

SPECIAL

2018

No.1 Sum.1

**International Silk Road Academy of Sciences
Kick-Off Committee**

Bulletin of ISRAS Kick-Off Committee

HIGHLIGHTS

- [Focus] The Grand Opening of International Congress on Scientific and Technological Innovation and Kick-Off Ceremony of ISRAS on 23rd-24th, Sept. 2017 in Beijing.
- [Exchanges] Representatives from New Silk Road Association (Austria) and G-Global (Kazakhstan) visit ISRAS Beijing office.
- [Projects] ISRAS members propose as many as 231 insightful ideas and suggestions for the strategic development of ISRAS.
- [Members] We've received four more applicant letters from Armenia, Estonia, Ghana, and Greece respectively, and the total number of ISRAS member has increases to 29.



Sponsored by: ISRAS Kick-Off Committee Secretariat

2018 Jan. 15th



Prof. Jiang Zhenghua, President of ISRAS Kick-Off Committee



**Prof. Oleg Kuznetsov, Vice-president of
ISRAS Kick-Off Committee**



**Prof. Nurtai Abykayev, Vice-president of
ISRAS Kick-Off Committee**

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Editor's Note

Dear ISRAS members,

Hello! As we all know, International Congress on Scientific and Technological Innovation and Kick-Off Ceremony of International Silk Road Academy of Sciences (hereinafter refers to ISRAS) was solemnly held on 23rd-24th, Sept. 2017 in Beijing which made four substantial achievements that marked the official launching of ISRAS.

In order to carry out the overall work tasks of ISRAS and strengthen the communication between ISRAS members, the ISRAS Kick-Off Committee Secretariat issues the Bulletin of ISRAS Kick-Off Committee and form an editorial team who is responsible for writing, organizing, proofreading and publishing. This bulletin will serve as an important official publication of ISRAS. By taking into full account the ideas and suggestions from ISRAS members (including scientific and research institutions and representatives) collected during a month, we are now publishing this multi-lingual bulletin for the first time in Chinese, English and Russian which mainly covers six parts, such as Focus, Exchanges, Projects, Members, Forums and Papers. In this edition, we will lay emphasis on International Congress on Scientific and Technological Innovation and Kick-Off Ceremony of International Silk Road Academy of Sciences as well as project alignment and coordination.

As is known to all, ISRAS upholds the philosophy of jointly built through consultation to meet the interests of all, therefore, we will always stick to consultation and joint decision-making with participating countries and representatives. We now sincerely recruit contributions, such as excellent papers and scientific news for this Bulletin while adhering to our non-governmental, non-profit nature, and we enhance continuously the communication between our members and promote strenuously the international influence of ISRAS in order to push forward the economic and social development among countries along the Belt and Road. Here we would like to cordially invite you to contribute actively.

Moreover, for further improvement, we will be appreciated if you could kindly correct us anytime of any omissions, errors and improper points within this edition, since this is the first publication, we still have ample space of improvement.

ISRAS Kick-Off Committee Secretariat

15th, Jan. 2018

Forward by the President



As Chinese President Xi Jinping's said on the Belt and Road Forum for International Cooperation held on 14th, May 2017 in his keynote speech “China is to launch the ‘Science and Technology Innovation Action Plan’, concentrating on the four plans, such as enhancing people-to-people exchanges, building joint-laboratories, conducting

cooperation in science and technology parks, promoting technology transfer” as well as “strengthening cooperation in terms of digital economy, artificial intelligence, nanotechnology, quantum computers and other frontier domains. Enhancing big data, cloud computing and smart city construction into order to build up a 21st Century Digital Silk Road”.

