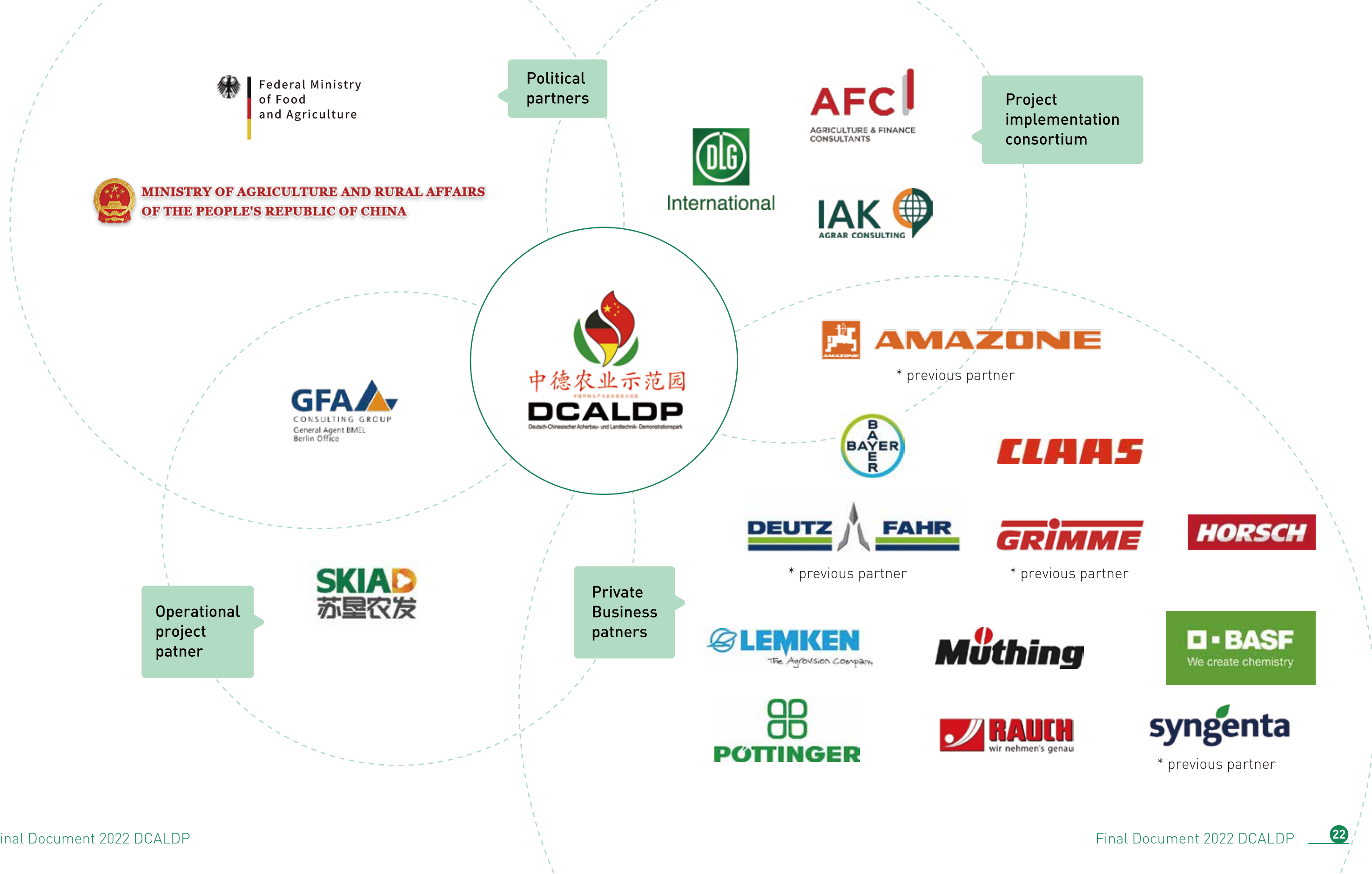


Lv Hui
HHF Machinery Captain

PARTNERS



PARTNERS



OUR ACHIEVEMENTS

OUR ACHIEVEMENTS



Result 1: Capacity Building

- 5 study trips for 33 SKIAD / HHF managers and staff
- Practical training courses for ca. 2.000 trainees
- Theory courses (seminars, lecturers, webinars) for ca. 5.000 participants
- Training of trainers for 16 young professionals from Huanghai Farm

