



SECRETARIAT OF THE CONFERENCE ON INTERACTION  
AND CONFIDENCE BUILDING MEASURES IN ASIA

СЕКРЕТАРИАТ СОВЕЩАНИЯ ПО ВЗАИМОДЕЙСТВИЮ  
И МЕРАМ ДОВЕРИЯ В АЗИИ

№ 14-7/648

The Secretariat of the Conference on Interaction and Confidence Building Measures in Asia (CICA) presents its compliments to the CICA Member States and, in continuation of the Secretariat's Note Verbal N 14-7/213 dated 19 April 2021 has the honour to communicate the following.

In accordance with para. 12 of the Economic Section of the CICA Plan on Implementation of Confidence Building Measures for 2021, the People's Republic of China, as the Coordinator of Confidence Building Measures in Agriculture, will hold the third online seminar on "Smart Agriculture Application and Development".

*Enclosure:  
as stated, on 11 p.*

The online seminar will be hosted by the Huazhong Agricultural University on **17-21 October 2021**.

The Secretariat has the honour to forward herewith the concept paper and program of the event, including technical guidelines for joining the seminar and registration forms for the participants.

The CICA Secretariat kindly requests CICA Member States to provide the completed registration forms of participants **by 15 October 2021**.

The Secretariat avails itself of this opportunity to renew to the CICA Member States the assurances of its highest consideration.

Nur-Sultan, 1 October 2021

**MEMBER STATES  
OF THE CONFERENCE ON INTERACTION AND  
CONFIDENCE BUILDING MEASURES IN ASIA**





**SECRETARIAT OF THE CONFERENCE ON INTERACTION  
AND CONFIDENCE BUILDING MEASURES IN ASIA**

**СЕКРЕТАРИАТ СОВЕЩАНИЯ ПО ВЗАИМОДЕЙСТВИЮ  
И МЕРАМ ДОВЕРИЯ В АЗИИ**

**№ 14-7/648**

Секретариат Совещания по взаимодействию и мерам доверия в Азии (СВМДА) свидетельствует свое уважение государствам-членам СВМДА и, в продолжение ноты Секретариата N 14-7/213 от 19 апреля 2021 г., имеет честь сообщить следующее.

В соответствии с п.12 Экономического раздела Плана реализации мер доверия СВМДА на 2021 г., Китайская Народная Республика в качестве Координатора мер доверия в области сельского хозяйства проведет третий семинар по теме «Использование и развитие «умной агрономии».

Онлайн - семинар будет проведен на базе Хуажонгского агрокультурного университета **17-21 октября 2021 г.**

Секретариат имеет честь препроводить Концепцию и Программу семинара, включая техническое руководство для подключения, а также регистрационные формы для участников мероприятия. Секретариат любезно просит государства-члены СВМДА предоставить организаторам заполненные регистрационные формы участников семинара **до 15 октября 2021 г.**

Секретариат пользуется случаем, чтобы возобновить государствам-членам СВМДА уверения в своем весьма высоком уважении.

город Нур-Султан, 1 октября 2021 г.



**ГОСУДАРСТВА-ЧЛЕНЫ СОВЕЩАНИЯ ПО  
ВЗАИМОДЕЙСТВИЮ И МЕРАМ ДОВЕРИЯ В  
АЗИИ**

Азиядағы өзара іс-қимыл және сенім шаралары кеңесінің (АӨСШК) Хатшылығы АӨСШК мүше мемлекеттеріне өзінің зор ілтипатын білдіреді және Хатшылықтың 2021 жылғы 19 сәуірдегі № 14-7/213 нотасының жалғасы ретінде келесіні хабарлауды өзіне мәртебе санайды.

Қосымша:  
аталған 11 п.

АӨСШК 2021 жылға арналған Сенім шараларын жүзеге асыру жоспары экономикалық бөлімінің 12 тармағына сәйкес, Қытай Халық Республикасы ауыл шаруашылық саласының үйлестірушісі ретінде «Ақылды агрономияны» қолдану және дамыту» тақырыбында үшінші семинарды өткізетін болады.

Онлайн форматта өтетін семинар Хуажонг ауылшаруашылық университетінде **2021 жылғы 17-21 қазанда** өткізіледі.

