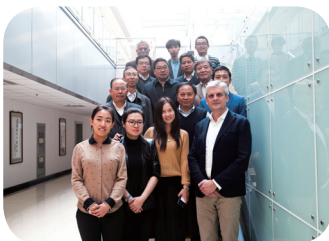




International Knowledge Centre
for Engineering Sciences and Technology
under the Auspices of UNESCO
联合国教科文组织国际工程科技知识中心

Newsletter

March 2018 No. 1



International Knowledge Centre for Engineering Sciences
and Technology under the Auspices of UNESCO



**International Knowledge Centre
for Engineering Sciences and Technology
under the Auspices of UNESCO
联合国教科文组织国际工程科技知识中心**

The International Knowledge Centre for Engineering Sciences and Technology (shortened as “IKCEST”) is a category 2 centre under the auspices of the United Nations Educational, Scientific and Cultural Organization (shortened as “UNESCO”). IKCEST was established on June 2, 2014. The Chinese Academy of Engineering is responsible for the operation and management of the IKCEST.

Under the auspices of UNESCO, IKCEST is a comprehensive and international knowledge centre devoted to the engineering sciences, technology and applied technology. IKCEST aims at connecting engineering sciences and technology institutions globally, assembling various digital resources relating to engineering sciences and technology, building up a public data service platform and corresponding service environment, and coordinating the building of various professional knowledge systems, thus providing knowledge-based services at a global scale in the form of consultancies, scientific research and education for policy-makers and engineering science and technology professionals in the world, with particular reference to the developing countries.

The specific tasks and functions of IKCEST are as follows: to establish an international engineering and technology resources hub; to establish a public data service platform, and to develop the technology for mining and analyzing knowledge from big data; to cooperatively build professional knowledge service systems, and to build capacity in developing countries; to foster interdisciplinary engineering talents with big data processing ability; and to assist UNESCO to fulfill its aims and support its action plans.

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» IKCEST News

IKCEST Silk Road Training Base held 2018 1st (the 25th in total) Training Program for Silk Road Engineering Science and Technology Development

From January 13 to 16, the IKCEST Silk Road Training Base held the first training program in 2018 (the 25th in total) on “innovative applications of artificial intelligence and big data” for Silk Road Engineering Science and Technology Development, which provided training for 28 overseas trainees from 9 Belt and Road countries including Pakistan, Thailand, Kenya and Congo.

The four-day training program covered specialized courses including introduction to artificial intelligence, autonomous driving, development and

commercial application of information technology, and data productization and management, and public courses such as a brief history of China's international exchanges, history and future of the Belt and Road, and legal issues of the entertainment industry. The training also featured an on-site 3D printing demonstration.

After the conclusion of the class, IKCEST and Xi'an Jiaotong University jointly conferred graduation certificates to qualified trainees.



Conference on IKCEST Disaster Risk Reduction Knowledge Service System construction held in Beijing

Meeting on the construction of the Disaster Risk Reduction Knowledge Service System (DRR) of the International Knowledge Centre for Engineering Sciences and Technology (IKCEST) was held in room 334 of Chinese Academy of Engineering on January 25, 2018. Song Dexiong, Executive Deputy Director of IKCEST, attended the meeting. Other participants including Liu Chang and Fang Ying from the IKCEST Secretariat and Wang Juanle, Yang Fei, Han Xuehua and Yuan Yuelel from the expert team of DRR.

Wang Juanle kicked off the meeting with a report on the outcome of the first international symposium on disaster risk reduction knowledge service, and offered solutions based on the opinions shared by the experts during the symposium. The seminar concluded with a 12-point summary and a host of measures on cooperation and innovation. Regarding the formulation of metadata standards for disaster risk reduction, he suggested to start with setting up domestic standards and heed the opinions conveyed through peer review.





After that, Wang Juanle reported on the progress of work in 2017 and the work plan for 2018. Song Dexiong spoke highly of DRR's performance at the current stage in areas such as team building, work delivery and international cooperation. He stressed the need to follow the actual application of metadata standards, attract and bring in more users, echo the call of the UNESCO and respond to its seven cooperation initiatives, continue to boost the scale, level and influence of the international symposium on disaster risk reduction knowledge service.