With this background, we solemnly held the International Congress on Scientific and Technological Innovation and Kick-Off Ceremony of International Silk Road Academy of Sciences on 23rd-24th, Sept. 2017 in Beijing, before which a pre-preparatory meeting was held and concluded with four fruitful consensuses. This significant event has gained positive

response among Chinese Medias both governmental and non-governmental. On the basis of this, ISRAS will put on top priorities the development of energy, information communication, remote sensing and geographic information systems, ecological environment, smart cities, traditional Chinese medicine and culture in its latest schedule. By adhering to President Xi's "Science and Technology Innovation Action Plan" and combining the expertise and resources of IEAS academicians and experts together, we will enhance our role as an international high-level, non-governmental and non-profit scientific institution which unites scientists and experts together from countries along the Belt and Road in terms of technology, enterprise, finance and management to uphold the Belt and Road Initiative by launching a practical international platform.

We will submit application reports to scientific related offices and organizations, such as Asian Infrastructure Investment Bank (AIIB), Silk Road Fund, Ministry of Science and Technology of China and National Natural Science Foundation of China for cooperative research projects with the collaboration between Chinese scientists and ISRAS members. At the same time, we will conduct project argumentation, team-building and field investigation so as to hold a project cooperation conference in 2018, and bring forth dozens of fruitful achievements on the 2nd Belt and Road Forum for International Cooperation in 2019.

Finally, we are convinced that, ISRAS will grow stronger and better with the strong support of governments and civil science and technology institutions, universities, enterprises and experts along the Belt and Road.

---extracted from President Jiang Zhenhua's report on the 20th General Assembly of The China Science Center of International Eurasian Academy of Sciences

Prof. Jiang Zhenhua
President, ISRAS Kick-Off Committee
Executive President, IEAS
President, IEAS (China)

General Report on ISRAS Kick-Off Ceremony



Group Photo

The China-proposed Belt and Road Initiative can be traced back to Chinese President Xi Jinping’s visit to central Asia and Southeast Asia from September to October, 2013. In order to unite together scientific and technological experts from countries along the B&R for further international cooperation, research collaboration, technology exchanges and consultations in dozens of S&T domains, such as strategic alignment and collaboration, resource development and utilization, economic transformation and upgrading, ecology and environment security, as well as cultural exchanges to jointly tackle the issues emerging during the B&R development, for instance disparate development, incoordination of state strategies, information asymmetry and cultural differences etc. Prof. Jiang Zhenghua, President of IEAS (China), Mr. Nurtay bykayev, President of National Academy of Sciences of the Republic of Kazakhstan as well as Prof. Oleg Kuznetsov, President

of Russian Academy of Natural Sciences jointly proposed the initiative of launching International Silk Road Academy of Sciences in early 2016 which was defined primarily as an international high-level, non-governmental and non-profit scientific institution that unites scientists and experts together from Europe, Asia, and Africa in terms of technology, enterprise, finance and management to uphold the B&R. The international high-end consulting center and new high-end think tank has been supported by the science and technology communities along the B&R.

With this background, the ISRAS Preparatory Office has drafted the Constitution of International Silk Road Academy of Sciences and reached consensuses with authorities and non-governmental S&T organizations, institutions and universities from more than 20 countries along the B&R after repeatedly discussions and consultations. President Xi Jinping's keynote speech entitled "Work Together to Build the Silk Road Economic Belt and The 21st Century Maritime Silk Road" delivered on Belt and Road Forum for International Cooperation on 14th, May 2017 has been navigating the development route of ISRAS and stepped up the launching pace of this organization. Moreover, the total membership has reached 25 despite the primarily three, such as China, Russia and Kazakhstan. And all of them agreed and signed the Constitution of International Silk Road Academy of Sciences.

Therefore, the International Congress on Scientific and Technological Innovation and Kick-Off Ceremony of International Silk Road Academy of Sciences held 23rd-24th, September 2017 in Beijing was a timely event to fulfill the dream.

