

**THE PEREZ-GUERRERO TRUST FUND FOR ECONOMIC AND TECHNICAL
COOPERATION AMONG DEVELOPING COUNTRIES**

INT/19/K05

Informatization and urban development for developing countries

Summary Report

CIFAL Shanghai International Training Center

January 26, 2020

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Part I. Project Overview

Type of project:	Inter-regional
Title:	Informatization and urban development for developing countries
PGTF inputs:	US\$ 27,000
Other inputs:	US\$ 57,000
Total cost of project:	US\$ 84,000

CIFAL Shanghai embrace a high reputation for bringing together individuals from developing countries for years to renew their knowledge and professional skills of Information Technology in the informatization and industrialization era. Accomplishments achieved by CIFAL Shanghai are well-demonstrated by the performance of more than 1229 beneficiaries from 127 countries.

In the upcoming years, CIFAL Shanghai will further benefit individuals from Governments, corporations, financial institutions, hospitals and private businesses from G77 by arising informatization construction awareness, endowing related knowledge and skills, enacting solutions in the urban development era. It was proposed that IT becomes the driving force of economic and social development in China. Informatization is positively correlated with the country's GDP and benefited urban management. A higher informatization level of a city is positively related to higher efficiency and faster economic growth.

Informatization provides opportunities and conditions for economic development, the enhancement of traditional industries, and the development of new information industries and high-and-new tech industries. Informatization has a great impact on urban development, bringing new ideas and innovative methods for city management. It changes the way of communication facilitated by the internet, connecting people from any corner around the world. It alters the way people live. An increasing number of freelancers, IT workers have emerged. IT jobs are increasingly becoming a popular occupation for youth.

In this context, new information technologies such as the internet of things, new-generation of mobile internet, next-generation internet, and cloud computing have been rapidly put into practice, bringing a revolution and positioning the concept of "smart city" as a popular development strategy. In a smart city, people can get medical treatment without going to hospital; government affairs can be operated online; traffic volume can be logically arranged and traffic jam avoided; and information about everything can be accessed by using a mobile phone, or any mobile device.

This seminar aims to facilitate the exchange of approaches for constructing informatization infrastructure in the context of urbanization. It will also promote knowledge transfer on Informatization and urban development, while fostering cooperation between China and developing countries.

Part II. Preparatory Phase

I. Establishment of project team

CIFAL Shanghai held a start-up meeting on the project, and immediately after the meeting, a project team was set up.

ID	Name	Position
1.	Mr. WANG Genxiang	Director of CIFAL Shanghai
2.	Mr. WU Yugang	Deputy Director of CIFAL Shanghai
3.	Ms. WANG Kemin	Deputy Director of CIFAL Shanghai
4.	Ms. WANG Jie	Division Director of CIFAL Shanghai
5.	Mr. XUE Hanye	Project Manager of CIFAL Shanghai
6.	Ms. CHEN Chaonu	Project Assistant of CIFAL Shanghai

II. Project Planning

This stage of work mainly includes the following aspects:

The whole programme includes dynamic courses and lectures, covering the following topics:

Current Situation and Future of Informatization Development in Shanghai
Internet Technology and Smart City
Urban Planning, information and communication
Informatization and urban life
Informatization and global cooperation
Case studies

The participants would know the definition of Smart City, how the Smart City is formed and clustered. By understanding S+CC (Smart Connected Community) mode, participants would be able to approach Internet Technology into urban management. Participants are asked to design their own proposal of a Smart City and lecturers would know the learning process of different students and make sure every participant has the best understanding of the courses. And the case study part is more like a successful story sharing meeting, participants would see the impacts of Smart City and informatization on urban management.

Through the integration of theoretical and practical training in the form of thematic lectures, special sessions, free discussion, case studies and on-site investigation, participants will be introduced to China and Shanghai's practices and achievements in the field of informatization development.

At the end of this course, participants will be able to:

- a. Identify China's best practices on Informatization development
- b. Recognize concrete ways on how to use information technology to promote urban development
- c. Discuss how to balance the environment and social development in the era of information

d. Describe strategies that promote Smart City development

Part III. Workshop and Site Visit

Workshop and Site Visit I: Seminar on Informatization and urban development for Samoa

I. Introduction

With the support of the Perez Guerrero Trust Fund - PGTF, on September 5, 2019, the CIFAL Shanghai International Training Center held the 'Seminar on Informatization and urban development for Samoa' at the International Innovation Base of the Shanghai Academy of Social Sciences. 20 government officials and technical experts from Samoa participated in the seminar.

In today's world, with the rapid progress in the application of information technology around the world, information technology has changed the way people communicate with each other, changed the way people work and lives, and has become the cornerstone that supports today's economic activities and social life. Informatization is based on modern communication, network, and database technologies. It summarizes the elements of the research object into a database, which is a technology that combines the life, work, learning, and decision-making of specific groups with various human-related behaviors. After this technology, it can greatly improve the efficiency of various behaviors, and provide great technical support for promoting human social progress. Improving the level of informatization can effectively improve the level of national development and help developing countries achieve the modernization process.

