

International Conference on the topic of “Interrelationship and synergistic development between water and ecology in Aral Sea Basin”

(15th-21th, May, 2019, Uzbekistan)

1 Purpose of this event

In the recent history of global environmental disasters experienced by Central Asian countries, one of the largest is the tragedy of the Aral Sea, which, due to its environmental, climatic, socio-economic, and humanitarian consequences, represents a key threat to the sustainable development of the region.

Until 1960, the Aral Sea was one of the largest enclosed water bodies in the world with an area of 68.9 thousand km² and volume of 1083 km³, its length was 426 km, width crossed 284 km, maximum depth reached 68 m.

The Aral Sea served as a climate regulator and mitigated the rapid fluctuations of weather throughout the region, which favorably benefited to the living conditions of the population, agricultural production and the ecological situation. The sea was also the main source of valuable food fish for the population with annual fish yields about 40000 ton.

In fact, during the life of one generation, the whole sea perished, the process of land, water, fauna and flora degradation still continues.

On the south-eastern part of the sea so-called “Aralkum”, dried out and sand-salt desert appeared, expending an area of more than 5.5 million hectares. Every year, over 75 million tons of dust and poisonous salts rise into the atmosphere from “Aralkum”. According to scientists, the dust from this place has already been recorded in the glaciers of the Pamir and Tien Shan, as well as the Arctic.

In the Aral Sea region, more than half of the gene pool of plant and animal world has disappeared. 11 species of fish, 12 species of mammals, 26 species of birds, 11 species of plants are already practically extinct.

Thus, in the Aral Sea region, a complex set of environmental, climatic, socio-economic and demographic problems arose that have far-reaching consequences, threatening global security. Therefore, the scientists worldwide sincerely would like to contribute their experiences and knowledge, work with local experts to restore the ecosystem of Aral Sea Region.

2 Proposed topics for the conference

- 2.1 Water availability, its past and future/Water availability simulation and prediction
- 2.2 Land use and land cover changes
- 2.3 Agricultural water use and innovative technologies
- 2.4 The Aral Sea and its environment
- 2.5 Policies of agriculture, water and environment
- 2.6 Integrative watershed management - perspectives of the Aral Sea Basin (ASB) development from multiple view angles
- 2.7 Salt dust from the playa of the Aral Sea and its regional environmental and human consequences

3 Language

English and Russian (simultaneous translation of oral presentation will be provided)

4 Fees

The organizing committee of Chinese side will provide the cost for accommodation, meals and flights for participants from Central Asia during the conference in Uzbekistan.

The local transportation during the conference will be provided by organizing committee to all participants.

Registration fee will be charged to the participants from the China side.

5 Time and venue

15th –21th, May, 2019.

Karakalpak Branch, Academy of Sciences of the Republic Uzbekistan

6 Budget

The China side will cover the expense for the event, and the trip (air ticket, hotel and meals) for the speakers from Tashkent. The other invited speakers' expense will be covered by their hosts.

7 Organizers

China:

Xinjiang Branch, Chinese Academy of Sciences

Research Center for Ecology and Environment of Central Asia, Chinese Academy of Sciences

Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences

Uzbekistan:

Academy of Sciences of the Republic Uzbekistan

Institute of Botany, Academy of Sciences of the Republic Uzbekistan

Karakalpak Branch, Academy of Sciences of the Republic Uzbekistan

8 Agenda

date	activities	Notes
2019-05-15	register	Nukus
2019-05-16	Workshop and group discussions	Nukus
2019-05-17		
2019-05-18-20	Field trips	Depending upon different groups
2019-05-21	departure	Some participants may Not take field trips, and some may depart Uzbekistan before this date.

9 Contact persons

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Dr. Latipa, latipa@ms.xjb.ac.cn

Registration Form

Family name: _____; Prof., Dr., Mr., Mrs., Ms

First Name: _____; **Position:** _____

Institution: _____

Title of the Presentation: _____

Full Postal Address: _____

Mobiles: _____; **E-mail:** _____