Liu Chang from the IKCEST Secretariat dis-

cussed some detailed issues with the expert team and offered suggestions on areas such as the alignment between the best metadata practices in the current stage and the national standards, difference between special knowledge services and knowledge applications and experience sharing in data quality control. At the end of the meeting, the two sides exchanged views on the preliminary program of the visit to the UNESCO headquarters in 2018. Wang Juanle pledged on behalf of the expert team that the DRR will live up to its mission and strive for new achievements in the year ahead.

IKCEST Silk Road Training Base held 2018 2nd (the 26th in total) Training Program for Silk Road Engineering Science and Technology Development at Ningxia Medical University

The 2nd (the 26th in total) Training Program for Silk Road Engineering Science and Technology Development, sponsored by the IKCEST Silk Road Training Base and organized by the Xi'an Jiaotong University and Ningxia Medical University was held from January 27 to 29, which provided training for 56 international students at Ningxia Medical University from the Belt and Road countries including India, Pakistan, Bangladesh, Senegal, Tanzania, Iran and Zambia.

The contents of the three-day training were comprehensive, up-to-date and practical, including the history and future of the Belt and Road and latest development and specialized knowledge of basic medicine and clinical medicine, given by excellent teachers of Health Science Center of Xi'an

Jiaotong University. The training was highly praised by Ningxia Medical University's relevant department heads and the trainees. They expressed their thanks for the previous training offered by IKCEST Silk Road Training Base and their expectation to deepen Belt and Road cooperation with IKCEST Silk Road Training Base and Xi'an Jiaotong University to make contribution to the talent cultivation and the economic and social development in Belt and Road countries and European, Asian and African regions through cultural, technological and educational exchanges.

After the conclusion of the program, the sponsor and organizers jointly conferred graduation certificates to qualified trainees.



IKCEST representatives attended the 2018 annual conference of the Alliance of UNESCO Category 2 Centers in China

The 2018 annual conference of the alliance of UNESCO Category 2 Centers in China was held in Suzhou on January 29, 2018. The participants discussed the development of category 2 centers in China, the challenges faced by the centers and possible solutions. Liu Chang and Fang Ying from the Secretariat of the International Knowledge Centre for Engineering Sciences and Technology (IKCEST) attended the meeting upon invitation. Liu Chang reported on the main progress of IKCEST in 2017, explored the common challenges of category 2 centers and offered suggestions on the future work of the centers. She pointed out that IKCEST had made smooth progress and notable achievements in all areas of its work in 2017. However, like other category 2 centers, it also faces such challenges as the lack of independent legal person identity, unstable source of income, complicated administrative restrictions and limited opportunities

of exchange with other category 2 centers in China. To address these challenges, she called on the alliance to seek more support for the category 2 centers, strengthen exchanges and communication between category 2 centers in China to build greater synergy, support the building of the information and knowledge sharing platform of the category 2 centers, explore the model of data cooperation and contribute Chinese wisdom to the realization of sustainable development goals.

Following the discussion, the participants reached consensus on 7 aspects such as the meeting mechanism of the alliance, innovation in the model of cooperation of category 2 centers, and the base for the activities of category 2 centers. Liu Chang, the representative of IKCEST, was elected the Deputy Secretary-General of the Alliance of UNESCO Category 2 Centers in the field of the science service mechanism in China.



Vice Premier Liu Yandong visited the Chinese Academy of Engineering and gave instructions on IKCEST construction

Vice Premier Liu Yandong visited the Chinese Academy of Engineering (CAE) on 31 January 2018, during which she investigated the progress of the construction of the International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO.

Vice Premier Liu Yandong visited the China Engineering Science and Technology Exhibition and the Gallery of CAE Members' Calligraphy and Painting, and attended the roundtable meeting with CAE Members. During the visit, she paid a field visit to CKCEST and IKCEST, and learned about the operation and progress of the centre. Vice Premier Liu gave full recognition to the role of the IKCEST as an international exchange platform with global influence and impact, and pointed out that science and technology are the foundation for the building

of a great modern socialist country. To pool the knowledge from all quarters for application through the knowledge center is a positive effort to explore innovation in science and technology. She encouraged CKCEST and IKCEST to follow the guide of the 19th Party Congress, take new steps to provide science and technology support for the country's modernization and make due contribution to the development of engineering science and technology in China. She thanked the staff for participating in the construction of the 2 knowledge centers, and completing the mission entrusted by the country, which has helped boost China's influence and image on the world stage. Vice Premier Liu shook hands with the staff and took photos with them to show her support and expectation for the knowledge center.