Among the lecturers invited by this seminar, there are government officials who have been working in the information industry department, are familiar with the development of different stages of China's information industry and have participated in the formulation of Shanghai's information industry development plan. They also have the experience of foreign study, lectures, work or visiting professors and participated in the research and development and implementation of several large-scale IT projects and is familiar with the development of urbanization.

In order to enable the trainees to understand the latest trends in the informatization and urban development, we have also invited corporate experts working in the front line and officials at all levels involved in urban construction to explain the examples in their daily work.

At the seminar, the participants had a heated discussion on the hottest topics in the field of application management informatization and urban development.



II. Lecture

1, informatization and urban development in China

In order to enable participants to better understand informatization and urban management progress in China, we invited Dr. Qiao Yuanqing to have a lecture. Dr. Qiao Yuanqing graduated from the University of Toronto, Canada, he worked in Canada for 7 years and has more than 20 years of experience in the information industry and made many presentations in the International Training Course on Information Technology organized by the United Nations Institute for Training and Research.

In the lecture, Dr. Qiao Yuanqing started with the theme of informatization and urban development, the social and economic development of China and Shanghai, introduced the environment and foundation created by the development of social and economic development to informatization. Dr. Qiao combines his own experience and feelings to explain the various aspects of informatization development and urban development to participants, simple and vivid, easy to understand, and brainstorming, allowing participants to choose a theme to discuss how to build an informatization project. During the construction of the project, Dr. Qiao introduced the role of the government, the infrastructure of the project planning, and the source of the funds. Finally, he described the benefits that the project brought to the parties. The participants actively joined in the discussion on the informatization and urban development project. Many suggestions were put forward and great confidence was expressed in the future development.

2, The information security in China

In order to enable participants to understand the importance of information security in informatization development and share the good practice in China, we invited Mr. Zhang Weigang, Project Director of Information and Data Security Solution Co., Ltd., to have a lecture. In his lecture, Mr. Zhang is more focused on using case studies to introduce the information security overview, information security products, information security technology and engineering, information security management, network security, information privacy technology, etc. to the participants. In recent years, the rapid development of Internet in China has driven several information security hazards in China. Based on his own work experience, Mr. Zhang also introduced the comparison between China's information security technology development and developed countries in the same field, combined with its own national conditions, pointed out China's future development direction in this field. Mr. Zhang 's introduction gave participants a general idea of the development of China, especially Shanghai, in the field of information security, and a general grasp of the international advanced level. In this way, combined with the actual situation of its' own country, participants can

learn from China's development trajectory to optimize the planning blueprint of the development of national information. In addition, Mr. Zhang also briefly introduced the countermeasures of common threats in the field of information security to help participants better understand their missing knowledge and lay the foundation for subsequent courses. Which enabled the participants to learn the theoretical knowledge and learn how the theory can be applied to the reality.



3. App-based e-commerce platform introduction and its application in China

In order to enable participants to understand the outcomes of informatization and how its applied in daily life, and how to combine the informatization into urban development to boost the economy growth, we invited Mr. Li Riyu, Project director of Alipay transportation payment department in China, to give a lecture about App-based e-commerce platform introduction and its 'application in China .

In China today, online shopping has become a way of life, and convenient e-commerce and mobile e-commerce cannot be separated from the development of information technology. Mr. Li introduced the the development history of China Mobile e-commerce and the application scenarios of Internet + commerce, highlighting the convenience of a paperless society. He also mentioned that Samoa has abundant tourism resources, mobile payment will greatly increase the convenience of tourists, especially Chinese tourists when they visit Samoa. Besides the lecture, Mr. Li invited Samoa participants to experience mobile e-commerce and scan QR code payment on the spot. The Samoan participants marveled at the convenience of China's e-commerce and stated that only a developed information industry can support such a convenient system.

At the end of the course, Mr. Li hoped the participants could have more opportunities to experience the outcomes of informatization and urban development in China and bring the successful experience back to their countries. The participants also said that they would promote and build their own e-commerce and e-payment platform and expand to more people after back home.



III. Site visit

In combination with the knowledge learned in the classroom, we also arrange for participants to visit enterprises, which will help them understand the current situation of informatization development in China.

1. Shanghai Weimob Co., Ltd.

Organized by CIFAL Shanghai, the participants visited Shanghai Weimob Co., Ltd. to experience and understand the most advanced e-commerce and payment solution in China.

