Climate change has a vast impact on Central Asia, with high vulnerability to natural disasters such as droughts, floods, earthquakes and landslides. Natural disasters cost the region $10 billion a year, affecting 3 million people annually.

Women should be an integral part of the process of developing solutions aimed at mitigating the effects of climate change. (UN Women)

Average annual temperatures in the territory of the Chu and Talas river basins is expected to increase by between 2 to 3°C by 2050 and by 3 to 4°C by 2100. (UNECE)

The Strategic Framework for Adaptation to Climate Change in the Dniester River Basin was developed by the OSCE to bring together the data available today on the current and possible future trends in climate change in the Dniester Basin.

The Co-ordinator of OSCE Economic and Environmental Activities, in partnership with the Central Asia Youth for Water Network (CAY4W Network), has a series of podcasts dedicated to female role models from Central Asia. In Episode 6, Dr. Julia Podrezova, climate scientist at the Central Asian Institute of Applied Geosciences, explores how gender-sensitive research works in practice.
CO₂ emissions (metric tonnes per capita)

Kazakhstan: 12.06
Kyrgyzstan: 1.74
Tajikistan: 0.81
Turkmenistan: 12.26
Uzbekistan: 3.40
Afghanistan: 0.20

PM₂.₅ air pollution, population exposed (%)

Kazakhstan: 87
Kyrgyzstan: 97
Tajikistan: 100
Turkmenistan: 100
Uzbekistan: 100
Afghanistan: 100

Annual temperature change (°C)

Kazakhstan: no data
Kyrgyzstan: 1.3
Tajikistan: 1.5
Turkmenistan: 1.6
Uzbekistan: 0.6
Afghanistan: 1.0

CO₂ emissions related to wastewater (kilotonnes)

Kazakhstan: 817
Kyrgyzstan: 279
Tajikistan: 381
Turkmenistan: 261
Uzbekistan: 1,477
Afghanistan: 1,546

CO₂ emissions related to solid food waste (kilotonnes)

Kazakhstan: 1,097
Kyrgyzstan: 441
Tajikistan: 708
Turkmenistan: 157
Uzbekistan: 1,698
Afghanistan: 1,887

Deforestation rate (% change)

Kazakhstan: -0.9
Kyrgyzstan: -1.4
Tajikistan: no data
Turkmenistan: no data
Uzbekistan: -0.7
Afghanistan: no data