Ministry of Emergency Situations of the Republic of Kazakhstan

Interaction and cooperation in the field of forecasting and prevention of floods







Flood forecasting is carried out on the basis of data from Kazhydromet of the Ministry of Ecology and Natural Resources, the frequency and recipients of which are regulated by a joint order of the ministries for emergency situations (dated 19.01.2021 No. 17), ecology, geology and natural resources (dated 27.01.2021 No. 16-p).

In addition, as part of the Roadmap for anti-flood measures in 2020, the material and technical base of Kazhydromet was modernized.



















The forecast of the flood situation was carried out on the basis of hydrological forecasts of Kazhydromet as of February 1 and March 1, 2023

To calculate the expected water content and timely response to the current situation, the following are determined:

- catchment areas of lowland river basins
- accumulated moisture reserves on them (digital terrain models were used)
- soil freezing rates and risks of rising levels
- data from hydrometeorological services of Kyrgyzstan (basins of the Syrdarya, Chu and Talas rivers) and Russia (Ural river)













Saratov region



Orenburg region

on the state of the ice cover, filling and discharge of water from the Iriklinsky, Priuzensky, Varfolomeevsky reservoirs (RF)



Aktobe region



Orenburg region

on the state of the ice cover, filling and discharge of water from the Aktobe and Kargaly reservoirs (RK) on the Ilek and Or rivers (tributaries of the Ural River), the Iriklin reservoir (RF)



Kostanay region



Chelyabinsk region



Kurgan region

on the state of the ice cover, filling and discharge of water from the Verkhnetobolsk and Karatomar reservoirs (RK)

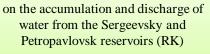




North-Kazakhstan region



Tyumen region





Pavlodar region



Omsk region

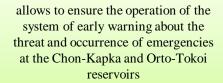
on the state of the ice cover, accumulation and discharge of water during the period of environmental releases from the Shulba reservoir (RK)



Zhambyl region



Talas region



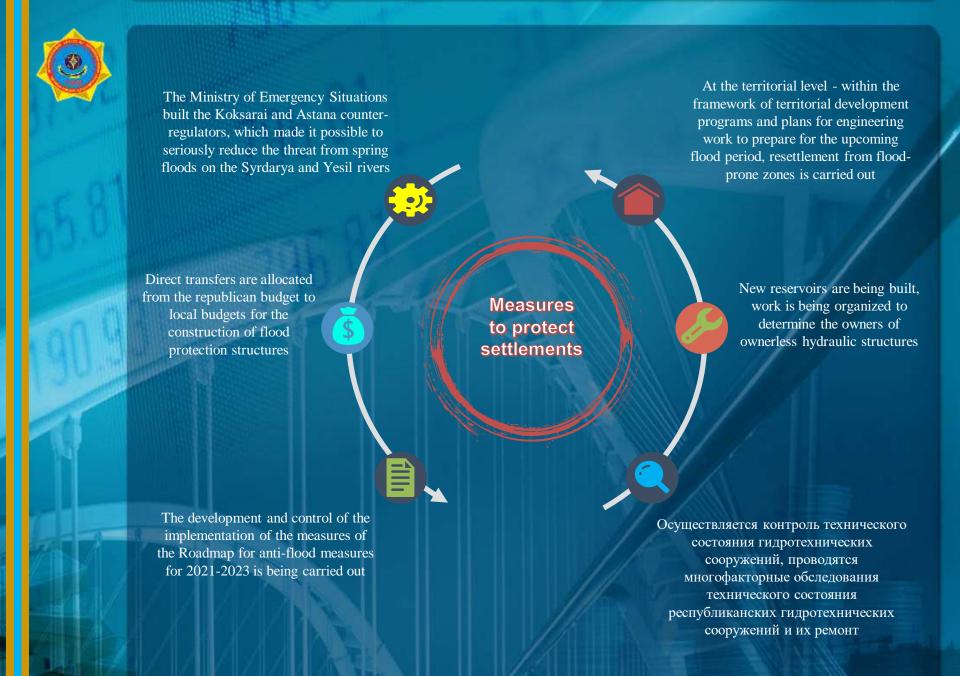


Turkestan region



Taskhent region

organized daily exchange of information



Thank you for your attention!