Weimob Group, a Hong Kong-listed company, was established in April 2013. It has over 3,200 employees, over 1,600 channel agents, and over 3 million registered merchants. Weimob is China's leading provider of cloud business and marketing solutions for small and medium-sized enterprises, as well as a small and medium-sized enterprise precision marketing service provider for Tencent's social network service platform. It is a strategic partner of the center and a practical base for foreign aid training. Weimob builds a smart cloud ecosystem around business clouds, marketing clouds, and sales clouds, and empowers SMEs to achieve digital transformation through decentralized smart business solutions. Weimob is committed to helping enterprises transform and upgrade to digitalization through products and services, and drive business innovation through technology to make business smarter.

The General Director of Weimob Group Mr. Shi first led the participants to the group exhibition hall to introduce the development history of the group. Through the introduction and exchanges, the participants expressed their feelings that Weimob Group can develop to the current level in such a short period of time, and also expressed the youthfulness of the founding team. admiration. Then Mr. Shi introduced the group's solutions: micro mall, smart retail, smart restaurant, guest store, smart hotel, smart leisure, smart beauty industry, sales promotion, micro station, advertising assistant and other solutions. These cases can help customers in The new retail era improves operational efficiency and profitability. At the same time, the operation mode of Weimob Group was introduced. Weimob Group precision marketing business provides big-data, intelligent algorithms, marketing automation and other technologies and high-quality media sources to provide advertisers with one-

stop precision marketing services. At the same time, the Weimob Group cloud platform under Weimob Group attracts third-party developers by opening the its core product technology capabilities to build a cloud ecosystem and provide merchants with more application options and better services. Later, the trainees were attracted by the unmanned supermarkets of Weimob Group. Mr. Shi demonstrated to the participants how to shop in the unmanned supermarkets, and invited trainee representatives to try shopping, and explained the key technologies and related algorithms to the trainees. The participants discussed with Mr. Shi about the supermarket and explored the possibility of establishing an unattended supermarket in Samoa.



2. Visit Yunqi Town

Yunqi Town, Hangzhou city is an industrial town dominated by cloud ecology, which is planned to be built on the two platforms of Alibaba Bayun Company and Zhuantang Science and Technology Economic Park. In 2016, the town has introduced 433 enterprises, including Aliyun, Foxconn Technology, Intel, China Aviation Industry, Ginkgo Valley Capital, Huatongyun Data, DreamWorks, Rococo Design Group, including 321 cloud-related enterprises. The industry covers large data, APP development, games, Internet finance, mobile Internet and other fields, and has initially formed a relatively perfect cloud computing industry ecology. From 2016 to August, the total revenue of small towns reached 245 million yuan, an increase of 108.18%. With the emergence of cloud computing industry agglomeration effect, small towns are closely around innovation and entrepreneurship, building an innovation ecosystem of "innovation pasture - industry black soil - technology blue sky" to promote industrial development.

At first, the participants came to the exhibition hall to hear a brief introduction of Yunqi Town, and saw the whole town from planning to completion of the construction process. The participants in the exhibition hall are most interested in the display of several high-tech products, including specially designed for children can automatically lift desks, household waterproof sockets and other novelty products, so that the participants continue to appreciate. After that, under the leadership of the park staff, the trainees visited the whole park. During the course of the staff's tour, the staff introduced to the trainees in detail the functions or implications of every building and landscape in the park.



IV. Summary

Through the seminar, the participants have a comprehensive and objective understanding of China's achievements and accumulated experience in informatization and urban development and can establish a scientific and pragmatic concept of informatization construction. After the seminar, the participants expressed their desire to further cooperate with China's urban planning management department and information security technology company. The seminar has achieved remarkable results. On behalf of their governments or units, the participants expressed their desire to continue sending staff to China for training. At the same time, they sent invitations to visit their host countries.

Workshop and Site Visit II:

Seminar on Informatization and urban development for developing countries

I. Introduction

Supported by the Perez Guerrero Trust Fund - PGTF, CIFAL Shanghai International Training Center held a three-day Seminar on Informatization and urban development for developing countries at the International Innovation Base of the Shanghai Academy of Social Sciences from 10 to 12 September 2019. A total of 34 government officials and scholars from Bangladesh, Cuba, Egypt, Ethiopia, Ghana, Malaysia, Nigeria, Pakistan, Panama, Suriname, East Timor, Uruguay, and Zimbabwe participated.

At present, the world has entered an era of globalization and informatization. The rapid development of information technology has not only greatly accelerated the process of globalization, made our communication and communication more and more convenient, but also laid the foundation for the rapid development of the city we lived. In today, urbanization could have more convenience combine with informatization in management area, it has penetrated into all aspects of social development, changing our urban life and constantly affecting our behavior.

The course of this seminar closely revolves around the theme of "informatization and urban development", which covers many aspects of informatization construction and urban development management. The Center invited a number of government officials and senior experts to serve as teachers of the seminar.