Хатшылық АӨСШК аталмыш семинарға қатысты тұжырымдама мен бағдарламаны, сонымен қатар қосылу бойынша техникалық ақпаратты және қатысушыларға арналған тіркеу формаларды жолдауды өзіне мәртебе санайды. Хатшылық АӨСШК мүше мемлекеттерден толтырылған тіркеу формаларды ұйымдастырушыларға **2021 жылдың 15 қазанынан кешіктірмей** жіберуді сұрайды.

Хатшылық осы мүмкіндікті пайдалана отырып, АӨСШК мүше мемлекеттеріне өзінің зор ілтипатын тағы да растайды.

Нұр-Сұлтан қаласы, 2021 жылғы 1 қазан

**АЗИЯДАҒЫ ӨЗАРА ІС-ҚИМЫЛ ЖӘНЕ  
СЕНІМ ШАРАЛАРЫ КЕҢЕСІНІҢ МҮШЕ  
МЕМЛЕКЕТТЕРІ**



## 中华人民共和国外交部

【2021】欧亚字第58号

中华人民共和国外交部欧亚司向亚洲相互协作与信任措施会议（以下简称“亚信”）秘书处致意，并谨告知如下。

根据《亚信2021年落实信任措施计划》，中方将举办亚信智慧农业应用与发展研修班。该研修班由中国湖北省武汉市华中农业大学承办并已于今年5月26至27日举行第一期，于8月18至19日举行第二期，计划于10月17至21日举行第三期。

现向秘书处发去研修班第三期概念文件、报名表、培训指南及邀请函（英文版，附后）。如蒙秘书处向各方散发，中方将不胜感激。

顺致崇高敬意。



2021年9月27日于北京

*(Неофициальный перевод)*

Департамент Европы и Центральной Азии Министерства иностранных дел Китайской народной республики свидетельствует свое уважение Секретариату Сопровождающих по взаимодействию и мерам доверия в Азии (СВМДА) и имеет честь сообщить следующее:

В соответствии с *Планом реализации мер доверия СВМДА на 2021 г.*, Китайская сторона намерена провести курсы по теме *Применение и развитие «умной агрономии»*. Курсы организуются Хуачжунским агрокультурным университетом в г. Ухане провинции Хубэй, первый и второй семинар курсов уже были проведены 26-27 мая и 18-19 августа текущего года. Третий семинар будет проведен 17-21 октября 2021 года.

Отправляем Секретариату Концепцию, регистрационную форму, программу третьего семинара вышеупомянутого курса, и приглашение для исполнительного директора (на английском языке, в приложении). Китайская сторона была бы признательна, если бы Секретариат раздал вышеупомянутые документы государствам-членам СВМДА.

Департамент Европы и Центральной Азии МИД КНР пользуется случаем, чтобы возобновить Секретариату СВМДА уверения в своем высоком уважении.

г. Пекин, 27 сентября 2021 года

# Huazhong Agricultural University

---

26 September 2021

Dear CICA Secretariat,

Supervised Entrusted by the Ministry of Foreign Affairs of the People's Republic of China and Ministry of Education of the People's Republic of China, Huazhong Agricultural University is expecting to host the CICA Smart Agriculture Application and Development Seminar (Phase III) on October 17-21, 2021 in Wuhan city of China. We sincerely invite H.E. Mr. Kairat Sarybay, Executive Director of CICA to share with us the online opening ceremony of the seminar with a pre-recorded or live video address in English on 17<sup>th</sup> of October at 9:00-9:10 AM, Beijing Time, (7:00-7:10 AM, Nur-Sultan Time).

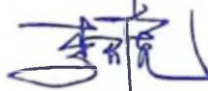
The theme of the CICA Smart Agriculture Application and Development Seminar (Phase III) is "Biological Statistics and Smart Breeding, Smart Equipment and Smart Production, Smart Farm and Agricultural decision model". Seminar participants will exchange opinions and have discussions on topics of CICA smart agriculture cooperation.

Kindly join via VooV Meeting : <https://meeting.tencent.com/s/clrNcnReguNd>, Room ID:180 849 866, Passcode:105046.

The contact office is Huazhong Agricultural University Training College,  
xkjs@mail.hzau.edu.cn, +862787281870,

We look forward to your support and would be happy to further discuss the details.