Pre-Preparatory Meeting Communication



Dr. Joni Tapio Kujansuu, Research Coordinator (East-Asia) and PEEEX Project Officer attends on behalf of Prof. Markku Tapio Kulmala, University of Helsinki, Prof. Zhang Jing'an, Vice-president of IEAS (China) and Prof. Guo Chuanjie, Academician of IEAS.



Prof. YM Tengku Mohd Azzman Shariffadeen, Vice-president of Academy of Sciences Malaysia and Prof. Oleg Kuznetsov, President of Russian Academy of Natural Sciences.



Prof. Batjav Batbuyan, Senior Advisor to Mongolian Foundation for Science and Technology, Mongolian Academy of Sciences and Prof. Jean-David Rochaix, Professor of University of Geneva.



Prof. Aleksandr Sukalo, Deputy Chairman of the presidium, National Academy of Sciences of Belarus and Prof. Christine June Leon, Research Fellow (Chinese Medicinal Plants) and Science Directorate of Royal Botanic Gardens Kew.



Prof. Costas N. Papanicolas, CEO of the Cyprus Research and Educational Foundation; Professor, Founding President of The Cyprus Institute and Dr. Joni Tapio Kujansuu, Research Coordinator (East-Asia) and PEEEX Project Officer, University of Helsinki.



Mr. Kazybek Shaikh, Chairman of Fund of Peace of Kazakhstan and Dr. Walter Schwimmer, President of New Silk Road Association (Austria), former Secretary General of the Council of Europe.



Prof. Stoyan Gueorguiev Dentchev, Rector of the State University of Library Studies and Information Technologies-Sofia, Bulgaria and Mr. Guenter F.H.Pytel, Vice-president of New Silk Road Association (Austria)



Participating Guests

The Grand Opening of ISRAS Pre-Preparatory Meeting



Prof. Cui Weihong hosts the meeting

The ISRAS Pre-Preparatory Meeting held in the afternoon of the 23rd targets at reporting the preparations of ISRAS and discussing the launching of an ISRAS kick-off committee. It is hosted by Prof. Cui Weihong, Deputy Director of the ISRAS Preparatory Office and presented with lots of famous scientists and scholars, among whom are four IEAS Academicians: Prof. Zhang Jing'an, Prof. Guo Chuanjie, Prof. Kong Deyong and Prof. Mao Hanying, and many other international guests: Prof. Oleg Kuznetsov, President of Russian Academy of Natural Sciences, Mr. Serik Nugerbekov attends on behalf of Mr. Nurtay bykayev, President of National Academy of Sciences of the Republic of Kazakhstan, Dr. Joni Tapio Kujansuu attends on behalf of Prof. Markku Tapio Kumala, Dr. Walter Schwimmer, President of New Silk Road Association (Austria), former Secretary General of the Council of Europe, Prof. Stoyan Gueorguiev Dentchev, Rector of the State University of Library Studies and Information Technologies-Sofia, Bulgaria, Prof. Ana Langovic Milicevic, Prof. Dr., State Secretary, The Republic of Serbia Ministry of Education, Science and Technological Development, as well as full Professor of management at Faculty of Hotel Management and Tourism, University of Kragujevac, Prof. Jean-David Rochaix, Professor of University of Geneva, Prof. Costas N. Papanicolas, CEO of the Cyprus Research and Educational Foundation; Professor, Founding President of The Cyprus Institute, Prof. Irada Aliyev, Vice Rector of Educational Process and Teaching Technologies, Baku State University,

Prof. YM Tengku Mohd Azzman Shariffadeen, Vice-president of Academy of Sciences Malaysia, Prof. Christine June Leon, Research Fellow (Chinese Medicinal Plants) and Science Directorate of Royal Botanic Gardens Kew, Prof. Muhammadyusuf Imomzoda, Rector of Tajik National University. All participants are expressing their strong support for the launching of ISRAS and commitments to its overall work tasks.

Many representatives from European countries suggest nominating a representative from European regions to serve as vice-president of the ISRAS kick-off committee. Most importantly, they all pass and sign the Agreement on Kick-Off Ceremony of International Silk Road Academy of Sciences.