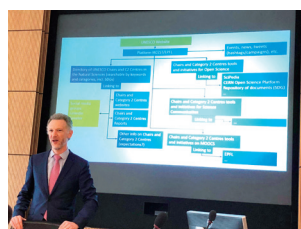
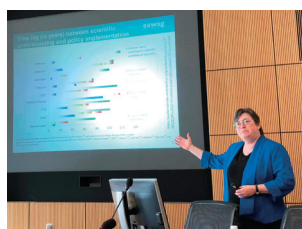
IKCEST representative attended Geneva Lake Workshop “UNESCO Academic Network towards the 2030 Agenda” held in Switzerland

To further promote the collaboration between UNESCO Category 2 Centers and Chairs in Natural Sciences in support of the Sustainable Development Goals (SDGs), the Geneva Lake Workshop “UNESCO academic network towards the 2030 Agenda” was held in Lausanne from 7 to 9 March 2018.

The conference was sponsored by various science divisions of the UNESCO headquarters, and co-hosted by the École polytechnique fédérale de Lausanne (EPFL), the Federal Department of Foreign Affairs (FDFA), the UNESCO National Commit-

tee of Switzerland and the European Organization for Nuclear Research (CERN).

The conference had 29 participants, including 12 UNESCO Chairs from Spain, the UK, Switzerland, Tunisia, Poland, Portugal, Italy, Brazil, Armenia, Togo and Germany, three representatives of the three UNESCO Category 2 Centers from China, Spain and the Netherlands, representatives of 8 Swiss agencies (the UNESCO National Committee of Switzerland, DPFL, the University of Geneva, FDFA and CERN) and 6 project experts from the UNESCO headquarters and regional offices.





The International Knowledge Centre for Engineering Sciences and Technology under the Auspices of UNESCO (IKCEST) representative attended the conference at invitation and gave a speech on the ideas of the construction of a communication and knowledge-sharing platform of UNITWIN/UNESCO Chairs, which was applauded by both the host and the participants. It was agreed at the conference that the construction of the platform could help pool the strengths of the members of the UNESCO science family (UNESCO Chairs, UNITWIN members and Category 2 Centers in the science field) to better serve the SDGs of the UN. The report made by IKCEST at the conference was convincing, the proposal provided was viable and its experience in platform development was also well-tested. The platform will be built by the three parties (i.e. UNESCO, IKCEST and EPFL) with workload shared, and IKCEST will provide technical support, with the goal of launching the platform within 12 months. The relevant resolutions were recorded in the “summary report” and “conceptual

paper of the exchange and outreach platform” released after the conference and the outcome document Geneva Action Plan.

Based on the extensive preparations made by its expert team for the platform development, IKCEST representative actively participated in the conference through presentations, online demonstration, Q&A and panel discussions, which boosted the visibility and global influence of the organization and fostered the image of a responsible UNESCO Category 2 Center of a responsible major country. It showcased China’s willingness and ability to contribute its own share to the realization of the 17 SDGs and reflected the goal of conveying Chinese voice and contributing Chinese wisdom that underpins China’s major-country diplomacy.

After the conference, the head of the Science Policy and Partnership Division of the UNESCO headquarters sent an acknowledgement letter and power of attorney to Ms. Chen Zuoning, Chairperson of the IKCEST Governing Board.

IKCEST Silk Road Training Base held 2018 3rd and 4th (the 27th and 28th in total) Training Program for Silk Road Engineering Science and Technology Development

The IKCEST Silk Road Training Base held the third and fourth training program of 2018 (the 27th and 28th in total) on “charming chemical engineering” and “advanced medical technology” respectively from March 16 to 21 and from March 31 to April 2, which provided training for nearly 80 trainees from 28 Belt and Road countries including Pakistan, Congo, Nigeria, Iran and India.

The program on charming chemical engineering consisted of two parts—advanced chemical engineering technologies (heterogeneous catalyst design based on DFT calculation; membrane separation technology: from everyday life to industrial

production; polymer engineering; pinch analysis and applications; applications of process fluid machinery in energy and chemical industry and developments; many-splendored chemical engineering; and material chemistry) and introduction to traditional Chinese culture. The training also included a visit to Shaanxi Key Laboratory of Energy Chemical Process Intensification.