Result 2: Trials and Demonstrations

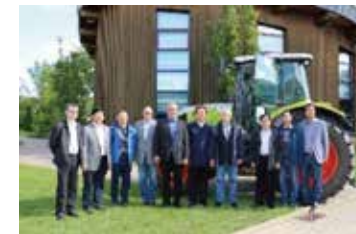
- Trials in more than 15 topic areas successfully implemented
- External demonstrations in 4 more SKIAD farms.
- Highlights of trial results:
 - 20 to 30% nitrogen reductions were realized without losing yield
 - The trials on crop protection showcased that crop protection applications can be reduced by >30%.
 - The Seed rate could be reduced by >30% and the same or higher yield levels
 - The successful trials with rapeseed led to an introduction of the crop on other SKIAD farms (in 2021 on 2666,67 ha).
 - The land consolidation trials showed that small land plots can be merged with significant productivity gains: i) Nitrogen savings around 2.000-2.500 kg per year per two parcels; ii) Significant time and labor savings of 3-4 hours per ha
 - Through machinery and crop rotation trials a better soil structure was visible and soil conditions in general improved

Result 3: Knowledge Dissemination

- 6 field days with approx. 2.000 visitors on site (one of those online with >80.000 on-line viewers)
- Various smaller demonstration days for small external groups from other farms and / or other provinces
- WeChat platform
- Various medium reported about the project on newspapers, magazines, websites, etc.

Our achievements - Result 1: Capacity Building

Carried out by DCALDP national and international long-term experts supported by > 1.000 days of national and international short-term expertise



September 2015 in
Germany and Switzerland



April 2018 in Germany
and Czech Republic



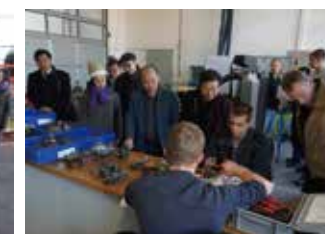
July 2016 in
Germany and Netherlands



August 2019 in Germany and Netherlands



August 2017 in Germany and Netherlands



2015 – 2019: 5 study trips

for 33 SKIAD / HHF
Management staff to Germany, Switzerland,
Netherlands and Czech Republic.

Themes:

- Precision farming
- Farm management
- Irrigation & drainage
- Agricultural education
- Extension for large scale farmers
- Green agriculture

OUR ACHIEVEMENTS

OUR ACHIEVEMENTS

Practical trainings on the field



Seminars



In Xiaoliugu Farm,
Henan

In Hulun Buir State
Farm field day

In DCALDP for
international students

In DCALDP for
exchange interns

Webinars - online



Practical and theoretical trainings in sustainable agriculture

for SKIAD HHF staff, internal & external farmers, students & lecturers, other interested listeners

> 5,500 participants chinawide.

Huanghai Farm, external farms in Anhui, Heilongjiang, Inner Mongolia and Gansu provinces.
1-5 day training sessions

Topics

- Machinery handling and maintenance
- Farm management
- Crop production (wheat, barley, rape, maize, soybeans, potatoes, broccoli etc.)
- Crop rotation
- Soil management
- Soil fertility
- Fertilizer and crop protection strategies
- Trial & demonstration management
- Irrigation & drainage
- Precision farming

Training of Trainers(ToT)

July 2020 – December 2021

16 participants

25 days trainings

22 days follow-up trainings

International and national facilitators combined

Topics

- Trial Management
- Sustainable agriculture
- Time management
- Project management
- Team development
- Emotional intelligence management
- Effective communication
- Non-violent communication
- Effective facilitation
- Competency framework
- Session plan & field trip design
- Self-organization
- Lateral leadership
- SWOT analysis





