

**Eighteenth session of Regional Association II (Asia)  
(RA II-18)**

**Name: Ms Danara ALIMBAYEVA**

*Director-General, RSE Kazhydromet and Permanent  
Representative of Kazakhstan with WMO*



**Involvement in WMO bodies:**

**Permanent Representative of Kazakhstan - WMO**

**Member** – Interstate Council on Hydrometeorology of the Commonwealth of Independent States

**National Focal Point** – Global Climate Observing System (GCOS) Networks

**National Focal Point** – Monitoring and Evaluation System

**Summary of Professional Qualifications:**

**Master of Science (MSc) Degree, Ecology**

**Bachelor of Science (BSc) Degree, Finance**

**Bachelor of Science (BSc) Degree, Meteorology**

**Summary of Education:**

**Kazakh Institute of Law and Market** **2006-2008**

*BSc Finance | Almaty, Kazakhstan*

**Kazakh Head Architectural and Construction Academy** **2004-2005**

*MSc Ecology | Almaty, Kazakhstan*

**Al-Farabi Kazakh National University** **1994-1999**

*BSc Meteorology | Almaty, Kazakhstan*



# Danara Alimbayeva

## Meteorologist

Dedicated meteorology specialist with 21-year long journey. Eager to advance and thrive in my profession.

### Experience

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### Contact

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**Phone** +77758092780  
**Email** alimbayeva\_d@meteo.kz

### Education

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**BSc Meteorology**  
1994-1999  
Al-Farabi Kazakh National University  
Almaty, Kazakhstan

**MSc Ecology**  
2004-2005  
Kazakh Head Architectural and Construction  
Academy  
Almaty, Kazakhstan

**BSc Finance**  
2006-2008  
Kazakh Institute of Law and Market  
Almaty, Kazakhstan

### Expertise

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- Observation network: knowledge of technical principles, automation of processes, building and budgeting
- Project Management
- Development of software for meteorological and environmental networks

### Languages

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**English - B1 Level**  
**Kazakh - Native**  
**Russian - Native**

**2002-2003**

*RSE Kazhydromet | Almaty, Kazakhstan*

#### Meteorological Technician

- Collection and processing of meteorological information

**2003-2009**

*RSE Kazhydromet | Almaty, Kazakhstan*

#### Meteorological Engineer

- Processing of meteorological data
- Methodological maintenance of meteorological stations

**2009-2010**

*RSE Kazhydromet | Astana, Kazakhstan*

#### Head of Meteorological Information Department

- Methodological support for observational network
- Preparation of methodological guidance documents
- Inspection of meteorological stations

**2010-2015**

*RSE Kazhydromet | Astana, Kazakhstan*

#### Director of the Department of Meteorology

- Preparation of budget requests for maintenance of the observation network
- Modernization of meteorological observations
- Transferring manual stations to automates monitoring
- Development of guidance documents for meteorological observing network

**2015-2017**

*RSE Kazhydromet | Astana, Kazakhstan*

#### Director of the Department of Environmental Monitoring

- Preparation of methodological manual of the environmental observation network
- Development and automation of work processes
- Development of software systems for the treatment of water, soil, and atmospheric air surfaces
- Organization of a mobile application development, which provides information on air quality for citizens
- Launching chemical analytical laboratories
- Organization and integration of private observation networks with the state observation network

**2017-2020**

*RSE Kazhydromet | Astana, Kazakhstan*

#### Deputy General Director

- Supervising work of meteorological, environmental, hydrological types of monitoring
- Development of modernization program for improvement of meteorological, environmental and hydrological monitoring
- Development of the Environmental Code regarding meteorological monitoring

**2020-CURRENT**

*RSE Kazhydromet | Astana, Kazakhstan*

#### Director-General

# Merit Awards

- Honored Hydrometeorologist Award of the Ministry of Ecology and Natural Resources
- Honored Ecologist of the Ministry of Ecology and Natural Resources
- Medal for conscientious work from the President of the Republic of Kazakhstan
- Medal "For excellence work"
- Medal for the 25th anniversary of the Constitution of Kazakhstan
- Medal for the best ecologist on the 30th anniversary of Ecology Day
- Award for 5 women of Kazakhstan who contributed to the ecology of Kazakhstan