The program on advanced medical technology also consisted of two parts — advanced medical technologies (discovering obstetrics and gynecology; application of laparoscopic or robotic-assisted minimally invasive surgery in urinary surgery;



molecular medicine: opportunities and challenges; introduction to medical data analysis; trends of infectious disease control in Silk Road countries) and introduction to traditional Chinese culture (understanding traditional Chinese culture and getting hands-on with Chinese papercutting art). The train-

ing also included a visit to Xi'an International Inland Port Investment & Development Group Co., Ltd.

After the conclusion of the program, the training sponsor and organizer jointly conferred graduation certificates to qualified trainees.



IKCEST Intelligent City Knowledge Service System 2018 project launch meeting held in Beijing

The project launch meeting of the Intelligent City Knowledge Service System (iCity) of the International Knowledge Centre for Engineering Sciences and Technology under the Auspices of UNESCO (IKCEST) was held in meeting room No. 219 of the Chinese Academy of Engineering (CAE) on 22 March. Wu Zhiqiang, Vice President of Tongji University, Member of the Chinese Academy of Engineering, Associate Professor Zhou Xingang, PhD Li Xiang and Lu Feidong of Tongji University, Song Dexiong, Director General of Department of General Administration of CAE and Executive Deputy Director of IKCEST, Liu Chang, Director of Division of International Cooperation of IKCEST, and Zhang Ye, project manager of IKCEST attended the meeting.

Li Xiang reported the main progress of iCity in 2017, including data resources, knowledge application, platform functions, project management, publicity and promotion and international cooperation. According to IKCEST Secretariat, as shown in the monthly surveillance reports in 2017, the development of iCity gave no reason for optimism compared to other knowledge systems with lower page view, budget implementation efficiency, fewer data collection, knowledge application, and user registration. Wu Zhiqiang pledged to give more attention to the surveillance indicators, and take measures through multiple channels to increase page view, enrich knowledge application, enhance user stickiness and promote the IKCEST platform. After that,

Li Xiang briefed the participants the development plan of iCity for 2018, and based on Li's introduction, Wu Zhiqiang summed up the highlights of iCity's development in 2018: 1. Improving the services of the platform and introducing the mechanism of user interaction to increase user stickiness; 2. Providing user-friendly video demonstration based on advanced AI technology, and offering bilingual video teaching in Chinese and English, with the aim of including all six official UN languages in the coming three years; 3. Establishing the ranking table of intelligent cities that meet public needs and expanding the breadth and depth of the CityIQ knowledge service; 4. Applying the membership system for the development of the platform, and developing the urban planning education platform into a global portal for urban planning education in due course; 5. Combining online and offline training to boost





the effect of IKCEST promotion. In the meantime, Wu Zhiqiang also pointed out the challenges in iCity's future development: 1. Some of the data on the platform are purchased resources, which might result in copyright risks if directly used, and therefore need to be transformed or reproduced; 2. Given its current progress, iCity does not have the condition of carrying out platform and data cooperation with small island developing states, but it may be able to carry out pilot cooperation with the cities of those states; 3. When introducing the mechanism of user interaction to iCity's development, attention must be given to avoid creating political problems. The two sides had an in-depth discussion on iCity's workload in 2018, the feasibility of CityIQ's diagnosis knowledge services, annual visitor flow, and the membership mechanism and interactive model of the platform. The iCity team will strictly implement the development plan of 2018, explore innovative mechanisms, take effective measures to prevent

the risks in data copyright, and ensure the safe and effective operation of the platform and improvement of its services.

The two sides also discussed matters related to the joint training and data cooperation between IKCEST/iCity and the relevant departments of the UNESCO headquarters, and expressed the willingness to keep working with the UNESCO headquarters to contribute to the capacity building of the developing countries.

Song Dexiong applauded the efforts made by the experts for the development of iCity in 2017, and expressed the hope that the expert team should do a good job in the project review. IKCEST and iCity should work together to increase the visit flow and influence of the website through holding seminars and other means in order to implement General Secretary Xi's instructions of "conveying Chinese voice, telling a good Chinese story and contributing Chinese wisdom."