ISRAS Pre-Preparatory Meeting on Site

IEAS (China), as the host of this significant event, holds a welcome banquet to greet all participants on which Prof. Liao Ke, Vice-president of IEAS and Vice-president of IEAS (China) delivers a speech, and all participating guests also wish to strengthen exchanges and cooperation with each other in the future in order to enhance mutual understanding and promote friendship.

Achievements of ISRAS Pre-Preparatory Meeting

1. The Constitution has been written by the Preparatory Office in three versions, saying Chinese, English and Russian, which then been repeatedly revised by the ISRAS participators before it come to an official version (draft one), pass and sign. There are 21 national research institutions and individuals that have signed the Constitution of International Silk Road Academy of Sciences among the 25 participators right before the grand opening of the meeting, and this is a prerequisite of launching the meeting.
2. All participator, including the first batch of co-founders China, Russia, Kazakhstan, other institutions and individuals address on the Kick-Off Ceremony of ISRAS one by one and eventually agree the kick-off of ISRAS and sign the Agreement.
3. Establish International Silk Road Academy of Sciences Kick-off Committee, which consists of a chairman from China, three vice-chairmen from Europe region, Russia and Kazakhstan, and other members. Nominate Professor Jiang Zhenghua, President of IEAS (China) to serve as the Chairman of the Kick-off Committee. The Secretary General of the International Silk Road Academy of Sciences Secretariat shall be appointed by the Chinese side, and

Professor Zhang Jing'an, Vice-president of IEAS (China) is nominated to serve as Secretary General of the ISRAS Secretariat.

4. Set the headquarter of ISRAS in Beijing.



Prof. Zhang Jing'an, Secretary General of ISRAS Secretariat

Preparatory Meeting Participating Representatives

(in alphabetic order)



Representative from Austria



Representative from Azerbaijan



Representative from Bangladesh



Representative from Belarus



Representative from Bulgaria



Representative from Cyprus



Representative from China



Representative from Finland



Representative from France



Representative from Germany



Representative from Italy



Representative from Kazakhstan



Representative from Malaysia



Representative from Mongolia



Representative from Russia



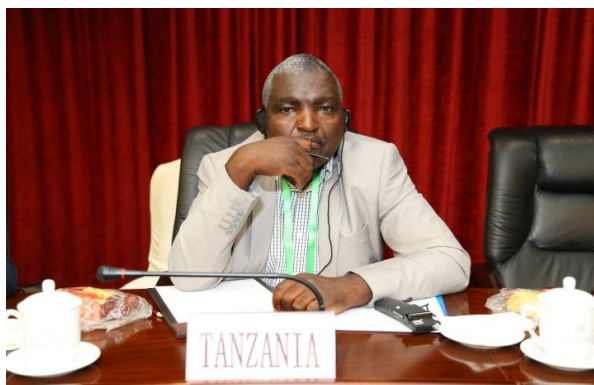
Representative from Serbia



Representative from Switzerland



Representative from Tajikistan



Representative from Tanzania



Representative from UK



Other Representatives

International Congress on Scientific and Technological Innovation



Prof. Jiang Zhenghua, Executive President of IEAS, President of IEAS (China)

The International Congress on Scientific and Technological Innovation and Kick-Off Ceremony of International Silk Road Academy of Sciences is solemnly held on 24th, Sept. 2017 which is hosted by Prof. Ma Junru, Vice-president of IEAS (China). As to international participating guests, we have more than 30 participators from 19 countries, namely Russia, Belarus, Kazakhstan, Malaysia, Finland, Germany, Austria, France, Tajikistan, Cyprus, Bangladesh, Mongolia, England, Italy, Switzerland, Azerbaijan, Bulgaria, Serbia, and Tanzania. As to domestic participators, we can see Prof. Jiang Zhenghua, President of IEAS (China); three Vice-presidents as Prof. Liao Ke, Prof. Ma Junru,

and Prof. Zhang Jing'an; three members of the standing committee of the presidium, IEAS (China) as Prof. Zhu Lilan, Prof. Liu Yanhua and Prof. Cui Weihong, besides, there are 12 academicians of IEAS too. Additionally, we have honorary guests from Ministry of S&T, NDRC, CAST, CAS, CAE and NNSFC as well, all together amounts to 100 participators.