II. Lecture

1. information technology and Smart city

Smart City is a hot topic in recent years, in order to introduce this advanced urban management idea and share the newest Smart City solution in China, CIFAL Shanghai invited Mrs. Jin, the general manager from Shanghai Quectel Co., Ltd. Quectel is the leading global supplier of cellular and GNSS modules, with a broad product portfolio covering the most recent wireless technologies of 5G, LTE/LTE-A, NB-IoT/LTE-M, UMTS/HSPA(+), GSM/GPRS and GNSS. As a professional IoT technology developer and cellular module supplier, Quectel is able to provide one-stop services for IoT cellular modules. Quectel products have been widely applied in IoT/M2M fields including smart payment, telematics and transport, smart energy, smart cities, security, wireless gateways, industry, healthcare, agriculture, and environment monitoring.

Mrs. Jin firstly introduced the development periods of informatization in China and showed the outcomes of Information technology and Smart City development in Shanghai in the past 10 years. Then Mrs. Jin introduced Quectel Co., Ltd from the products and solutions prospects. As the global leading telecommunication hardware supplier, Quectel has various products and different function based on market demands. Its Products are widely used in wireless payment, vehicle transportation, smart energy, smart cities, smart security, wireless gateways, industrial applications, medical health and agricultural environments, and many other fields, providing communication module solutions for IoT terminals in global markets. The advanced technology of Quectel Communication made the participants' eyes wide open. They all understand that advanced hardware is also an important part of technological development and hope to establish cooperation with Quectel.



2. Big data and Smart City construction

Today's society is a rapidly developing society with advanced technology and information circulation. People are getting closer and closer, and life is becoming more and more convenient. Big data is the product of this high-tech era. In order to make trainees more big data, our center specially invited Mr. Xu Jingyuan, a senior consultant of Shanghai Jiuzhan Information Technology Co., Ltd., to explain to participants about big data and the construction of smart cities.

Mr. Xu Jingyuan is more focused on the practical convenience of big data. Because Mr. Xu has been

engaged in the practical operation of big data software for many years, he was more inclined to hope that participants can practice on the computer. In the beginning of the class, Mr. Xu introduced big data and good data mining for a short period of time. In terms of theoretical knowledge, Mr. Xu also explained the data processing and data mining modes to the participants, so that they could be more effective in the subsequent operation good understanding. Later, Mr. Xu introduced the Inforstack platform to the participants. Shanghai Fortune Information Technology Co., Ltd. (InforStack) was established in January 2013. It is the only agent of IDBS in China, focusing on data management and data in the field of life sciences. Analyze the solution. InforStack's predecessor is IDBS Shanghai Branch-founded in 1999, has been committed to developing world-leading commercial software in the field of high-performance computing and large-scale data mining. Mr. Xu uses the remaining time to give each participant the opportunity to practice how to operate the InforStack Suite platform. Mr. Xu arranges tasks for participants, and step by step how instructors do it, and encourages participants to do it by themselves. Patiently teach each participant the book over and over again.



3. Information security problems and Countermeasures in urban management

Mr. Zhang Weigang, Project Director of Information and Data Security Solution Co., Ltd. has brought participants a report on information security problems and Countermeasures in urban management.

Mr. Zhang Weigang systematically introduced the threats and challenges faced by the rapid development of information technology in today's information-developed era, taking information security as the theme. Mr. Zhang cited many examples of information technology enterprises at home and abroad to show the participants the risks in this field intuitively. Then, Mr. Zhang introduced to the participants the risks in this field, such as what measures and solutions should be taken and the information security management system derived therefrom. In the course, Mr. Zhang introduced in detail the threat, demand and technical level of information security. Starting from an example, the participants have a more comprehensive understanding of information security, and they benefit a lot from the course.

4. Smart City Informatization Research and New era Urban management

Mr. Li Riyu, Project director of Alipay transportation payment department, give the lectures on the knowledge of Smart City Informatization Research and New era Urban management to participants in the seminar. Mr. Li explained to the participants the development process and thinking of informatization development and urban management in China, including three main contents: the core elements of Smart City, the brief development process of Smart City in China, and the model representatives of information technology industry.

In the first part of the core elements of Smart City, the participants showed great interest in the intelligent monitor cabinet in infrastructure construction, and raised a lot of questions, such as the operation process and operation mode of the intelligent monitor cabinet. Mr. Li answered the participants' questions, but also made a lot of extracurricular extension, to meet everyone's needs for extracurricular content. When talking about the operation platform, Mr. Li placed application to check his own social welfare account on a mobile phone software, the result shown rapidly. With practical operation, participants really appreciated the real-time and convenience of China's information technology application in Smart City. Let them have a more intuitive and comprehensive understanding of Smart City.

In the second part of the content, Mr. Li showed the participants a small part of the development process and achievements of China's informatization and urban development through video teaching. The participants were deeply impressed by this. They agreed that informatization provided favorable conditions for ordinary people and helped them improve their living standards.



III. Site visit

Under the arrangement of CIFAL Shanghai international training center, the participants visited Shanghai Essino Aerospace Information Co., Ltd., Shanghai (International) Tax Service Center and Shanghai Weimob Enterprise Development Co., Ltd. Through on-site visits, participants have a more intuitive understanding of the knowledge learned during the seminar, full of confidence in the

prospects of information technology to promote the development of e-commerce, and fully appreciate the important role of e-commerce development in promoting the healthy development of the country and social economy.