China-based UNESCO Category 2 Centers in natural science held roundtable meeting in Beijing

To promote the mutual understanding between China-based UNESCO Category 2 Centers in natural science and Mr. Philippe Pypaert, the newly appointed Natural Sciences Programme Specialist in UNESCO Beijing Office, the roundtable meeting of China-based UNESCO Category 2 Centers in natural science was held in the new-tech park of the Institute of Remote Sensing and Digital Earth (RADI) of the Chinese Academy of Sciences (CAS), the host organization of the UNESCO International Center for Natural and Cultural Heritage Space Technology (HIST).

Mr. Philippe Pypaert and his assistant Ms. Li Ang met with the representatives of the eight China-based UNESCO Category 2 Centers. Mr. N. Ishwaran and Mr. Han Qunli, former Director of the UNESCO Ecological Earth Science Department

and former Secretary-General of the Man and Biosphere Programme, also attended the meeting. The meeting was chaired by Mr. Hong Tianhua, Secretary-General of the Alliance of UNESCO Category 2 Centers in China and Executive Deputy Director and Secretary General of HIST.

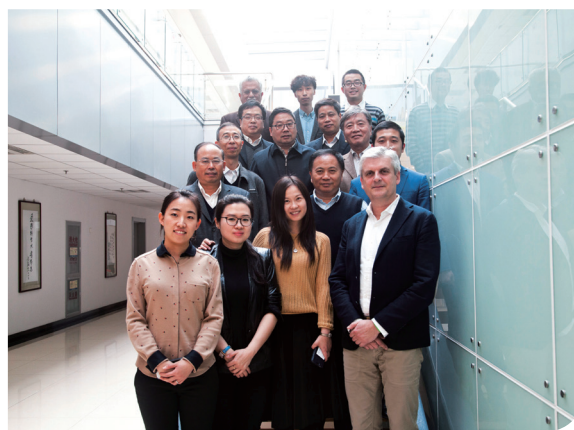
During the meeting, the Category 2 Centers introduced the progress and achievements of their organizations, and expressed the hope to strengthen cooperation with the UNESCO Beijing Office. Mr. Philippe Pypaert took note of the presentations made by the centers and had a lively discussion with the participants. He applauded the accomplishments of the Category 2 Centers in their respective fields, and encouraged the participants to strengthen cooperation with the coordination of the UNESCO Beijing Office and make even great-



er contribution to the SDGs in the scientific field. During the meeting, the participants visited the network operation and management system of the ground satellite stations of RADI.

Liu Chang, Director of Division of International Cooperation of the International Knowledge Centre for Engineering Sciences and Technology (IKCEST) and Deputy Secretary-General of the Alliance of

UNESCO Category 2 Centers in China, attended the meeting. She gave a brief presentation on the vision, status and philosophy of IKCEST's development and invited Mr. Philippe Pypaert to visit the center, and take part in its follow-up activities such as international high-end seminars and international science and technology training programs, which received positive response.



» CKCEST News

The China Knowledge Centre for Engineering Sciences and Technology (shortened as “CKCEST”) is a significant part of and vital support for the International Knowledge Centre for Engineering Sciences and Technology (shortened as “IKCEST”).

CKCEST released 2016 Global Think Tank Ranking and Report

In October 2017, CKCEST released the 2016 Global Think Tank Ranking and Report which presented an objective analysis of global think tanks based on the four dimensions of resource, output, popularity and impact. A total of 14 Chinese think tanks made into the Top 100: Chinese Academy of Sciences, Chinese Academy of Social Sciences, Development Research Center of the State Council, Party School of the CPC Central Committee, Xinhua News Agency, China Institute of International Studies, Central Compilation and Translation Bureau, Chinese Academy of Engineering, Chinese Academy of Governance, China Center for International Economic Exchanges, China Association for Science and Technology, Shanghai Institutes for International Studies, Chinese Academy of International Trade and Economic Cooperation and Chinese Academy of Macroeconomic Research.

Resource Planning Project conclusion meeting held in Beijing

The conclusion meeting of the Resource Planning Project was held in Conference Room 220 of the Chinese Academy of Engineering, where the project team reported the overall progress and outcomes of the project on November 28, 2017. The project team completed the Resource Survey Report of CKCEST Member Entities (including 775 qualifying databases) and produced the List of Recommended Resources (including 139 internet-based high-quality resources and URLs for crawling) and the Resource Planning Survey Report, which provided basis for the planning of purchased resources, owned resource, sub-center resources, internet-based resources and third-party resources.

