

**PROTOCOL**  
**of the 37th Session of the Poland-China**  
**Scientific and Technological Cooperation Committee**

In accordance with the Agreement on Scientific and Technological Cooperation between the Government of the Republic of Poland and the Government of the People's Republic of China, signed in Beijing on 13 April 1995, and the Protocol of the 36th Session of Poland-China Scientific and Technological Cooperation Committee (hereinafter referred to as the Committee), the 37th Session of the Committee was held in Beijing on 25 May 2018.

The Polish Party of the Committee was headed by Mr. Juliusz Szymczak-Galkowski, Director of the Department of International Cooperation, Ministry of Science and Higher Education of the Republic of Poland. The Chinese Party of the Committee was headed by Mr. YE Dongbai, Director General of the Department of International Cooperation, Ministry of Science and Technology of the People's Republic of China.

The list of participants from both Parties is indicated in Annex I.

The Committee adopted the following agenda:

1. Exchange of information on S&T policy, programmes and priorities of Poland and China.
2. Review of the joint projects agreed at the 36th Session.
3. Discussions on new joint projects and administrative and financial terms.
4. Discussions on deepening cooperation in S&T and innovation.
5. Setting the date and place of the 38th Session of the Committee.

Both Parties reached an agreement on the following issues:

- 1. Exchange of information on S&T policy, programmes and priorities of Poland and China**

Both Parties exchanged information on their key strategies and priorities of S&T development as well as the cooperation with other countries in the area of S&T.

## **2. Review of the joint projects agreed at the 36th Session.**

Both Parties exchanged their opinions on the results of the projects agreed at the 36th Session. The Committee expressed its satisfaction with the implementation of the projects.

## **3. Discussions on new joint Projects and administrative and financial terms.**

Both Parties agreed that projects under the present Protocol should be in accordance with priority fields for S&T cooperation of both countries, and shall comply with the following criteria:

- The project proposals have to be submitted respectively by both cooperating partners to respective Parties;
- The projects should have scientific merit;
- Both partner institutions should be in conditions to implement the projects.

The new project proposals were pre-reviewed by both Parties. According to the project priorities and regulations of both Parties, the Committee selected 20 projects of this session, which are listed in Annex II.

The financial mechanisms will be based on national regulations being in force in each country.

The financial support for the Polish partner institution, which is necessary for the execution of the project activities, as described in the Polish application form, is to be covered from the funds received for statutory activities.

The sending Party will cover the costs of international travel and health insurance.

The receiving Party will cover the costs of accommodation, meals and local transport.

## **4. Discussions on deepening cooperation in S&T and innovation.**

In order to further enhance the level of bilateral science, technology and innovation cooperation, both Parties intend to engage intensively in scientific and technological people to people exchanges and joint activities such as seminars and forums on Polish-China scientific and technological cooperation.

## **5. Setting the date and place of the 38th Session of the Committee**

The Committee agreed that the 38th Session of the Committee will be held in Poland, 2020. Before the 38th Session of the Committee, the details of the next Call for Proposals for the period 2020-2021 will be discussed and decided by MOST, MSHE and National Agency for Academic Exchange NAWA – the institution that since October 2017 has been responsible for joint calls for proposals.

If necessary, the Committee can hold a mid-term meeting to exchange information on latest achievements on S&T policies, and to evaluate the performance of the projects. The exact date and place will be mutually decided through an exchange of letters between the Parties.

The present Protocol integrated with Annex I and II was signed in Beijing on 25 May 2018, in two copies, each in English and Chinese languages. In case of differences in interpretation, the English version shall prevail.

**Chairperson of the Polish Party**

**Chairperson of the Chinese Party**

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Juliusz Szymczak-Galkowski

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YE Dongbai

## **Annex I**

### **List of the Polish Delegation**

#### **The 37th Session of Poland-China**

#### **Scientific and Technological Cooperation Committee**

Mr. Juliusz Szymczak-Galkowski

Chairperson of the Polish Party of the Committee, Director of the Department of International Cooperation, Ministry of Science and Higher Education

Ms. Natalia Popczyk

III Secretary, Head of Education and Science, Embassy of the Republic of Poland in Beijing

### **List of the Chinese Delegation**

#### **The 37th Session of Poland-China**

#### **Scientific and Technological Cooperation Committee**

Mr. YE Dongbai

Chairperson of the Chinese Party of the Committee, Director General of Department of International Cooperation, Ministry of Science and Technology

Mr. ZHOU Yu

Director, Division of Euro-Asia, Department of International Cooperation, Ministry of Science and Technology

Ms. GU Min

Consultant, Division of Euro-Asia, Department of International Cooperation, Ministry of Science and Technology

Ms. SUN Xueping

Programme Officer, Division of Euro-Asia, Department of International Cooperation, Ministry of Science and Technology