Prof. Academician Zhu Lilan



Dr. Walter Schwimmer



Prof. Dr. Johannes Lelieveld



Prof. Academician Ma Junru

President Jiang addresses on the opening ceremony by introducing the background, significance and practicability of ISRAS. He believes that ISRAS will grow better with the strong support of all governments and scientific research institutions, universities, enterprises, experts and

scholars from along the B&R. Prof. Zhang Jing'an, Director of Preparatory Office of ISRAS addresses a letter of congratulations on behalf of Mr. Wan Gang, Vice-president of the CPPCC National Committee, Minister of Ministry of S&T, Vice-president of CAST. Mr. Nurtay bykayev, President of National Academy of Sciences of the Republic of Kazakhstan addressed by Mr. Serik Nugerbekov, Head of International Secretariat of G-Global, International Secretariat of G-Global. Prof. Oleg Kuznetsov, President of Russian Academy of Natural Sciences and Dr. Walter Schwimmer, President of New Silk Road Association (Austria), former Secretary General of the Council of Europe all express their warm congratulations to the kick-off of ISRAS and wish the ceremony a complete success.



Prof. Academician Zhang Jing'an



Prof. Lida Ivanitskaya



Mr. Serik Nugerbekov



Prof. Academician Liao Ke

Prof. Liao Ke, Vice-president of IEAS addresses a letter of congratulations on behalf of Prof. Valery Bondur, President of IEAS by extending his warm congratulations to the grand opening of the kick-off of ISRAS. He hopes to contribute to the B&R in terms of science and technology innovation and for the development of ISRAS to achieve our common goal!



Prof. Academician Liu Yanhua

Prof. Bruno Robert



Prof. Irada Aliyev

Prof. Academician Guo Huadong



Prof. Academician Guo Chuanjie

Prof. Muhammadyusuf Imomzoda



Prof. Christine June Leon



Prof. Academician Peng Gongbing



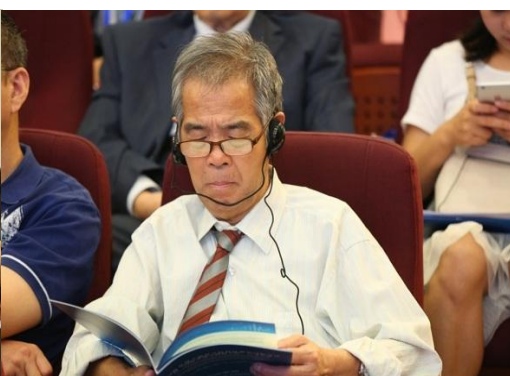
Prof. Academician Kong Deyong



Prof. Zacharia Saimon Katambara



Prof. Stoyan Gueorguiev Dentchev,



Prof. Academician Mao Hanying



Prof. Academician Chen Feng



Prof. Dr. Ana Langovic Milicevic

Successful Conclusion of the Pre-Preparatory Meeting

The Conclusion of the Pre-Preparatory Meeting is hosted by Prof. Cui Weihong, Deputy Director of the ISRAS Preparatory Office, he extends his heartfelt appreciation to all participating guests by saying “Thanks to your strong support without which we



Prof. Cui Weihong hosts the Conclusion

would not have come to such fruitful results. Now I would like to reemphasize the important terms we’ve agreed” seen as follows:

1. Establish International Silk Road Academy of Sciences Kick-off Committee, which consists of a chairman from China, three vice-chairmen from Europe region, Russia and Kazakhstan respectively and other members. Nominate Professor Jiang Zhenghua, President of IEAS (China) to serve as the Chairman of the Kick-off Committee, and Professor Zhang Jing’an, Vice-president of IEAS (China) to serve as Secretary General of the Secretariat.
2. Set the headquarter of International Silk Road Academy of Sciences in Beijing. Pass and sign the Agreement on Kick-Off Ceremony of International Silk Road Academy of Sciences.