After listening to the briefing, Song Dexiong, Director of CKCEST Project Management Office, expressed thanks for the hard work and fruitful achievements of the project team and gave three suggestions: 1) further clarify the resources of the sub-centers and make the full use of their resources by removing their access barriers; 2) improve the quality of internet-based resources and explore ways to turn them into knowledge-based applications; and 3) re-examine and refine the research objectives and put the research outcomes to good use in relevant subsequent endeavors.



First seminar on CKCEST active push notification held in Beijing

On December 7, 2017, the first seminar on the active push notification service of CKCEST took place at the Chemical Industry Professional Knowledge Service Sub-Center (China National Chemical Information Center Co., Ltd.). The meeting was attended by Song Dexiong, Director of CKCEST Project Management Office, Deputy Director Pan Gang, and 35 active push notification service representatives from 17 professional knowledge service sub-centers.

The seminar was chaired by active push notification service expert Cai Zhiyong and featured service presentations, hands-on competition, and discussion. During the seminar, representatives of the sub-centers shared their experience and problems and expressed their views on the next-step active push notification service. CKCEST representative responded to their comments and suggestions and offered corresponding instructions.

Workshop on spatial data processing held in Beijing

On December 13, 2017, CKCEST Project Management Office invited experts from National Geomatics Center of China, COFCO Nutrition and Health Research Institute and Institute of Scientific and Technical Information of China to share experience in spatial data processing, knowledge management and knowledge organization at a technical workshop attended by more than 50 technicians from Inspur Group and CKCEST sub-centers. The workshop strengthened communication between the general platform and the sub-centers and promoted their understanding of generic technologies such as spatial data processing and knowledge organization.

Conclusion meeting of Sub-Centre Evaluation Project held in Beijing

The conclusion meeting of Sub-Center Evaluation Project was held in Room 219 of the Chinese Academy of Engineering on December 19, 2017, during which the project team reported the project outcomes and discussed with experts. During the year, the project team completed Professional Sub-Center Evaluation Methods and its evaluation indicator matrix, performed quality monitoring of 23 sub-platforms, and CKCEST Sub-Center Quality Monitoring Report. Song Dexiong, Director of CKCEST Project Management Office, applauded the work of the project team and gave four suggestions: 1) Act on the sub-center evaluation mechanism to substantially advance sub-center development; 2) strengthen coordination, including that of the report monthly page visit, quarterly monitoring, and annual evaluation of the general platform and sub-platforms, and of operation and evaluation; 3) supervise the implementation of the various project tasks; and 4) maintain a stable and dynamic evaluation expert team to ensure high quality of the evaluation work.

Training workshop on use of data resources of Internet data centre held in Beijing

The training workshop on the use of data resources of Internet data centre of the CKCEST platform was held at the Chinese Academy of Engineering on January 3, 2018. The workshop was chaired by Gao Xiang, Deputy Director of CKCEST Project Management Office, and attended by experts from Chemical Industry, Energy, Meteorological Science, Geological, and Agricultural sub-centers, and relevant personnel from CKCEST Project Management Office and Inspur Software Co., Ltd.

First, the Inspur team introduced to the sub-centers the norms of use of data resources of Inspur's Internet data centre, and then introduced to the attending experts the relevant functions and operation procedures of the internet data resource management platform and internet data resource collection platform. The experts discussed with the Inspur team with reference to their reports. Finally, in accordance with the requirements of CKCEST Project Management Office, the Inspur team created one-month trial accounts of the Internet data resource collection platform for the five sub-centers and would further modify and refine the Internet data centre according to the feedback of the five centers.