- Permanent Representative of Kazakhstan at the World Meteorological Organization
- Modernization of hydrometeorological field
- Maintaining work processes of the National Hydrometeorological Service

## International Activities

- "Automated measurement methods" June 2008, Obninsk, Russia;
- "Automated measuring instruments" November 2008, Alanya, Türkiye;
- "Hydrometeorological measuring complexes" December 2010, Potsdam, Germany;
- "Transition of conventional stations to automatic ones" June 2010, Shefayim, Israel;
- Working meeting "Opening of automatic stations in Kyrgyzstan" September 2011, Bishkek, Kyrgyzstan;
- Working conference May 2012, Helsinki, Finland;
- Modernization of hydrometeorological services of Central Asian countries, using the example of Uzhydromet August 2013;
- Study tour of best practices from meteorological, hydrological and environmental services in France and Finland. February 2014, Visiting services France MFI and Finland FMI;
- Participation in the 17th Congress of the World Meteorological Organization June 2015, Geneva;
- Participation in the 17th meeting of the working group on environmental monitoring and assessment September 2015, Geneva;
- Participation in the Interstate Commission for Sustainable Development of the International Fund for Saving the Aral Sea with a presentation on the topic "On the ongoing joint monitoring of transboundary water bodies by the RSE "Kazhydromet" May 2016 Ashgabat, Turkmenistan;
- Participation in the 19th Congress of the World Meteorological Organization May-June 2023, Geneva;
- Member of the Kazakh-Chinese, Kazakh-Russian, Kazakh-Kyrgyz, Kazakh-Uzbek Joint Commission on Environmental Protection and Water Resources Issues

## Accomplishment

- Co-author in the development of a methodological manual for the observation network of Kazakhstan;
- Co-developer of a software system for the observation network "Automated workstation Meteorologist";
- Co-author in the development of a software package for the observation network "Workstation of Meteorologist"
- Expert in the preparation of the III-IV National Communication of the Republic of Kazakhstan to the UN Framework Convention on Climate Change
- Research expert "Conducting scientific research on a comprehensive solution to the issue of increasing the volume (level) and quality of water in the lakes of the Shchuchinsk-Borovskoe resort area"
- Expert in the work on assessing the technical basis for the harmonization of water quality monitoring systems in the Chu-Talas basin within the framework of the GEF/UNDP/Government of the Kyrgyz Republic project "Promoting transboundary cooperation and integrated water resources management in the Chu and Talas River basins"
- National expert from the Republic of Kazakhstan on assessing the needs for water quality monitoring in the Republic of Kazakhstan" in Central Asia
- CAREC Project "Strengthening cooperation in the field of water quality management in Central Asia";
- Author of the development of a mobile application for monitoring air quality in the Republic of Kazakhstan. The application is available for free <https://play.google.com/store/apps/details?id=kz.khm.airkz&hl=ru&gl=US>;
- Author of the development of the AgroData application. This application is intended to provide agrometeorological services to peasants and farms, as well as to all interested citizens of Kazakhstan. <https://agrodata.kz/#/home>;
- Participated in the development of the Strategic Plans of the RSE Kazhydromet
- Participation in the restoration and modernization of the observation network of the RSE Kazhydromet
- Participation in research work on the Caspian Sea 2023
- Participation in the development of the new Environmental Code 2021

## List of relevant publications and scientific papers

1. Assessing air quality changes in large cities during COVID-19 lockdowns: The impacts of traffic-free urban conditions in Almaty, Kazakhstan. Science of the Total Environment 730, 139179  
Kerimray A., Baimatova N., Ibragimova O.P., Bukenov B., Kenessov B., **Alimbayeva D.**, Karaca F., 2020;
2. Spatiotemporal Variations and Contributing Factors of Air Pollutants in Almaty, Kazakhstan. Aerosol and Air Quality Research 20, 1340-1352  
Kerimray A., Azbanbayev E., Kenessov B., Plotitsyn P., **Alimbayeva D.**, Karaca F., 2020.;
3. Spatial and temporal variability of snow depth derived from passive microwave remote sensing data in Kazakhstan  
Mashtayeva, S., Dai, L., Che, T., **Alimbayeva, D.**, Akynbekkyzy, M.  
Journal of Meteorological Research this link is disabled, 2016, 30(6), стр. 1033–1043.