1. Visit Shanghai Essino Co., Ltd.

Organized by CIFAL Shanghai, participants came to Shanghai Aixinuo Aerospace Information Co., Ltd. for a visit. First, the leaders of Essino visited the R&D Department of the company's core department with the trainees. At the same time, they briefly introduced the development process, current situation and future direction of the company. As a central enterprise, Essino has successfully developed a number of industries which can be used as a typical representative for participants to learn.

After visiting the company's overall environmental structure, the head of the R&D Department of Essino explained to the participants one of the company's main projects, electronic invoices. As the R&D and operation Party of electronic invoice, Essino introduced the generation, development, advantages and application of electronic invoice. In order to make participants understand electronic invoices better, we also demonstrated how to obtain electronic invoices on the big screen and told participants the convenience and benefits of electronic invoices to the people in this vivid way.

During the discussion, participants expressed concern about the popularity of electronic invoices. The head of the R&D Department explained that the traditional invoices still exist, but because of the complexity of operation and the difficulty of preservation, the generation of electronic invoices has naturally been recognized by everyone, and there is no need to do much publicity and promotion activities. At the end of the study tour, the participants said that they had learned a lot.



2. Visit Shanghai (International) Tax Service Center

Organized by CIFAL Shanghai, participants visited the Shanghai (International) Tax Service Center to learn about China's tax policy and related knowledge. Under the guidance of Mr. Wang Liangmu, deputy director of Shanghai Tax Service Center, the participants have a basic understanding of

China's tax system.

With the help of the lecturer, the Chinese taxation service system is clearly displayed in front of participants. There are many tax services centers with many excellent service personnel and convenient online operation platform, which provide convenience for every taxpayer in China. At the same time, the lecturer demonstrates how to use the Internet for tax payment process and online consultation on the display machine. Participants also learned about taxation in China through self-made teaching videos of tax service centers, such as China's current tax system, major tax reform, and serving the national strategy. The lecturer also introduced ancient Chinese tax ideas and systems to help participants better understand the emergence and future trend of the current tax system. Participants took this opportunity to have a profound exchange with Vice President Wang and exchanged their ideas and opinions on taxation.



3. Visit Shanghai Weimob Enterprise Development Co., Ltd.

The participants visited Shanghai Weimob Enterprise Development Co., Ltd., an excellent Internet enterprise in Shanghai. At first, Mr. You Fengtun, the Vice President of Weimob Company, made a brief introduction to the company. From the establishment of the company to the main business projects, participants understood how a small team developed into a large company.

Then Shi Jianyu, director of media project of Weimob Company, showed the participants a real project of Weimob Company, intelligent container and intelligent super-merchant. The participants were amazed by the convenience brought by advanced technology to their daily life. In the question-and-answer session, the participants proposed that as a newly developed area of e-commerce, Internet companies like Weimob need the support of government departments, and what policy changes are needed to make such emerging companies develop faster and better. Director Shi said that according to the different national conditions, the government has different reactions to the market, but in general, the government should give full support in order to promote the healthy development of new industries.

IV. Summary

Through the seminar, the participants have a comprehensive and objective understanding of China's achievements and accumulated experience in the field of information technology application and can establish a scientific and pragmatic concept of information technology application and urban development. After the seminar, the participants expressed their desire to further cooperate with China's information technology enterprises companies. The seminar has achieved remarkable results. Both the Center and the workshop participants hope that after the seminar, the two sides can further strengthen exchanges and cooperation.

Workshop III: Seminar on E-Government and Urban Informatization for North Macedonia

I. Introduction

Supported by the Perez Guerrero Trust Fund - PGTF, on October 12, 2019, CIFAL Shanghai International Training Center held a seminar on planning, development and practice of E-government and Urban Information for North Macedonia at the international innovation base in branch campus of Shanghai Academy of Social Sciences. A total of 17 officials from government departments and central bank engaged in e-government and urban development planning and management participated in the seminar.

The course of this seminar closely revolves around the theme of "E-government and urban informatization", which covers many aspects of E-government and urban management. The Center has invited many government officials and senior experts to serve as the lecturers of the seminar.

Lecturers are familiar with the development of China's information technology industry at different stages and have participated in the formulation of Shanghai's information technology industry development plan. Professors have the experience of studying abroad, lecturing, working or visiting professors. Lecturers have returned to China for many years to work or start businesses. They have participated in the research and development and implementation of many large IT projects and are familiar with the development of domestic e-government construction project. In order to enable the participants to understand the latest trends in the application and management of e-government information systems, we also invited experts from enterprises working in the front line and officials at all levels involved in urban construction to give lectures on their visits and examples in their daily work. Our center also discussed with the participants the hottest topics in the field of e-government information system application management, and invited experts and senior managers in this field to teach for the participants.