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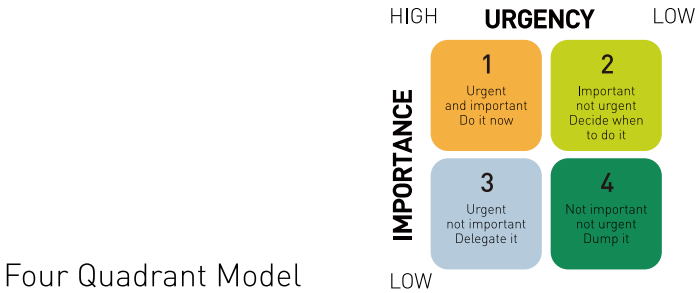
Pan Jun:

“I received lots of different concepts and ideas during ToT trainings which opens my mind. Combining with my work in DCALDP I have get to know well what sustainable agriculture is. Thanks to ToT, it makes everyone to get a chance to receive these ideas, such as loving nature, protecting the environment and our soil, do not over apply fertilizer, do not spray pesticides into water, do not misuse pesticides, and try to reduce soil compaction. This is the way how they trained us. Meanwhile, I learnt many principles, such as the Four Quadrants, the Law of 20/80, etc., which built our capacity so that we are able to train others and make more people get in touch with sustainable agriculture.”

Jane Yu:

“I benefit a lot from Time Management training course. Such as I managed to design weekly plan, assign tasks which listed in the four quadrants accordingly to work with higher efficiency. Also from ToT 2 and ToT 3, I realized the importance of effective communication, it makes you achieve more with the same effort as before, both during work and daily life.”

”



Result 2: Trials and Demonstrations

We have covered more than 15 trial topics on an area of 160 ha (2,400 mu) on demonstration area, another 160 ha on extension area at HHF, and they were extended to other SKIAD farms (e.g. Jiang Xisha Farm, Suqian Farm, Xinyang Farm, Linhai Farm).

The project trials were practical experiments. They have no scientific claim in terms of sample size, number of repetitions and statistical evaluation. The trials were set up on the project plots and used in trainings and demonstrations (e.g. the field days) to demonstrate to the target groups the excellence of sustainable management.

Fertilizer reduction

- ▶ This slow acting fertilizer reduces the total fertilizer amount and must be incorporated into the soil before sowing. Pre-condition is a precise placement of the fertilizer. The condition is that the fertilizer must be precisely incorporated before sowing.
- ▶ Jumbo fertilizer granule. A trial conducted by Prof Wang from Nanjing Soil Institute. (Similar to slow acting fertilizers, this fertilizer should be incorporated into the soil.) The granule disintegrates very quickly, however the technology for precise application still needs to be worked on.



Pesticide reduction

- ▶ These trials were supported by the so-called spraying windows. We benefit from reducing crop protection by having lower costs (-20%) and protecting the environment.
- ▶ The spray window trials clearly showed that 1-2 crop protection applications can be saved, especially in dry years.

OUR ACHIEVEMENTS

OUR ACHIEVEMENTS



Land consolidation

Small plots lead to large overlaps and lower machine efficiency.

Example two consolidated plots

- ▶ Land reclamation, 0.8Ha or 12Mu
- ▶ Overlapping area 1,6Ha or 24Mu with each fertilization. 5-6 applications per year per crop
- ▶ Nitrogen savings at fertilization of only 18.66 Kg N/Mu is about 2 000 Kg per year per two parcels. With a fertilization of 23 Kg N/Mu 2 500 Kg per year and two parcels.
- ▶ DAP or phosphorus fertilizer, savings of about 750 Kg per year and two parcels
- ▶ Complex fertilizer, savings of approx 250 Kg per year and two parcels
- ▶ Drilling time savings. Change from 4 to 6 m seeder, 2.3 hours per Hectare.

Crop rotation

- ▶ Crop rotation extension to improve soil health or quality. Several dryland crops, such as rapeseed, soybean, maize, sorghum, peas, potato, broccoli, were tested on the DCALDP plots. After several trials, oilseed rape was become established on the HHF and on other SKIAD farms. In the meantime, about 40,000 mu are cultivated on SKIAD farms.
- ▶ Rapeseed has several advantages.
 - Oil production
 - Improvement of the soil structure, resulting in less tillage for the next crop.
 - Promotion of bees, honey production and pollinators.
 - Through crop rotation, less pesticides.
 - Nutrient mobilisation in the soil, e.g. nitrogen can be reduced by 2 to 3.3 kg N/mu in the following crop.



