

Center for Emergency Situations and Disaster Risk Reduction



BACKGROUND OF THE CENTER'S ESTABLISHMENT:

2005: Kazakhstan first initiated a proposal to establish a Central Asian Center for emergency situations at the second World Conference for disaster risk reduction in Kobe (Japan)

17th May, 2013: In Almaty, the Heads of the Ministries for emergency situations of the Republic of Kazakhstan and the Kyrgyz Republic signed the Agreement between the Government of the Republic of Kazakhstan and the Government of the Kyrgyz Republic on establishment of the Center for Emergency Situations and Disaster Risk Reduction (hereinafter - Center)







THE CENTER'S MISSION:

THE CENTER AIMS TO:

- ensure an efficient mechanism for disaster risk mitigation;
- reduction of its consequences;
- joint response through activities agreed by the Parties;
- stimulate regional and international cooperation.

STRATEGIC DIRECTIONS OF THE CENTER'S ACTIVITIES:

- Strengthening regional and international cooperation in DRR, emergency prevention and elimination.
- 2. Raising public safety and territories of the countries in the region.
- 3. Consolidation of efforts of all stakeholders and attraction of investments in DRR, prevention of emergency situations.
- 4. Strengthening the preparedness for effective response to emergencies, carrying out rescue and humanitarian operations, reconstruction and rehabilitation.

The Center is open for joining the other countries. At present, the issue of becoming Uzbekistan a state member of the Center is under the active consideration.

STATUS OF THE CENTER (formal and delegated):

- Permanent Interstate body International Organization;
- The Secretariat of the Regional Forum-Meeting of the Heads of Emergency Authorities of Central Asian countries;
- The Regional Resource Center on monitoring and implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030 in Central Asia and South Caucasus region;
- $^{\cdots}$ Affiliated Member of the International Civil Defence Organization (ICDO).



Sendai Framework for Disaster Risk Reduction 2015 - 2030

THE CENTER' FUNDING:

The Center is funded by the contributions of the Parties, donor funds, grants of international organizations, voluntary contributions of individuals and legal entities, as well as other sources that don't contradict the national legislation of the Parties.

STRENGTHENING REGIONAL AND INTERNATIONAL COOPERATION:

The Center has established and is currently engaged in interaction and cooperation at the regional and international level with:

- Emergency authorities and other state agencies of more than 25 states;
- ◆ About 60 donor agencies, international and non-governmental organizations, as well as scientific and educational institutions.

Memorandums (Letters-Agreements) of understanding and cooperation were signed by the Center with **31** international and non-governmental organizations

































THE REGIONAL FORUM – MEETING OF THE HEADS OF EMERGENCY AUTHORITIES OF CENTRAL ASIAN COUNTRIES:

During a series of Regional Ministerial conferences held in Central Asian countries in 2013-2015, a permanent high-level consultative platform in the format of the Regional Forum - Meeting of the Heads of Emergency Authorities of Central Asian Countries was established.

Main functions of the Regional Forum:

- Creation of an **auxiliary mechanism** for strengthening and developing the regional cooperation in DRR, prevention and elimination of emergencies;
- .. Assisting in strengthening the potential for DRR, emergency prevention and response at the regional and national levels;
- ... Capacity building of experts and specialists of Emergency Authorities by exchange of experience, training, workshops, exercises, and other activities;
- Formulation of proposals and recommendations for the consideration and harmonization of analytical and methodological materials, and the use of international terminology.

The Secretariat of the Regional Forum is the Center.

5 MEETINGS OF THE REGIONAL FORUM OF THE HEADS OF EMERGENCY AUTHORITIES OF CA COUNTRIES HAVE BEEN CONDUCTED

Almaty, April 2018



Online, December 2020







Tashkent, November 2021



Dushanbe, October 2022



THE OUTCOME OF THE REGIONAL FORUM – MEETING OF THE HEADS OF EMERGENCY AUTHORITIES OF CENTRAL ASIAN COUNTRIES:



- > Regional Disaster Risk Profile of CA countries is approved.
- Strategy for the development of cooperation of CA countries in DRR for 2022-2030 is approved.
- ➤ Action Plan (Roadmap) for the implementation of the Strategy for the development of cooperation of CA countries in DRR for 2023-2024 is approved.
- Regulation "On the Regional coordination mechanism for emergency response" is approved.
- > Regional Register of forces and means of CA countries is formed for rescue operations on their territory in case of emergencies.