Sincerely yours,



President of Huazhong Agricultural University

# Concept Paper

Smart agriculture has become a current major trend of world modern agriculture, and promoting the development of smart agriculture is an important strategic foundation of agricultural sustainability. To promote agricultural cooperation within the CICA framework, strengthen agricultural exchanges among CICA's member states and promote the agricultural development of these countries, the People's Republic of China will host "CICA Smart Agriculture Application and Development Seminar (Phase III)", and hereby invites your country to send delegates to the seminar. Details are as follows:

## I. Date & Venue

The seminar is scheduled to take place from October 17 to 21. The sessions from October 17 to 21 will be held online in Wuhan, Hubei Province.

## II. Host & Organizer

Host: Ministry of Education of the People's Republic of China

Organizer: Huazhong Agricultural University

## III. Requirements

Please send staff members (number not limited) meeting the following requirements to the sessions from October 17 to 21:

- (i) Agricultural officials of government departments, staff of agricultural research institutes or staff of agricultural enterprises in your country;
- (ii) Holding PhD degrees or having more than 5 years of experience in agricultural research or management;
- (iii) Being proficient in spoken English.

Please send the Registration Form (Annex 1) to the contact by registration link or e-mail **prior to October 15, 2021**, and send a carbon copy to the Chinese embassy/consulate in your country. If you fail to do within the time limit, you should be deemed to have given up the opportunity.

## IV. Working Language

English

## V. Training

The training will create an exchange, sharing and cooperation platform for relevant sides, introduce China's practices and research experience in the field of smart agriculture, demonstrate China and Wuhan's new ideas and outcomes of smart agriculture development, share member states' experience in smart agriculture research and application, and accomplish the sound development of inter-regional agricultural technology exchanges.

Based on the above, topics of the training are as follows:

### (i) **Biological Statistics and Smart Breeding**

Collection, deposition, and mining of biological big data at the multi-omics levels for cells, organs/tissues, individual, and population of species. Artificial intelligence and genomic selection breeding for future

breeding to optimize human needs in agriculture.

## **(ii) Smart Equipment and Smart Production**

Internet of things, big data, cloud computing and other technologies in the management and application of smart agriculture before, during and after production.

## **(iii) Smart Farm and Agricultural decision model**

Collection, deposition, and mining of agricultural big data at the macro, meso, micro levels, which can be accessed by satellite remote sensing, Hyperspectral sensing, radar etc.

Construction of intelligent decision support system, development, integration and application of tools such as farmers' decision model, agricultural policy simulation model, crop growth model, etc.

Each trainee will receive a certificate of completion after finishing all three phases of training.

## **VI. Training Platform**

(i) Live Seminar Platform: VooV Meeting

(ii) Registration: confirm participation in the meeting, You must register according to the steps below in advance.

● Enter the website: <https://voovmeeting.com/>

● Download and install the software “VooV Meeting”

● Use your phone number to create a new account

● Type in your number, then you will receive a message with a code for verification, then type in the code and you will login in.

(iii) Video Conferencing Testing:

16:00 PM-18:00 PM (Beijing Time, GMT +08:00 ) on August 15 and August 16, 2021

Join the conference room: <https://meeting.tencent.com/s/wt9DEO4vw8oN>

Room ID: 553 653 392      Passcode: 105046

(iv) Connecting to Video Conferencing:

9:00 AM-17:30 PM (Beijing Time, GMT+08:00) on October 17-21, 2021 (China Time)

Join the conference room: <https://meeting.tencent.com/s/clrNcnReguNd>

Room ID: 180 849 866      Passcode: 105046

## **VII. Training Expenses**

The seminar is free of charge. Trainees should bear all the expenses incurred by the online session.



## VIII. Contact Information

College of Education and Training, Huazhong Agricultural University

Contact: Liqiong Xu

Tel: +86-027-87281870

Fax: +86-027-87286931

E-mail: [xkjs@mail.hzau.edu.cn](mailto:xkjs@mail.hzau.edu.cn)

Annex 1: Registration Form

Annex 2: Schedule

Huazhong Agricultural University

September 17, 2021

# 附件 Annex 1

## Registration FORM for CICA Smart Agriculture Seminar 报名表

(number not limited)



(scan for registration)

No. 序号	Member State 成员国	First Name 名	Family Name 姓	Organization 工作单位	Position 职务	Title of presentation ( if applicable) 交流题目	Whether present your talk with Powerpoint or just oral? ( if applicable) 交流形式	Cooperation Demand ( if applicable) 合作需求	Email 电邮	Mob 手机	N.B. 备注
1											
2											
3											
4											
5											
...											