Selection of machinery trials and demonstration in DCALDP

1)Drilling technology



With the use of the Poettinger Vitasem seed drill, the project was able to demonstrate that in comparison with the “Chinese machines” the same yield levels were realized with 30 % less seeds. The accuracy of the machine as well as the suitability for the local heavy clay soils were clearly demonstrated.

2)Combine harvesters and tractors

The project demonstrated with the CLAAS combines how to harvest crops without major harvest losses. The machines showcased their suitability for many different crops. The introduction of rapeseed into the crop rotation on SKIAD farms was made possible, since the threshing technology was adapted for rapeseed.



The high horsepower tractors from Claas and Deutz Fahr in the project made it possible to demonstrate large scale seed drills and soil cultivators that increase efficiency significantly. In combination with the land consolidation trials the efficiency wins were demonstrated. These productivity gains are vital to tackle already upcoming labor shortages on the SKIAD farms.

OUR ACHIEVEMENTS

OUR ACHIEVEMENTS



In addition to the labor- and time saving operation of the tractors, the Chinese operators preferred the German tractors because of their durability and driving comfort.

3) Seeding/ cultivating and fertilizing in one operation



It was demonstrated how the seeding or soil preparation was done efficiently with the HORSCH machinery. In comparison with traditional machinery, the machines worked faster and with better fuel economy. Through the combination of two working steps (seeding + fertilization / cultivating and fertilization) time savings and less soil compression could be demonstrated. It was also demonstrated that, fertilizer application during seeding, improves nutrient availability at the root level. This in turn reduced the overall amount of applied fertilizer.

4) Soil Cultivation



LEMKEN technology is specialized in intensive soil cultivation. It was demonstrated how the heavy soils were handled by the machines with great efficiency. Through better incorporating of straw and plant residues as well as creating better seed bed conditions the seeding rate could be improved, field emergence was higher and the input levels reduced.

5) Post harvest straw management



A solution of modern straw management is to incorporate it into the soil and let microorganism break it down. The problem of traditional straw management on the SKIAD farms is, that straw is not chopped. This leads to tremendous straw mats in the soil that in turn lead to unfavorable soil conditions. The project used the Muething mulcher to demonstrate how large quantities of straw can be chooped and later incorporated in the soil and, thus, improve soil structure.

OUR ACHIEVEMENTS

OUR ACHIEVEMENTS

6) Efficient and environmentally friendly fertilizer application



The RAUCH AXIS fertilizer spreader contributed to the realized fertilizer savings of 30% in comparison to the Chinese equipment. Hence, the same production levels could be achieved with significantly less amounts of fertilizer. This technique avoids spreading beyond the field boundary and therefore doesn't pollute surrounding areas and minimizes losses.