THE OUTCOME OF THE REGIONAL FORUM – MEETING OF THE HEADS OF EMERGENCY AUTHORITIES OF CENTRAL ASIAN COUNTRIES:

- Concept of the use of unmanned aviation to reduce DRR, prevention, and response to emergencies in CA countries is approved.
- Provision on the Regional Early Warning and Mutual Information System for disaster threats and occurrence is approved.
- Protocol on intentions for the integration of earthquake early warning systems is approved.
- Action Plan on introduction of innovative information and communication technologies (GIS, UAVs, mapping) in Central Asian countries for monitoring, forecasting, assessment and analysis of disaster risk for 2023-2024 is approved.



протокол РЕГИОНАЛЬНОГО ФОРУМА -СОВЕЩАНИЯ ГЛАВ ЧРЕЗВЫЧАЙНЫХ ВЕДОМСТВ СТРАН ЦЕНТРАЛЬНОЙ АЗИИ

6 октября 2022 года

г. Душанбе, Республика Таджикистан

Мы, главы делегаций чрезвычайных ведомств Республики Казахстан, Кыргызской Республики, Республики Таджикистан, Туркменистана, Республики Узбекистан - участники Регионального форума - Совещания глав чрезвычайных ведомств стран Центральной Азии,

Признавая, что страны региона в настоящее время сталкиваются с проблемами увеличения негативных последствий стихийных бедствий, аварий и катастроф, повышением уязвимости людей к природным и техногенным угрозам, которые возрастают вследствие появления новых вызовов, включая климатические изменения, бедствия биолого-социального характера,

Учитывая наличие рисков возникновения крупномасштабных и трансграничных чрезвычайных ситуаций, последствия которых не всегда могут быть ликвидированы только силами и средствами одной страны,

Осознавая, что укрепление регионального и международного сотрудничества в области снижения риска бедствий, адаптации к изменению климата, предупреждения и ликвидации чрезвычайных ситуаций будет содействовать устойчивому развитию, повышению благосостояния и укреплению безопасности стран Центральной Азии,

Поддерживая усилия Организации Объединённых Наций и других международных организаций в области снижения риска бедствий, адаптации к изменению климата, оказания международной помощи в случае чрезвычайных ситуаций, исходя из глобальных Целей устойчивого развития до 2030 года, приоритетов и принципов Сендайской рамочной программы по снижению риска бедствий на 2015-2030 гг.,

Поддерживая призыв Генерального секретаря ООН, озвученный во время 7-й сессии Глобальной платформы по снижению риска бедствий (Индонезия, 23-28 мая 2022 года) по обеспечению защиты каждого человека на Земле путем охвата всего населения системами раннего оповещения и взаимного информирования об угрозе возникновения чрезвычайных ситуаций,

Высоко оценивая вклад Европейского Союза (ЕС), Управления ООН по снижению риска бедствий (УСРБ ООН), Глобального фонда по уменьшению опасности бедствий и восстановлению (GFDRR) и Всемирного банка в укрепление регионального сотрудничества стран Центральной Азии,

В целях принятия дальнейших мер по развитию и укреплению регионального и международного сотрудничества, совершенствованию институциональных основ реализации двусторонних и многосторонних межгосударственных соглашений, созданию устойчивых механизмов снижения риска бедствий, адаптации к изменению климата, усиления готовности к реагированию на возможные чрезвычайные ситуации, включая трансграничного характера, созданию систем раннего оповещения и взаимного информирования об угрозе и возникновении чрезвычайных ситуаций, охватывающих множество опасностей с адекватными институциональными, финансовыми и человеческими возможностями,