## Annex II

### The Project List for the 37th Session of Poland-China Scientific & Technological Cooperation Committee

Project Number	Title	Polish Organization	Polish Applicant	Chinese Organization	Chinese Applicant
37-1	The Joint Study of High Resolution, Real-time Temperature Imaging Utilizing Magnetic Nanoparticles	Warsaw University of Technology	Roman Szewczyk	Huazhong University of Science and Technology	LIU Wenzhong
37-2	Fractional derivative model for solute transport in heterogeneous media: numerical methods and applications	Czestochowa University of Technology	Tomasz Błaszczyk	Hohai University	HongGuang Sun
37-3	Effect of high pressure homogenization (HPH) on the quality and stability of NFC apple juice	Prof. Waław Dabrowski Institute of Agricultural and Food Biotechnology	Krystian Marszałek	Institute of Food Science and Technology, Chinese Academy of Agricultural Science (CAAS)	BI Jinfeng
37-4	Novel mixed matrix membranes (MMMs) for separation of liquid and gas mixtures	Nicolaus Copernicus University in Toruń	Wojciech Kujawski	Nanjing Tech University	JIN Wanqin
37-5	New generation of electrode materials for symmetrical solid oxide electromechanical cells	AGH Univerisity of Science and Techonology	ŚWIERCZEK Konrad	Univerisity of Science and Technology Beijing	ZHAO Hailei
37-6	Research on superheated steam and low temperature combined drying process for low rank coal upgrade	Wrocław University of Science and Technology	Halina Pawlak Kruczek	Shandong Tianli Energy Corporate Limited	SHI Yongchun

<b>Project Number</b>	<b>Title</b>	<b>Polish Organization</b>	<b>Polish Applicant</b>	<b>Chinese Organization</b>	<b>Chinese Applicant</b>
37-7	Development and characterization of recombinant Infectious Bronchitis Virus expressing the S gene of Polish GI-23 lineage (Var2) strain	National Veterinary Research Institute, Poland	Katarzyna Domanska-Blicharz	Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences	WEI Yanquan
37-8	all-in one thermometer-heater luminescent nano-platforms towards photothermal therapy	Institute of low temperature and structure research Polish Academy of Science	Lukasz Marciniak	Northwest University	GUO Chongfeng
37-9	Research on multi-objective optimal design of high power switched reluctance generator	West Pomeranian University of Technology	Ryszard Palka	China University of Mining & Technology	Wang Xing
37-10	Procedures for field measurements at radon/thoron prone areas used for assesment of radiological hazard for population	The Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences	Jadwiga MAZUR	China University of geosciences	Wang Nanping
37-11	Study on power quality assessment in shipboard AC systems - models, definitions, procedures	Gdynia Maritime University	Tomasz Tarasiuk	Shanghai Maritime University	Xu Xiaoyan
37-12	Speciation analysis of various metal in nutrients and medicinally active compounds	Warsaw University of Technology	Lena Ruzik	Zhejiang University of Technology	ZHOU Ying
37-13	Self-healing of SMA containing conductive materials by induction heating and early life skid resistance evolution of its pavement	Warsaw University of Technology	Karol J. Kowalski	Chongqing Jiaotong University	HE Liang

<b>Project Number</b>	<b>Title</b>	<b>Polish Organization</b>	<b>Polish Applicant</b>	<b>Chinese Organization</b>	<b>Chinese Applicant</b>
37-14	Coupled mathematical models for surface and subsurface flow on flooded areas	Gdańsk University of Technology, Faculty of Civil and Environmental Engineering	Romuald Szymkiewicz	College of Environmental Science and Engineering, Nankai University	HUANG Sui Liang
37-15	Research and development photo-responsive supramolecular polymer materials	Adam Mickiewicz University, Poznań	Bogumił E. Brycki	Huazhong University of Science and Technology	WANG Hong
37-16	Abrasion Research of walls of vertical and inclined pipelines as well as lift pumps in deep-sea mining	Wrocław University of Environmental and life sciences	Jerzy Sobota	Hunan University	Zou weisheng
37-17	Super-broadband ultrashort pulse generation at 2 μm in fiber lasers with high temporal quality for seeding of mid-infrared optical amplifiers	Institute of Electronic Materials Technology (ITME), Poland	Mariusz Klimczak	Jiangsu Normal University	ZHAO Luming
37-18	Investigation of geometric and topological properties of Banach and F-normed spaces and their applications	Adam Mickiewicz University in Poznań	Marek Wiśła	Harbin Normal University	Ma Haifeng
37-19	Scheduling under due date constraints and its applications in production systems	Institute of Computing Science, Poznan University of Technology	Malgorzata Sterna	School of Electronics and Information Engineering, Liaoning University of Technology	Chen Xin
37-20	Cell-mediated immunity of calves challenged with <i>M. bovis</i>	National Veterinary Research Institute, Poland	Katarzyna Dudek	Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences ,China	CHU Yuefeng