7) Green pesticide providers

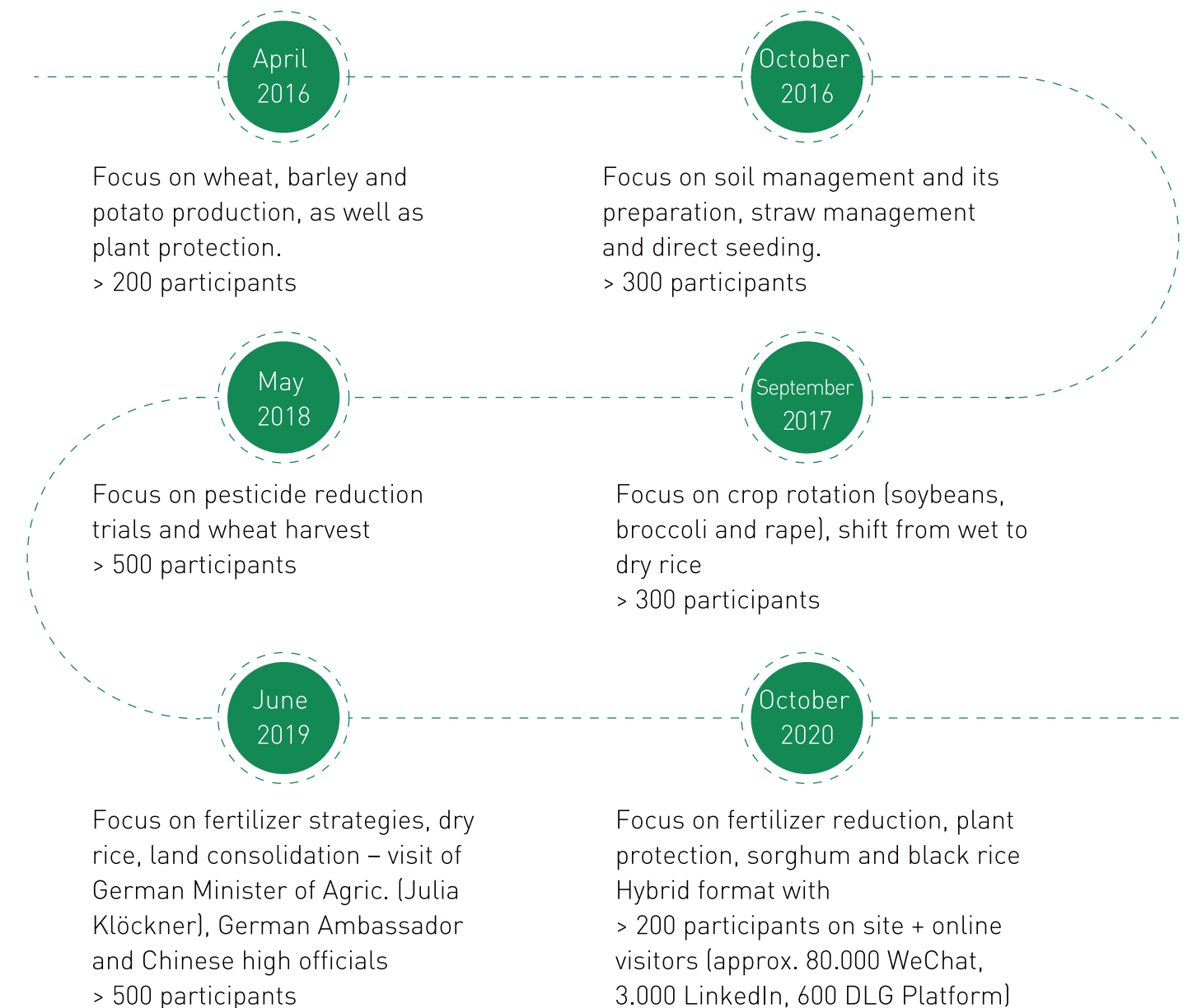


BASF and Bayer are two of the top modern companies worldwide, not only specialized in agriculture. With their support especially on new and effective chemical agents, we did many trials on weed, insects and fungi control in DCALDP. It turned out their agents not only worked excellently, but also promoted crops growth and development, improved yield, most importantly, they are environment-friendly.

Result 3: Field Day - Events

6 field days were organized in cooperation with Huanghai Farm, our private business partners, and with machinery demonstrations on the field.

Apart from the project field days, the DCALDP Team was involved in the organization of two field days at the Hulun Buir State Farm in Inner Mongolia in 2021 and 2022. The organization was done in cooperation with some of our private business partners and covered the topics of modern agricultural machinery and farm modernization.



OUR ACHIEVEMENTS

Other events

- Press conferences
- Agritechnica Asia Bangkok
- DCZ Sino-German Agricultural Week & Agribusiness Conferences
- Agribusiness Conference Beijing (incl. DCALDP Round Table with online visitors)
- CIAME Wuhan & Qingdao
- Longkang Farm in Anhui
- Jianshan Farm, Heilongjiang Bayi State Farm University, Heilongjiang State Farm in Heilongjiang
- Xiao Liugu Farm in Henan
- Nanjing Agricultural Fair
- Nanjing Agricultural University
- Sino-German Agricultural Young Champions Forum in Nanjing
- Agribusiness conference and AgriFuture conference in Nanjing
- Modern Agriculture Demonstration Zone in Nanjing
- Sustainable Agriculture Conference Lishui
- Changchen tea company in Hubei
- Sino- German Agricultural Exchange Program Alumni Event and EuroTier
- Shanghai Jincui Farm and Chongming Farm
- The First International Conference on Trade in Agricultural Services
- Webinar for Rain Forest Alliance



