

ACTION PLAN
Pugwash Committee of Kazakhstan (hereafter – PCK) for 2020

##	Action	Completion form	Responsible Person	Term
1. Organizational Arrangements				
1.1	Prepare draft “Action plan of PCK for 2020” and “Action plan of YD PCK for 2020”, revised membership of PCK to be approved by KazNANS Presidium.	Decision of KazNANS Presidium	T.Z. Akhmetov, A.A. Zeinullin, A.Zh. Miniyazov	Quarter 1
1.2	Review of proposed budget of PCK for 2020.	Approval	NSK (as agreed)	Quarter 1
1.3	Public awareness regarding activity of the PCK: arrangement of technical visits to enterprises implementing research projects of high priority, having potential risks in nuclear, chemical, biological, ecological safety (technogenic and natural) and information safety); cooperation in special lecture in universities; TV broadcasting and round table discussions attended by members of PCK, including: – series of meetings with students, post-graduates in the following cities: Nur-Sultan, Almaty, Semey, Karaganda, Turkestan, Ust-Kamenogorsk, with scientists.	Information about events, publications in NSK periodicals, post on website of PCK.	NPIC NSK, MES RK, ME RK, RSE NNC RK, “KazRena” Association, Kazenergy Association, Secretariat of PCK	Within a year
1.4	Biotechnology in Kazakhstan: global challenges and development prospects.	Presentation at meetings of PCK	Youth department, P.V. Tarlykov	Quarter 4
1.5	Activity of Association of “KazRena” scientific education computer network of Kazakhstan users.	Presentation at meetings of PCK	“KazRena” Association	Quarter 4

2. Coordination of international and interregional scientific cooperation on arms control, non-proliferation, reduction and prohibition of the use of weapon of mass destruction, general and regional security, energy and environmental security, development of international and interregional scientific links, social responsibility of the scientific community, history of science and international relations.

2.1	<p>Development of international scientific cooperation in nuclear physics, radiation material science, radioecology and personnel training, including:</p> <ul style="list-style-type: none"> — create new ion source for accelerator DC-60 in INP; — develop a design for creating powder diffractometer at WWR-K reactor; — study into magnetic properties of nano-structure materials based on iron oxide; — study into impact of ionizing radiation to structural characteristics of ceramic materials; — research of synthesis and binding carborane compounds to magnetic nanostructures; — invite scientists and professors from laboratories of JINR to deliver lectures and practical lessons for doctoral and master students of L.N. Gumilev ENU; — develop a design for distributed information and computing medium using resources of LIT JINR and L.N. Gumilev ENU. 	Joint Institute for Nuclear Research (JINR), Dubna, RF	RSE INP ME RK, L.Gumilev ENU, PCK members.	Within a year
2.2	Participation in Forum for Nuclear Cooperation in Asia (FNCA).	Arrangement of meetings with foreign partners	Secretariat of PCK and RSE NNC RK	Within a year
2.3	Assistance in organizing and convening III meeting of Kazakhstan Physics Society.	Arrangement of meeting	Secretariat of PCK and RSE NNC RK	June, 2020
2.4	Assistance in organizing visit of UN fellows to the former Semipalatinsk test site.	Arrangement of the visit	Secretariat of PCK and RSE NNC RK	August, 2020
2.5	Support in organizing and convening IX International conference “Semipalatinsk test site. Legacy and prospects for scientific and technical development potential”.	Arrangement of the conference	Secretariat of PCK and RSE NNC RK	September, 2020
2.6	Assistance in arrangement of Kazakhstan exhibition booth at 64 th session of IAEA General Assembly	Exhibition booth	Secretariat of PCK and RSE NNC RK	September, 2020
2.7	Assistance in preparation of XI International Conference “Monitoring of nuclear tests and their consequences”, Almaty	Preparation of invitations (proposals) to the PMS and PCK	RSE IGR ME RK, Secretariat of PCK.	August 10 – 14, 2020
2.8	Assistance to training center to support CTBTO at Data Center of RSE IGR in cooperation with NorSar Norway center	Proposal and participation of PMS and PCK members	RSE IGR ME RK, Secretariat of PCK	25.03.-05.04., 26.08.-06.09. 2020