3. Welcome both scientific and research institutions and scientist as an individual from along the B&R countries to participate in ISRAS if acknowledge the Constitution of International Silk Road Academy of Sciences, and admit new members with an open mind.

In his final remarks he says: “Firstly, we will focus our joint efforts in the four plans within President Xi Jinping’s ‘Science and Technology Innovation Action Plan’ on the basis of jointly built through consultation to meet the interests of all and with the driving force of scientific innovation to integrate different strategies and supply-demand mechanism. Secondly, we are to promote mutual benefit and win-win cooperation among countries along the B&R, as well as deep integration of S&T and enterprises, S&T and finance by implementing Network Silk Road and Digital Silk Road. Finally, we hope that all members would continuously put forward constructive ideas for ISRAS development. We are ready to push forward the overall work tasks of ISRAS in 2018 on the basis of bilateral or multilateral consultations, and explore breakthroughs to formulate a practical agenda thus make contribution to the development of scientific innovation of the B&R.”

Media Coverage on ISRAS Kick-Off Ceremony

The successful conclusion of the ISRAS Kick-Off Ceremony has aroused positive responses among Chinese media who put the news as the top priority in their publications. Additionally, the news is then printed and reprinted by almost 40 medias including the State Council Information Office of China, People's Daily, Science and Technology Daily, Guangming Daily, the CPPCC Online, etc.



International Exchanges

1–New Silk Road Association Austria) visits us

Mr. Guenter F.H.Pytel, Vice-president of New Silk Road Association (Austria) and his delegate visit us on 13th, Nov. 2017 introducing and promoting his European projects to seek cooperation with China. Prof. Cui Weihong, Deputy Director of the Preparatory Office of ISRAS extends warm welcome to our distinguished guest. Mr. Guenter expresses his strong desire for Chinese investment and technical support, and hope that Chinese enterprises will cooperate actively. Meanwhile, he also recommends several projects that can be jointly cooperated and introduced briefly the advantages and requirements of each party. Prof. Cui shows keen interest in these projects and reaffirm that project-oriented and project-based mode is an important way of cooperation for ISRAS, and hopes that we can combine the collective wisdom of IEAS academicians together to actively explore the potential of cooperation and implement those project as soon as possible. In the end, the two sides pledge to work together in implementing the B&R and put the project into practice and make due contributions to the development of countries along the B&R.

2–Kazakhstan G–Global Administrator visits us

Mr. Bolat Smagulov, Deputy Director of international secretariat of g-global (Kazakhstan) and Mr. Kairat Abdrakhmanov, work staff of the embassy visit us on 5th, Dec. 2017, Prof. Zhang Jing'an, Vice-president of IEAS (China) and Prof. Cui receive our honorary guests. Firstly, Prof. Zhang extends our warm welcome, secondly, he expresses his sincere appreciations to Kazakhstan for their strong support for the preparation of ISRAS, and thirdly, he describes the strengths of IEAS (China) by introducing our unique advantages of combining science and technology with economic development.

Mr. Bolat Smagulov, in return, expresses his thanking for the hospitality of their Chinese friends and extends their Director's greetings too. After the 2017 Euro-Asia Economic Forum held September in Xi'an, China, Prof. Nurtai Abykayev, President of National Academy of Sciences of the Republic of Kazakhstan says after listening to Mr. Serik Nugerbekov's reports about the event "Kazakhstan is appreciated about the efforts and achievements made by IEAS (China).