II. Lecture

1. Overview of China and Shanghai's E-government Development

Mr. Wang Deli, Professor Doctor from Donghua University, gave participants a section entitled "An Overview of China and Shanghai's E-government Development ". Taking this topic as the first lesson of the participants, not only can the participants have a basic concept of the history of the informatization and related technology application in China, but also can the lecturer have a better understanding of the participants' national conditions, so that the follow-up discussion and exchanges can be better implemented. The one-day course mainly includes three aspects: the development of information technology in Shanghai and China, the development of e-Government in China, and the comparison and analysis of the differences between China and the world in the development E-government.



Professor Wang has been deeply involved in E-government research for many years. He has extensive theoretical and practical experience in E-government construction and development. He has been invited to give lectures on E-government topics for officials from Russia, Vietnam, Thailand and other countries. He first introduced the basic concepts of smart e-government. Compared to the traditional e-government model, smart e-government relies on big data, cloud

computing and artificial intelligence. It focuses on improving efficiency, reducing unnecessary communication, and saving office time. The new ideas and perspectives brought by Professor Wang opened the room for the participants, and they had a heated discussion with Professor Wang. Later, Professor Wang introduced the possible problems and countermeasures in the development process of E-government to the trainees through the development process and specific cases of E-government in China. The trainees said that Professor Wang's course was easy to understand and

full of knowledge, and they left Professor Wang's contact information in hopes of further obtaining Professor Wang's views and insights in developing e-government.

2. The Development of E-government and its application in China

Mr. Yin Zhipeng, Senior Director of Yiduyun Co.,Ltd., combined with the business development of his company, gave a lecture on " The Development of E-government and its application in China" to the seminar participants.

Many participants are engaged in government informatization work, but they may not know the history of the development of information technology. In order to help them have better understanding of informatization development and understand the various stages in the process of informatization, Mr. Yin briefly introduced his work experience and understanding of informatization construction, and emphasized his project experience in assisting local governments in informatization in India, so that participants can improve the informatization of the government of North Macedonia. The degree has the object of reference and learning. Mr. Yin Zhipeng gave development suggestions on the current situation of informatization in North Macedonia and introduced the future development trends of information technology to the trainees. He also said that the more backward the infrastructure, the more chance there is to achieve overtaking on the curve. Products and solutions can achieve informatization efficiently and cost-effectively. The trainees said that the opinion of Mr. Yin was very valuable and hoped that they could discuss the feasibility with the leaders of their own country after returning home.



3. E-government solution-refined urban management

In order to help participants have better understanding of the application of e-government in China, CIFAL Shanghai invited Mr. Li Riyu, Project Director of Alipay Transportation Hub, to present a lecturer about "E-government solution-refined urban management".

With the development of China's national economy, cities are becoming larger and larger, and the population of cities is increasing. How to improve the efficiency of government offices through the e-government system and achieve refined management is one of the goals for the development of information technology and e-government. Mr. Li first introduced how modern information technology serves the e-government information collection terminal and demonstrated the e-government self-service terminal equipment that has been put into operation in Shanghai. Then, Mr. Li introduced the concept of refined management and the components of related systems. The total population of North Macedonia is slightly lower than that of Shanghai. Mr. Li took Shanghai as a case and introduced the detailed management of e-government services such as medical treatment, household registration, and taxation in Shanghai. The trainees raised questions about what Mr. Li said, and Mr. Li also answered one by one to help the trainees solve.



III. Summary

Through the seminar, the participants have a comprehensive and objective understanding of China's achievements and accumulated experience in the field of e-government information technology application and can establish a scientific and pragmatic concept of e-government and information technology application. After the seminar, the participants expressed their desire to further cooperate with China's information technology companies.

Annex

I. Financial Report

II. Participant List

Annex 1.

Financial Report (INT19K05)

No.	Workshop	RMB	US\$
1	Seminar on Informatization and urban development for Samoa	66,000	9,233.4
2	Seminar on Informatization and urban development for developing countries	82,100	11,535.05
3	Seminar on E-Government and Urban Informatization for North Macedonia	44,500	6,278.95
	Total	192,600	27,047

Financial Report for INT19K05 Workshop and site visit 1

Theme	Seminar on Informatization and urban development for Samoa
Date	September 5 2019
Venue	Meeting Room, ground floor, Shanghai Yishang Hotel
On-site Visit	Shanghai Weimob Co., Ltd. Hangzhou Yunqi Town
Hotel	Shanghai Yishang Hotel
Participant Number	20

1RMB=0.1399US\$

Item	Description	RMB	USD
Workshop place and Equipment		6,000	839.4
Training Materials		6,000	839.4
Lecturer	3 lecturers	12,000	1,678.8
Facilities	photograph, banner, etc.	1,000	139.9
Transportation	Bus Rent	4,000	559.6
Accommodation		12,000	1,678.8

