

Decision Document on Science and Technology Cooperation Projects (2021-2023)

between

**the Republic of Slovenia and the People's
Republic of China**

In compliance with the Agreement on Scientific and Technological Cooperation between the Government of the Republic of Slovenia and the Government of the People's Republic of China signed in Ljubljana on 13th September 1993, the Protocol of the 12th Session of the Slovenia-China Scientific and Technological Cooperation Committee signed in Ljubljana on 26th March 2018, and Memorandum of Understanding Between the Ministry of Education, Science and Sport of the Republic of Slovenia and the Ministry of Science and Technology of the People's Republic of China on Joint Funding of Research and Development Projects signed in Beijing on the 17th May 2019, the Ministry of Education, Science and Sport of the Republic of Slovenia (hereinafter referred to as "MESS") and the Ministry of Science and Technology of the People's Republic of China (hereinafter referred to as "MOST") (hereinafter referred to as "Parties") confirm the following:

I. Selection and approval of the mobility projects for years 2021-2022

- 1) MOST announced the call for joint project proposals for 2020-2022 on 17th Jan. 2020, planned to keep it open until 10th March 2020 and yet because of the COVID-19 pandemic had to prolongate it to 30th April 2020. MESS announced the call for joint project proposals for 2020-2022 on 17th Jan. 2020, planned to keep it open until 10th March 2020 and because of the COVID 19 legislation in Slovenia had to prolongate it to 9th June 2020.
- 2) During the call, 74 joint project proposals on the Chinese side and 70 on the Slovenian side were submitted respectively.
- 3) 66 project proposals were matched and thus accepted for expert evaluation carried out by both Parties.
- 4) 24 project proposals were finally recommended for funding by both Parties. The list of recommended project proposals is included in the Annex I (2021-2022 China-Slovenia Mobility Projects). Due to the pandemic, the results of the call were approved by circulation.

- 5) The total support for each project is 90,000 RMB Yuan provided by MOST and up to 5.000 Euros by MESS. Both parties agreed to provide necessary financial support for implementation of the approved projects in accordance with respective financial regulations. The sending party covers the international travel costs. The receiving party covers allowance for meals, accommodation and local transportation costs (including the transfer from the first point of entry in the host country to the receiving institution and return) necessary for the implementation of the approved projects according to the host country laws and regulations in force. For each project listed in Annex 1 to this Decision Document, both parties agreed to support the exchange of 4 persons from each country for a maximum period of 14 days for each person for the whole duration of the project. The Committee recommends that visits are executed in both years.
- 6) The implementation of bilateral mobility projects shall be completed before the 31st December 2022. In case of force majeure, such as long duration of the pandemic and its consequences affecting the proper completion of the projects, the exact deadline for implementation will be specified later - once the sanitary situation in both countries allow for that.
- 7) Both Parties agree that the date of the next Call for proposals and necessary elements for the Call will be agreed via e-mail. The 13th Session of the Committee will be held in China.
- 8) Based on the Protocol of the 12th Session of the China-Slovenia Scientific and Technological Cooperation Committee, held in Ljubljana on 26th March 2018, both parties agree, that visits of the researchers, which have not been realized to the end of 2020, could be realized by the end of 2021.

II. Selection and approval of the R&D cooperation projects for years 2021-2023

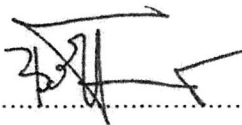
- 1) The MOST announced the call for proposal for joint R&D Cooperation project proposals for research organizations for the period of 2020-2023 on 28th October 2019 with the deadline for the submission of project proposals by 27th November 2019 on the Chinese side. MESS published the call for proposal on 4th October 2019 with the deadline for the submission of project proposals by 28th November 2019 on the Slovenian side.
- 2) Within the call, 15 joint project proposals on the Chinese side and 16 on the Slovenian side were submitted respectively.
- 3) 15 project proposals were matched and thus accepted for expert evaluation carried out by both Parties.
- 4) On the basis of the evaluation of project proposals at Chinese side, it was established that none of the project proposals applied for biomedicine does not fulfill the necessary threshold and thus Parties could not support any project from the above mentioned scientific discipline. As the call text stated that Parties shall select three projects, from each research discipline one project, Parties could select and support only 2 projects, as listed in Annex II (2021-2023 China-Slovenia R&D Cooperation Projects).
- 5) The total support for each project is about 1,000,000 RMB Yuan provided by MOST and 130.000 Euros by MESS.

6) The implementation guidelines for the approved projects are stipulated in the internal methodologies of the partner organizations.

Each Party shall notify the other Party of any changes to this document in writing sent by letter or email.

This document is signed in two copies in English and Chinese, both texts being equally authentic. In case of divergent interpretation to the texts, the English copies shall prevail.

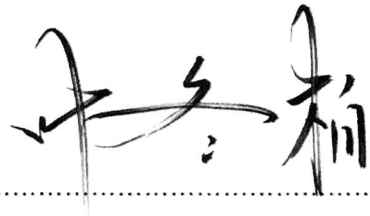
**On behalf of the Ministry of Education, Science
and Sport of the Republic of Slovenia**