2.9	Support in efforts on conversion of research nuclear reactors of RSE NNC RK to low-enriched fuel	Arrangement of a meeting with foreign partners	RSE NNC RK and Secretariat of PCK	Within a year
2.10	Support in efforts on conversion of research nuclear reactors of RSE NNC RK to low-enriched fuel.	Arrangement of a meeting with foreign partners	RSE NNC RK and Secretariat PCK	Within a year
2.11	Continuation of research and development on the following topic: “Development of methodic approaches in evaluation of effect of accident crash of carrier-rocket to the environment and public health”.	Information concerning completion of project stages by RSE “SRC “Garysh-Ecologiya”	AK MDAI RK, M.M. Moldabekov	Quarter 4, 2019
2.12	Continuation of researches on: 1. Terrestrial and space technologies for monitoring and forecasting the natural and technogenic disasters in the Earth’s lithosphere; 2. Establishment of space weather monitoring system for analysis and prediction of operation conditions for space facilities	Information from “Institute of Ionosphere” Branch Association Ltd., “National Centre for Space Studies and Technology” JSC	Zh.Sh. Zhantaev	Within a year
2.13	Continuation of researches on ROF “Green Technologies through Supercritical Environments” in 2020.	Information on implementation of PCMAC, Al-Farabi KazNU	M.K. Nauryzbaev	Within a year
2.14	Continuation of researches on: “Cascade solar heat pump for heating and hot water supply for regions with continental climate” and “Technology of seasonal accumulation of solar thermal power for heating and hot water supply”, financed by IBRD (International Bank for Reconstruction and Development) and aimed at intensive use and development of alternative sources of power, promoting the reducing of atmospheric pollution in industrial cities and reducing the greenhouse effect (II-nd stage).	Information from “KazNITU” named after K.Satpayev LLC	A.Zh. Kaltaev	Within a year
2.15	Development and realization of domestic means of information protection in the info-communication systems, and qualified personnel training for infosecurity in RK.	Information of RSE “IICT” Science Committee of the Ministry of Education and Science of the RK	M.N. Kalimoldaev	Within a year
3. PCK members’ participation in the International Conferences, held under the auspices of PMS and other organizations, approval of topics covered in papers and personnel composition of Kazakhstani participants				
3.1	PCK members’ participation in the International Conferences, held under the auspices of PMS and other organizations, approval of topics covered in papers and personnel composition of Kazakhstani participants.	Participation program. Press-release	KazNANS Presidium, PCK Secretariat	Within a year
3.2	The 63th International Pugwash Conference “Dialogue not Confrontation: Nuclear Risks and Conflict Resolution” in Doha (Qatar)	Information on participation	V.S. Shkolnik, K.Kh. Abuseitov, T.Z. Akhmetov	March 1 to 5, 2020

3.3	Facilitate the participation of young scientists from Kazakhstan in the 3 rd Science Diplomacy Symposium, organized by CTBT (Vienna, Austria) with the purpose to promote the development of scientific potential and cooperation between scientists and politicians.	Information on participation	PCK Secretariat, Youth Department of PCK	March 30 - April 03, 2020.
4. Promotion the establishment and facilitation connections of Kazakhstani scientific organizations, higher educational institutions and certain scientists with Pugwash Movement of Scientists; involvement of young scientists and specialists from scientific organizations and higher educational institutions of Kazakhstan in the activity of Pugwash Movement of Scientists, their participation in the activities of International Students/Youth Pugwash Movement.				
4.1.	Promotion the establishment and facilitation the connections of Kazakhstani scientific organizations, higher educational institutions and certain scientists with Pugwash Movement of Scientists; involvement of young scientists and specialists from scientific organizations and higher educational institutions of Kazakhstan in the activity of Pugwash Movement of Scientists.	Plan of joint activities. Organization of round table (video-conference)	KazNANS, PCK Secretariat, Youth Department of PCK	Within a year
4.2	Interaction and cooperation with the National Pugwash Groups in Member-Countries in Pugwash movement of scientists, including youth groups.	Plan of joint activities	A.Zh. Miniyazov, S.A. Aliev (as agreed with NSK), Youth Department of PCK	Within a year
4.3	Round table holding with youth department of the Pugwash Committee of the Russian Federation on actual theme with the Youth Department of PCK.	Round table (video-conference) holding	A.Zh. Miniyazov, S.A. Aliev (as agreed with NSK)	Quarter 3
4.4	Facilitate the organization and participation in HEI and RDE activities under PCK' activities.	Information on participation	A.Zh. Miniyazov, S.A. Aliev, PCK Secretariat, Youth Department of PCK	On a permanent basis