Conclusion meeting of the Metadata Standard Project held in Beijing

The conclusion meeting of the Metadata Standard Project was held in the Room 220 of the Chinese Academy of Engineering on January 4, 2018, during which the project team reported the project's overall progress, tasks completed, and subsequent work plan. In 2017, the project team improved and released CKCEST Metadata Specifications V1.0 (14 metadata specifications), created Sub-Center Resource Convergence Specifications V2.0 (eight new metadata specifications regarding geographic information data, S&T reports, audio, video, statistical data, courseware, technical tools, and knowledge applications), and completed CKCEST Handbook on Metadata Specification Development and Report on Survey of Domestic and Foreign Unique Identifier Systems. At the meeting, the project's outcomes were recognized and it was agreed that in 2018 the project team should strengthen its responsibility, coordinate with the CKCEST Project Management Office to promote metadata specification development of CKCEST and give full scope to the role of coordination and planning. The project team was also required to submit its work plan and procedure for its tasks in 2018.

CKCEST sub-center development seminar Held

On January 29, 2018, CKCEST Project Management Office held a sub-center development seminar in Room 316 of the Chinese Academy of Engineering. Song Dexiong, Director of CKCEST Project Management Office, attended the seminar and gave remarks. The seminar had more than 80 attendees, including contact person and technical officers of all CKCEST sub-centers. The seminar circulated the Sub-Center Evaluation Management Measures, provided training on the use of CKCEST Metadata Specifications, and set out the work plans of the sub-center evaluation and resource metadata specification development in 2018.



»» Top News for Big Data Era

Xi Jinping chaired second meeting of Central Leading Group for Comprehensively Deepening Reform of the CPC Central Committee: further emancipate the mind, deepen reforms, and substantiate work, to make new breakthroughs at the new starting point of comprehensively deepening reforms

In the afternoon of January 23, 2018, Xi Jinping, General Secretary of the CPC Central Committee, Chinese President, Chairman of the Central Military Commission, and Leader of Central Leading Group for Comprehensively Deepening Reform, chaired the second meeting of Central Leading Group for Comprehensively Deepening Reform and made an important remarks. He emphasized that the year 2018 marks the first year of fully implementing the spirit of the 19th National Congress of the Communist Party of China and the 40th anniversary of China's reform and opening up and that it is of great importance to steadily push ahead with reforms. He called on the nation to carry forward the spirit of reform and innovation by further emancipating the mind, deepening reforms, and substantiating work to pool strength and make new breakthroughs in comprehensively deepening reforms at a new starting point.

The meeting adopted Measures for the Management of Scientific Data and emphasized strengthening and regulating scientific data management, adapting to big data development, vigorously advancing scientific data resource development, utilization and open access, strengthening security and protection of important data infrastructures, determining data security levels and access conditions in accordance with the law, and establishing a security review mechanism of data sharing and international exchange, to provide a strong support for government policymaking, public security, national defense development, and scientific research.

Excerpted From the Ministry of Industry and Information Technology Website

56 projects approved as major trial projects of Internet+, Artificial Intelligence and Digital Economy

On January 22, 2018, the National Development and Reform Commission (NDRC) approved a total of 56 major projects in three areas prioritized in 2018, including “Internet+”, Artificial Intelligence and Digital Economy, in a bid to promote innovation in emerging technological areas such as “Internet+” and artificial intelligence and accelerate digital economy development.

NDRC spokesperson Yan Pengcheng said during the press briefing on the same day that the 56 projects focused on three areas, namely, “Internet+”, with the approved projects in this area being geared to supporting development of “Internet+” public service support platforms, improving IoT, cloud computing and other emerging infrastructures, promoting integration of the Internet with the manufacturing sector, developing Internet-based new models of collaborative manufacturing, and providing decision support platforms for manufacturing enterprises in mass customization; Artificial Intelligence, with the approved projects in this area being geared to making breakthroughs in key artificial intelligence technologies such as deep learning, voice recognition, facial recognition, machine vision and logical reasoning to create an industrial system supporting diverse industries; Digital Economy, with the approved projects in this area being geared to supporting government information system integration and application demonstration in various regions and forming regionally integrated data sharing platforms; advancing big data collection, processing, analysis and mining in medicine, transport, finance, logistics, environmental protection and other fields and promoting innovative big data applications; and organizing “Digital Silk Road” projects with relevant Belt and Road countries and promoting international digital economy cooperation.

With respect to digital economy, in particular, Yan Pengcheng said that NDRC’s subsequent work is to put in place a comprehensive policy framework to support digital economy development and create a favorable environment for it; strengthen data infrastructures for digital economy; leverage the role of data as a basic resource and innovation driver; and promote digital economy for livelihood development and improvement and for the benefit of the entire population.

From the website of the State Council



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