**N.B.** please fill in CAPITAL LETTERS and ensure the information on the Nomination Form is accurate. and send the registration information by registration link: <https://www.wjx.top/vj/r9RQ1DZ.aspx> or scan the QR code in the upper right corner to register or return this registration form no later than October 15, 2021 to [xkjs@mail.hzau.edu.cn](mailto:xkjs@mail.hzau.edu.cn).



**the CICA Smart Agriculture Application and  
Development Seminar (PhaseIII)**

# **Training Guide**

**Host:Ministry of Foreign Affairs of the People's Republic of China**

**Ministry of Education of the People's Republic of China**

**Organizer:Huazhong Agricultural University**

**Co-organizer:Conference on Interaction and Confidence Building  
Measures in Asia**

**Date: October , 2021**

# Schedule for the CICA Smart Agriculture Application and Development Seminar (PhaseIII)

Wuhan, China

October 17-21, 2021

Date	Beijing Time (GMT+08:00)	Speaker and Title	
October 17	9:00-9:10	<b>Opening Ceremony</b>	<b>Host: A leader of Huazhong Agricultural University</b>
	9:00-9:10		Leaders deliver address
	9:00-17:30	<b>Section1</b>	<b>Biological Statistics and Smart Breeding:</b> Collection, deposition, and mining of biological big data at the multi-omics levels for cells, organs/tissues, individual, and population of species. Artificial intelligence and genomic selection breeding for future breeding to optimize human needs in agriculture.
	9:10-10:50		<b>Prof. Yuanming Zhang, Huazhong Agricultural University,</b> Identification and utilization of favorable genes of quantitative traits in modern breeding
	10:50-12:00		<b>Dr. Li Quan , BGI Institute of Applied Agriculture,</b> Gene technology in seed science and its odyssey towards oversea farming
	12:00-14:00		Break
	14:00-15:05		<b>Associate Prof. Yingjie Xiao, Huazhong Agricultural University,</b> Maize heterosis dissection and genomic breeding strategy
	15:05-15:30	<b>Section1</b>	<b>Associate Prof. Lingfeng Duan, Huazhong Agricultural University,</b> Machine learning and artificial intelligence in plant phenotyping
	15:30-15:55	<b>Host: Wanneng Yang</b>	<b>Dr.Hui Feng, Huazhong Agricultural University,</b> Hyperspectral imaging techniques and applications in plant phenotyping
	15:55-16:20		Break
	16:20-16:45		<b>Associate Prof. Ruifang Zhai, Huazhong Agricultural University,</b> Technology and application of 3D imaging in plant phenotyping
	16:45-17:05		<b>Associate Prof.Xiuying Liang , Huazhong Agricultural University,</b> Micro imaging technology and application in plant phenotyping
	17:05-17:30		<b>Associate Prof.Jianxiao Liu , Huazhong Agricultural University,</b> Technology and application of phenotype database