Site Visit		25,000	3,497.5
		66,000	9233.4

Financial Report for INT19K05 Workshop and site visit 2

Theme	Seminar on Informatization and urban development for developing countries
Date	September 10 to 12 2019
Venue	Meeting Room, 13th Floor, Shanghai Fuyi Hotel
On-site Visit	Shanghai Essino Co., Ltd. Shanghai Weimob Enterprise Development Co., Ltd. Shanghai (International) Tax Service Center
Hotel	Shanghai Fuyi Hotel
Participant Number	34

1RMB=0.1405US\$

Item	Description	RMB	USD
Workshop place and Equipment		6,000	843
Training Materials		7,200	1011.6
Lecturer	4 lecturers	24,000	3,372
Facilities	photograph, banner, etc.	2,500	351.25
Transportation	Bus Rent	4,000	562
Accommodation		20,400	2,866.2
Site Visit		18,000	2,529
		82,100	11535.05

Financial Report for INT19K05 Workshop 3

Theme	Seminar on E-Government and Urban Informatization for North Macedonia
Date	October 12, 2019
Venue	Meeting Room, 13th Floor, Shanghai Fuyi Hotel
On-site Visit	
Hotel	Shanghai Fuyi Hotel
Participant Number	17

1RMB=0.1411US\$

Item	Description	RMB	USD
Workshop place and Equipment		6,000	846.6
Training Materials		5,100	719.61
Lecturer	3 lecturers	18,000	2,539.8
Facilities	photograph, banner, etc.	1,200	169.32
Accommodation		10,200	1,439.22
Transportation	Bus Rent	4,000	564.4
		44,500	6278.95

Annex 2.
Participant List

Seminar on Informatization and urban development for Samoa

No.	Full Name	Gender	Position	Organization
1	Fofogaolevai Evalu	Male	Senior IT	Mimistry of Finance
2	Eteuati Esau	Male	Senior IT	Office of the Clerk of the Legislative Assembly
3	Onesemo Ielu	Male	Senior IT	Samoa Tourism Authority
4	Maria Lourdes Aloema Ilalio	Female	IT Officer	Computer Services Limited
5	Himalaya Faasii	Male	Principal Information Technology Officer	Scientific Research Organisation of Samoa
6	Tivani Afoa	Male	Senior System analyst	electric power cooperation
7	Belinda Salani Lesa	Female	SystemsAdministrator	Samoa Water Authority
8	Ferilla Uatisone	Female	I.T Officer	Central Bank of Samoa
9	Peter Leaveave Molimau Aokuso	Male	Networking adminstrator	Ministry of health
10	Christian Mapusaga Siitia	Male	IT Officer	Samoa Airport Authority

11	Fuatimu Uesi Semisi	Male	PC Network Officer	Ministry of Education Sports and Culture
12	Morayma Mary Magarette Jodana Ah Kuoi	Female	Principal IT	Samoa Land Corporation
13	Victoria Patricia Lui	Female	IT Officer	Samoa International Finance Bureau
14	Heinz Fretton	Male	Principal IT	Samoa Shipping Corporation Limited
15	Eleanor Tanya Fakaua	Female	Principal Information Technology Officer	Samoa Qualifications Authority
16	Chang Wang Fua Sia	Male	IT Officer	Ministry Of Police
17	Anisi Christian Tua	Male	Principal Information Technology Officer	Accident Compensation Corporation
18	Jerry Anani	Male	Information Technology Officer	Ministry of Telecom and Information Technology in Samoa
19	Lucy Grace Vaipou Asofitu Semu	Female	Advisory Officer- Developments	Samoa Trust Estates Corporation
20	Petelo Ioane Leota	Male	Director ICTI	Samoa Audit Office

Seminar on Informatization and urban development for developing countries

No.	Full Name	Gender	Nationality	Position	Organization
1	Farzana Yeasmin	Female	Bangladesh	Assistant Secretary	Division Of information & communication Technology
2	Tasnova Chowdhury	Female	Bangladesh	Assistant Programmer	Department Of Information & communication Technology
3	Diana Rosa Zapata Vizcaino	Female	Cuba	Specialist Informatizacion	Ministry of Comunication
4	Patricia Tenorio Esclarazan	Female	Cuba	Administration Public	Ministry of Communications of Cuba
5	Laura Beatriz Gonzalez Hernandez	Female	Cuba	Lawyer	Ministry of Comunication
6	Cecilia Valdes Milian	Female	Cuba	Administration Public	Ministry of Communications of Cuba
7	Sahar Abbas Abdelrahman Aly Ammar	Female	Egypt	International Trade policies Researcher	Ministryof Trade& Industry(Trade Agreements Sector)
8	Aber Rafat Elmeadawy Youssef	Female	Egypt	CEO OF Castle Journal group for journalism and media	Castle Journal british Group of Journalism and Media
9	Rahel Teshome Wakjira	Female	Ethiopia	Protocol Director	Mayor office
10	Mekiya Ahmed Kelil	Female	Ethiopia	Manager	Government Organization
11	Alem Feleke Berhe	Male	Ethiopia	Constraction Building Appoint(leader)	Diredawa building permite and control office
12	Ahmed Bushra Ahmed	Male	Ethiopia	Director	Oromia Piresdant Office
13	Daniel Ofosu-Asare	Male	Ghana	Deputy Desk Officer	Bureau of National Communications - IT Division