OUR ACHIEVEMENTS

Field day photo



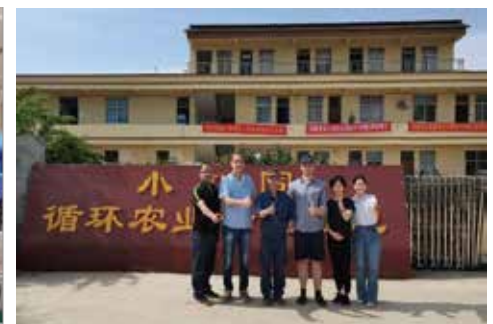
Other events photo



Rice experts forum in
Shanghai Jincui Farm



DCALDP presentation in Hulun
Buir State Farm field day



Circular agriculture in
Xiaoliugu Farm, Henan



AgriFuture conference
in Nanjing



Sino-German Agri. Young
Champion forum in Nanjing



Agribusiness Conference
in Beijing

OUR ACHIEVEMENTS

Publications

OUR ACHIEVEMENTS

Publications



Publications on WeChat platform:

- Postings > 100
- Readers >15,000
- 30 articles on WeChat platform (small articles on important activities and technical topics) / 4 Handouts / 4 Guidebooks / 6 field guides (for field days)
- 40 presentations of project experiences & results in national events (agricultural trade fairs, conferences etc.)
- 34 educational videos produced

Publications on Journals + Newspapers + Websites:

- Ministry of Agriculture and Rural Affairs of the People's Republic of China
- German Farmers magazine
- Farmers' Daily
- Stdaily.com
- NJAU NEWS
- Agricultural machinery news
- Jiangsu Provincial Government State-owned Assets Supervision and Administration Commission
- South China Agricultural University
- Jiangsu Vocational college of Agriculture and Forestry
- China State Farms & Tropical Agriculture
- China Agricultural Information Network



DCALDP Video series on Pesticides - PART 15



多瑙农场访谈 Visit to Donau Farm



DCALDP as knowledge and innovation hub for modern agriculture



Efficiency Improvement in Workshop, Office and Field



Weather report from February to April 2021 of project



中德农业示范园系列讲堂：保护土壤、节省油耗.....



DEULA 德国二元制农业培训学校



中德农业示范园发布专家手册合集



OUR ACHIEVEMENTS

Publications



OUR ACHIEVEMENTS

Publications

Publications on hard copies:

- Field Guides for each field day
- Green Book
- Agricultural Production Management
- Basics of Integrated Agriculture
- Factual Information on Integrated Plant Protection
- Handouts: Trial Management/ Macro-Micro Nutrients / Tramlines / N-min



Field Guides – Informed the visitors about the demonstrations and trials on the field. Also data about the location and results from the trials were illustrated.



Green Book – This Book gives a comprehensive overview over German growing techniques for several important crops. It includes recommendations and tips for Cereal, Soybean, Maize and Rape production.



Agricultural Production Management - This book helps farm managers in their decision-making process for efficient farming practices, it includes various topics on plant production and farm management as well as on integrated plant protection and integrated agriculture.



Basics of Integrated Agriculture– It is a modified version of the European Integrated Farming Framework and should be understood as a comprehensive management tool for farmers, farm manager and farm owners which may help to raise further awareness and continually improve everyday practice on farm in order to meet future environmental, economic and social challenges and hence achieve parallel progress in all dimensions



Factual Information on Integrated Plant Protection – It is a document from the DEULA (German Institute for Agricultural Engineering) for proof or certification of the knowledge required for the use of plant protection products. Mandatory in Germany for everyone who handles pesticides.

The publications are based on German agriculture recommendation as well as adaption to our (Chinese) project environment, and it should give an idea on how agriculture in Germany works. Advisory, guidebook and handouts are tools used in Europe to support Farmers.



The Handouts are short, comprehensive information material that can be used by farmers and field mangers. Topics include:

- Proper Management for on-farm trials
- Fertilization: Macro- and Micro Nutrients and their importance
- Fertilization: The importance and usage of Nitrogen Mineral for fertilizer reduction
- Importance of and setting up Tramlines for efficient farming



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