Date	Beijing Time (GMT+08:00)	Speaker and Title		
October 18	9:00-16:45	<b>Section2</b>	<b>Smart Equipment and Smart Production:</b> Internet of things, big data, cloud computing and other technologies in the management and application of smart agriculture before, during and after production.	
	9:00-10:10		<b>Qingchun Feng, Associate Researcher of Beijing Agricultural Intelligent Equipment Technology Research Center,</b> Development and application of agricultural robots in facility environment (Including virtual tour)	
	10:10-10:35		<b>Associate Prof. Peng Song, Huazhong Agricultural University,</b> Robotics technology and applications in plant phenotyping	
	10:35-11:45		<b>Benqiang Yin ,CEO of Qingdao WEBULL Intelligent Technology Limited Co.,</b> Intelligent Agriculture Solution of Rural Revitalization Strategy (Including virtual tour)	
	11:45-12:10		<b>Section2</b> <b>Host: Wanneng Yang</b>	<b>Associate Prof. Chenglong Huang, Huazhong Agricultural University,</b> Yield phenotyping and 3D phenotyping techniques
	12:10-14:00			Break
	14:00-15:10			<b>Xiaodong Wang, Ph.D of Beijing Agricultural Intelligent Equipment Technology Research Center,</b> Development and application of intelligent equipment in seed industry (Including virtual tour)
	15:10-16:20			<b>Assistant Prof. Lin Yang , Huazhong Agricultural University,</b> Application of people-centered Internet of Things technology in agricultural production
	16:20-16:45			<b>Associate Prof. Jian Zhang, Huazhong Agricultural University,</b> Unmanned aerial vehicle technology and application in plant phenotyping
	October 19		9:00-16:40	<b>Section3</b>
9:00-10:40		<b>Lin Chen, PI of Huazhong Agricultural University,</b> Digital agriculture landed, farming show wisdom (Including virtual tour)		
10:40-12:20		<b>Associate Prof. Yuan Huang , Huazhong Agricultural University,</b> Smart gardening practice: Use cases for smart horticulture		
12:20-14:00			Break	
14:00-15:20		<b>Section3</b> <b>Host: Peng Song</b>	<b>Jiangtao Dong, Chief Technology Officer of Shanghai Huawei Water Saving Technology Group Limited Co.,</b> Huawei intelligent agricultural technology and application cases (Including virtual tour)	
15:20-16:40		<b>Zhengzhong Xie , General Manager of Founder of Chengdu Zhi peng Agricultural Technology Limited Co.,</b> Facility Horticultural Closed-Loop Water System Contributes to Ecological Sustainable Development (Including virtual tour)		

Date	Beijing Time (GMT+08:00)	Speaker and Title	
October 20	9:00-17:00	Section4	<b>Smart Farm and Agricultural decision model:</b> Collection, deposition, and mining of agricultural big data at the macro, meso, micro levels, which can be accessed by satellite remote sensing, Hyperspectral sensing, radar etc. Construction of intelligent decision support system, development, integration and application of tools such as farmers' decision model, agricultural policy simulation model, crop growth model, etc.
	9:00-10:40		<b>Pro.Hang Xiong, Huazhong Agricultural University,</b> Development of smart agriculture and animal husbandry and construction of a new digital village (Including virtual tour)
	10:40-12:20	<b>Fei Han, Founder General Manager of Chongqing Nebula Cloud Technology Development Limited Co.,</b> Pan in the network fusion water fertilizer system to create the Internet of Everything ecosystem (Including virtual tour)	
	12:20-14:00	Section4 Host: Lin Chen	Break
	14:00-15:40		<b>Haiping Ren, CEO General Manager of Changsha Mo Green Wisdom Agriculture Limited Co.,</b> Development and Application of Smart Agriculture in Vegetable Planting and Orchard Planting (Including virtual tour)
	15:40-17:00	<b>Xuan Wang, Director of Guang Zhou XAG Technology Limited Co.,</b> Application of drones in agriculture-helping the construction of smart agriculture (Including virtual tour)	
October 21	9:00-12:40	Section5	<b>Intelligent agricultural decision:</b> Intelligent agricultural decision: Construction of intelligent decision support system, development, integration and application of tools such as farmers' decision model, agricultural policy simulation model, crop growth model, etc.
	9:00-10:20		<b>Kashing Lueng , Senior Vice General Manager of Guangxi Hi Sugar Technology Co.,</b> Digital construction to create a new sugar industry ecosystem (Including virtual tour)
	10:20-12:40	Section5 Host: Lin Li	<b>Smart-Agriculture Roundtable Exchange:</b> Exchange your agricultural issues, questions, needs and ideas with all experts in smart agriculture. Warmly welcome you to participate in this roundtable exchange and find out some collaborative programs in future.
	10:20-11:40		Sharing, discussion, and collaborative proposal
	11:40-12:40	Summary of seminar, Q&As for questionnaires	

●VooV Meeting Video Conferencing Testing:16:00 PM-18:00 PM(Beijing Time, GMT +08:00) on October 15 and October 16, 2021 (China Time)

Room ID: 553 653 392 Passcode:105046

●VooV Meeting Connecting to Video Conferencing:October 17–October 21, 2021 (China Time)

Room ID: 180 849 866 Passcode:105046