14	Derrick Asare-Bediako	Male	Ghana	Assistant Analyst	Bureau of National Communications - Network Operation Center
15	Jonathan Christian Nii TeikoMagnusen	Male	Ghana	Assistant Analyst	Bureau of National Communications - Network Operation Center
16	Pok Wei Fong	Female	Malaysia	Deputy Dean	University Tunku Abdul Rahman
17	Rosnadi Bin Majid	Male	Malaysia	Senior Principal Assistant Director	National Housing Department, Ministry of Housing and Local Government
18	Gebah Zambe Hanoch	Male	Nigeria	Assistant Director (ICT)	Office of the Secretary to the Government of the Federation (OSGF)
19	Ugochukwu Berthram Nwangwu	Male	Nigeria	Principal Computer Engineer	Office of the Secretary to the Government of the Federation (OSGF)
20	Muhammad Khawar Najeeb	Male	Pakistan	Planning Officer (Coordination)	Planning & Development Department GoAJK
21	Lizeyka Miroslava Dominguez Espitia	Female	Panama	Accounting	Benemerito Cuerpo de Bomberos de la Republica de Panama
22	Onesimo Alcides Morales Atencio	Male	Panama	Teacher	Ministry of Education
23	Sergio Antonio Campos Barria	Male	Panama	Analyst, pilot	Copa Airlines
24	Vicente Sanger Agrio	Male	Panama	Analyst	Aeronavy
25	Lucina Candacee Ashanti Pengel	Female	Suriname	Office Editor	National Information Institute
26	Rinaldo Edmund Dors	Male	Suriname	Chief Editor	National Information Institute
27	Luis Dos Anjos Soares	Male	Timor-Leste	Trainer	INAP (Instituto Nacional da Administracao Publica)

28	Augusto Da Costa	Male	Timor-Leste	Trainer	INAP (Instituto Nacional da Administracao Publica)
29	Domingos Pereira Felix	Male	Timor-Leste	Trainer	Training Center for Civil Servants
30	Veronica Mesa Benzano	Female	Uruguay	Researcher	University of Republic Institute
31	Gumburai Wadzwanya	Female	Zimbabwe	District Development Coordinator	Ministry of Local Government, Public Works And National Housing
32	Friend Ngirazi	Male	Zimbabwe	Principal Administration Officer	Ministry of Local Government
33	Munashe Huragu	Male	Zimbabwe	Programmes and Projects Officer	Ministry of Local Government
34	Blessing Munakamwe	Male	Zimbabwe	Acting Chief Land Surveyor	Department of the Surveyor General ,Zimbabwe

Seminar on E-Government and Urban Informatization for North Macedonia

No.	Name	Gender	Position	Organization
1	Slavche Dupkarovski	Male	Deputy head of Human resources department	Tge Generally secretary, The Government of the Republic of North Macedonia
2	Pajtim Isufi	Male	junior Associate in Unit for Protocol and Management	secretariat for european affairs
3	Marija Kitanska Cvetkovska	Female	system administrator in IT department	Ministry of Finance
4	Ninoslav Markovikj	Male	head of It Security and control unit	National Bank of Republic of North Macedonia
5	Jasmina Stojcheva	Female	Senior IT expert	Agency for electronic communications
6	Berat Ajdari	Male	deputy head of IT departement	Crisis managemnet
7	Ana Arizanovikj	Female	Head of IT Infrastructure and IT Security	Customs Administration
8	Igor Dimovski	Male	Head of System and Technical support Unit	Ministry of Interior
9	Gjiljdjan Memeti	Female	member of board	Ministry for political sistem and inter-community relations
10	Ervin Redjepagikj	Male	member of board	agency for electronic comunication
11	Gjiljdjane Sakjipi	Female	Advisor	Ministry for political sistem and inter-community relations
12	Gordana Sharkovska Bujaroska	Female	Head of IT Development Unit	Ministry of interior

13	Rijat Abdulai	Male	Deputy director	Natonal Bank of the Republic of North Macedonia
14	Islam Aliu	Male	Advisor	Commission for Protection of Competition
15	Agron Bekjiri	Male	senior associate for implementing of EU programmes	secretariat for european affairs
16	Blagica Mitkovska	Female	Head of Unit for Protocol and Management	Secretariat for european affairs
17	Naser Rizai	Male	Junior Associate in Unit for Protocol and Management	Secretariat for european affairs