Dr. Tomaz Boh
Director General
Science Directorate

Date: 18.12.2020

**On behalf of the Ministry of Science and Technology
of the People's Republic of China**



YE Dongbai
Director General
Department of International Cooperation

Date: 2020.12.29

Annex I

2021-2022 China-Slovenia Mobility Projects

Project Number	Project Heading	Chinese Institution	Chinese PI	Slovenian Institution	Slovenian PI
1	Concepts and comparison of high-efficiency perovskite solar cells	Soochow University	Liu Zeke	University of Ljubljana, Faculty of Electrical Engineering	Marko TOPIČ
2	Designing plasmonicity of carbon-based nanomaterials	Department of Physics and Astronomy, Shanghai Jiao Tong University	Zhong Xiaoxia	Jožef Stefan Institute	Uroš Cvelbar
3	Sequence-Controlled Synthesis and Comprehensive Characterization of Copolymers	South China University of Technology	Zhao Junpeng	National Institute of Chemistry	Ema Žagar
4	Machine learning methods in real-time biofeedback systems	School of Artificial Intelligence, Beijing Normal University	Bie Rongfang	University of Ljubljana, Faculty of Electrical Engineering,	Anton KOS
5	Co-Firing of Alternative Fuels in Pulverized Coal-Fired Furnace	Xi'an Jiaotong University	Wang Xuebin	University of Maribor, Faculty of mechanical engineering	Milan Vujanović
6	Study On Infrared Absorber Tuning Technology Based On Laser-Beam-Induced Phase Transformation	University of electronic science and technology of China	Wang Zhiming	University of Nova Gorica	Maijaž Valant
7	Analysis of the regional deposition of aerosol droplets inhaled by using the nebuliser in the human airway	Huazhong University of Science & Technology	Cui Yan	University of Maribor, Faculty of mechanical engineering	Jure Ravnik

8	The efficiency and productivity of global top R&D spending companies: A comparison between major world economies	Institutes of Science and Development, Chinese Academy of Sciences	Yang Guoliang	University of Ljubljana, Faculty of Administration	Aleksander ARISTOVNIK
9	Plasmon-Coupled Microcavities for Real-Time Molecular Sensing Inside Live Cells	Southeast University	Zhao Xiangwei	Jožef Stefan Institute	Matjaž Humar
10	Qualitative Investigation and Bifurcations of Periodic Solutions in Dynamical Systems	Shanghai Normal University	Tian Yun	Center for Applied Mathematics and Theoretical Physics, University of Maribor	Valerij Romanovskij
11	Advanced, smart and reliable power systems	Hunan Institute of Technology	Zou Yanhua	University of Ljubljana, Faculty of Electrical Engineering	Marko Tomaž Čepin
12	Model for material degradation assessment by observing surfaces process under cyclic dynamic loading	Xidian University	Huang Dongmei	University of Maribor, Faculty of mechanical engineering	Nenad GUBELJAK
13	The Existence of Rare Earths in Steel and Its Role	Inner Mongolia Baotou steel union co. LTD (Key laboratory of rare earth steel product research and development enterprise of Inner Mongolia autonomous region)	Zhi Jianguo	Institut of Metals and Technology	Matjaž Godec
14	Antibacterial mechanism of polyelectrolyte composite coating	East China University of Science and Technology	Guo Xuhong	University of Ljubljana, Faculty of Health Sciences	Klemen Bohinc

15	Research and technological framework for Construction 4.0	Tsinghua University	MA Zhiliang	University of Ljubljana, Faculty of Civil and Geodetic Engineering	Žiga Turk
16	Remote sensing of stratospheric properties and their correlation to climate change	Xi'an University of Technology	Hua Dengxin	University of Nova Gorica	Griša Močnik
17	Determination of the geographical origin of hop harvested in Slovenia and China	China National Research Institute of Food & Fermentation Industries Co., LTD	Jiang Wei	Slovenian Institute of Hop Research and Brewing	Iztok Jože Košir
18	Computer Modeling of Biological Macromolecules	Department of Medicinal Chemistry, School of Pharmacy, Fudan University, China	Wang Renxiao	University of Primorska, Faculty of mathematics, Natural Sciences and Information Technologies	Dušanka Janežič
19	Developing Smart Cities/Communities Maturity from Smart Region Perspectives with Focus on One Belt One Road Initiative	Dalian Minzu University	Zhang Juyong	University of Maribor, Faculty of Economics and Business	Simona Sternad Zabukovšek
20	Analysis of internet-based cultural transmission by knowledge graphs	Dalian Minzu University	Liu Shuang	University of Maribor, Faculty of Electrical Engineering and Computer Science	Niko Lukač
21	The Silk Road and Social Fields Theory	University of Nottingham Ningbo China	Emilian Kavalski	Faculty of Applied Social Studies	Tea Golob
22	Assessment of Aviation Biofuels in Advanced Combustion Concepts	Shanghai Jiao Tong University	CHONG CHENG TUNG	University of Ljubljana, Faculty of Mechanical Engineering	Tine Seljak

23	Selective monoamine oxidase B (MAO-B) inhibitors: novel agents to tackle Parkinson's disease	Soochow University	Liu Chunfeng	University of Ljubljana, Faculty of Pharmacy	Damijan Knez
24	A comprehensive bibliometric analysis of the DEA literature in recent decades	Institutes of Science and Development, Chinese Academy of Sciences	Pei Ruimin	University of Ljubljana, Faculty of Public Administration	Dejan Ravšelj

Annex II

2021-2023 China-Slovenia R&D Cooperation Projects

No.	Project Heading	Chinese Institution	Chinese PI	Slovenian Institution	Slovenian PI
1	Novel Environmentally Acceptable Thin Surface Coating Corrosion Inhibitor Formulations: Their Mechanism and Application	China University of Petroleum (East China)	Wang Yefei	Faculty of Chemistry and Chemical Technology, University of Maribor	Matjaž Finšgar
2	Ecohydrological study of spatio-temporal dynamics in karst critical zones under different climate conditions	Institute of Karst Geology, Chinese Academy of Geological Sciences	Pu Junbing	Research Centre of the Slovenian Academy of Sciences and Art, Karst Research Institute	Nataša Viršek Ravbar