Insightful Suggestions for ISRAS Development

(231 suggestions in total)

After the official Kick-Off of ISRAS, we've gained constant support from many scientific research institutions, colleges, universities and individuals who are actively participating in formulating the strategic work plan of ISRAS including its work priority, goal, organization, particularly international exchanges and cooperation in terms of science and technology, hence put forward dozens of valuable opinions and suggestions. We've received as many as 231 ideas and suggestions until 12th, December 2017 seen as follows:

No.	Country	Number of Suggestions	No.	Country	Number of Suggestions
1	Kyrgyzstan	13	13	Tanzania	15
2	Tajikistan	11	14	Austria	5
3	Malaysia	2	15	Finland	2
4	Belarus	6	16	Switzerland	4
5	Mongolia	6	17	Italy	6
6	France	3	18	Kazakhstan	3
7	Russia	11	19	Germany	2
8	Bulgaria	4	20	UK	2
9	Azerbaijan	13	21	Netherlands	3
10	Bengal	1	22	Pakistan	3
11	Ukraine	108	23	Slovenia	5
12	Cyprus	3	24	China	---

The Secretariat has summarized and categorized the suggestions above into seven domains by referring to President Xi Jinping's four plans within "Science and Technology Innovation Action Plan"

Among them, the most practical suggestions for S&T parks are put forwarded by Prof. Muhammadyusuf Imomzoda, Rector of Tajik National University, Prof. Anatoliy S. Zarishnyak, Vice-president of Ukraine National Agricultural Science and Prof. Kamchybek Ch. Kozhogulov, President of Engineering Academy of the Kyrgyz Republic. We will include part of the suggestions into the 2018 work plan of ISRAS after discussions among ISRAS members.

In the end, we would like to sincerely thank you for your kind comments and suggestions, and would be appreciated for your long-term support and contribution the ISRAS.

01- High-Tech

digital economy, artificial intelligence, nanotechnology, new materials, new energy (including solar energy, wind power, tidal energy and hydrogen energy, etc.)

02-Medicine and Health

life sciences, sub-health research, precision medicine, traditional Chinese medicine and herbal medicine standardization.

03-Big Data, Cloud Computing and Intelligence

space observation, digital B&R, network B&R, quantum remote sensing, supply-demand collaboration platform supported by big data, smart city and smart forest, etc.

04-Science Park and International Cooperation Center

There are 15 parks in total, including science park, science and technology cooperation center, joint-laboratory, joint work center, etc.

05-Modern Agriculture and Biology

Genetic breeding, genetic engineering, molecular biology, agricultural modernization and intelligent agriculture. Among them, the application of nanotechnology in agriculture is worthy of attention, for example, by promoting the seed germination and plant growth through the iron element biogenic nanoparticles. The similar research on grasses also greatly increases the root length and germination rate of the plants. The use of such technology has greatly reduced the use of agriculture in crop farming.

06- Mountain Research

Mining methods and the development of science and technology network development, the regional geological research, to reduce the ecological environment causes natural disasters and natural disasters, engineering and technical aspects of the science and technology innovation and the establishment of the information technology, forecasting and disaster prevention and mitigation.

07- Ecological Environment

Global climate change and regional response, PEEX, desertification and desert control, reasonable development and utilization of water resources in arid areas, environmental pollution control and repair, clean production and circular economy and green energy, application of the fuel, green infrastructure, combination of residential and commercial shops, green city. In addition, to produce chemical products by using industrial waste gas containing carbon dioxide produced by steel production in response to global warming. At present, several different application research fields and industry cooperation institutions have participated in the project. The hydrogen, nitrogen and carbon elements contained in steel mill exhaust are the basic raw materials for many chemical products, such as fertilizers, plastics and fuels. The success of the Carbon2Chem project will greatly reduce the carbon dioxide emissions in the process of steel production, thus achieving a new and sustainable basis for steel production.

Introductions to Four Newly-Joint ISRAS Members

As we all known, ISRAS is an international high-level, non-governmental and non-profit scientific institution which unites together scientists and experts from countries along the B&R in terms of technology, enterprise, finance and management to uphold the B&R Initiative by launching this practical international platform.

Therefore, we always welcome scientists from all over the world to join us to contribute to the social and economic development of countries along the B&R and even the whole world. The following are brief introductions to four newly-joint ISRAS members (listed in chronological order of application).

Name	Aram Simonyan	Sex	Male
Country	Armenia	Position	Rector, YSU



Yerevan State University (YSU) is the oldest continuously operating public university in Armenia. Founded in 1919, it is the largest and most prestigious university in the country. It is thus informally known as Armenia's "mother university".

Prof. Aram Simonyan, Rector of YSU, NAS RA Associate Member, Doctor of History, Professor, Publicist. He is the author of more than 100 research papers and has been awarded the Order after Movses Khorenatsi, Honored Figure of Science of the RA. Holder of State Prizes of Kazakhstan and Turkmenistan.

Name	David Kofi Essumang	Sex	Male
Country	Ghana	Position	Professor, UCC



University of Cape Coast (UCC) is a prestigious public collegiate research university located in Cape Coast, Ghana. It was established in 1962 out of a dire need for highly qualified and skilled manpower in education to train graduate teachers for second cycle institutions such as teacher training colleges and technical institutions, a mission that the two existing public universities at the time were unequipped to fulfill.

Prof. David Kofi Essumang, Professor, Department of Chemistry, UCC, renowned experts in Environmental Chemistry.

Name	Martin Zobel	Sex	Male
Country	Estonia	Position	Head, Professor UT



University of Tartu (UT) is Estonia's leading center of research and training. It preserves the culture of the Estonian people and spearheads the country's reputation in research and provision of higher education. UT belongs to the top 1.2% of world's best universities.

Prof. Martin Zobel, Head of Chair, Professor of Plant Ecology, Academician, and Estonian plant ecologist. His name is particularly associated with the idea of an impact of regional species diversity on diversity at smaller spatial scales – known as the species pool effect. He has served as Editor-in-Chief of the scientific journal *Ecography*.

Name	Antonis Kokossis	Sex	Male
Country	Greece	Position	Professor, Director UTUA

National Technical University of Athens (UTUA) is among the oldest higher education institutions of Greece and the most prestigious among engineering schools.



Prof. Antonis Kokossis, Professor, Process Systems Engineering, School of Chemical Engineering; Director, Industrial Process Systems Engineering (IPSEN). Visiting Professor, Faculty of Engineering and Engineering Science, City University, UK; Head, Laboratory for Process and Information Systems Engineering, Institute of Chemical Engineering, University of Veszprem, Hungary. Graduated from Princeton University, Ph.D. in Chemical Engineering, 1991.

Contributions Wanted

Excellent Papers on the B&R for S&T Development

Dear ISRAS members,

In order to strengthen the communication between ISRAS members, the Secretariat has decided to collect excellent papers on the “Belt and Road” for Scientific and Technological development. We would like to invite famous authors and you to contribute best works, for instance, scientific news (no more than 1, 500 words), suggestions for ISRAS development, academic papers and reports of scientific achievements (no more than 3, 500 words). Your innovative and forward-looking contributions should be closely focused on the four plans within the “Science and Technology Innovation Action Plan” which is to publish nonscheduled after acceptance.

Preferred deadline of next volume: 1st, April 2018

We would like to kindly remind you to send us your paper in WORD or PDF format to each contact person (see page 36), and write the author's name, C.V., phone number, email address, postal address and postal code.

Please note that those unpublished contributions will be announced through email within two weeks.

ISRAS Kick-Off Committee Secretariat

15th, Jan. 2018

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