- в целях эффективного решения задач обеспечения сейсмической безопасности городов и населенных пунктов стран Центральной Азии способствовать сотрудничеству образовательных, научных, проектных, строительных, международных и общественных организаций стран Центральной Азии, обмену опытом на региональном уровне;
- инициативу МЧС Республики Казахстан и ТОО «I2NIK» по привлечению грантов для реализации региональной системы раннего предупреждения при землетрясении и межгосударственного обмена сейсмической информацией в странах Центральной Азии.
- 4. Предложить туркменской стороне рассмотреть возможность проведения очередного Регионального форума - Совещания глав чрезвычайных ведомств стран Центральной Азии в 2023 году в городе Ашхабад, Туркменистан, и проинформировать о принятом решении Секретариат Регионального форума - Совещания глав чрезвычайных ведомств стран Центральной Азии к 20 февраля 2023 года.

Выражаем благодарность и признательность,

Правительству Республики Таджикистан за радушное гостеприимство, организацию и проведение Регионального Форума - Совещания глав чрезвычайных ведомств стран Центральной Азии,

Европейскому Союзу, Управлению ООН по снижению риска бедствий, Глобальному фонду по уменьшению опасности бедствий и восстановлению (GFDRR) и Всемирному Банку за оказываемую техническую и финансовую поддержку мероприятий по укреплению регионального сотрудничества чрезвычайных ведомств стран Центральной Азии в области снижения риска бедствий, адаптации к изменению климата, предупреждения и ликвидации чрезвычайных ситуаций.

За Министерство по чрезвычайным ситуациям Республики Казахстан

За Министерство чрезвычайных ситуаций Кыргызской Республики

За Комитет по чрезвычайным ситуациям и гражданской обороне при Правительстве Республики Таджикистан

За Министерство обороны Туркменистана

За Министерство по чрезвычайным ситуациям Республики Узбекистан







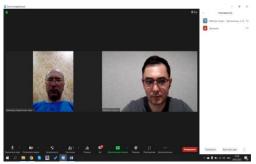


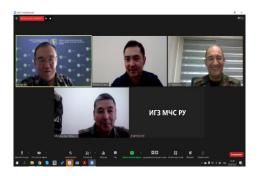


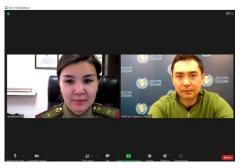
The Center is a Regional Resource Center of Sendai Framework for DRR 2015-2030

- Within the period from 2020 to 2023 21 trainings were held for Sendai national and technical focal points of CA countries on the implementation of Sendai Monitor indicators
- The Center has been carrying out consultative assistance during the preparation of national reports











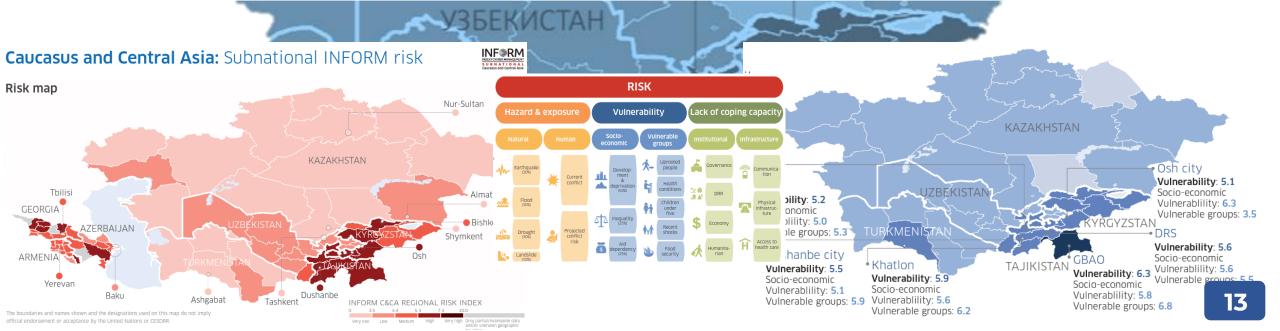
- As a result of the trainings, all Central Asian countries submit national reports in the Sendai Monitor System in a timely manner
- The Center provides logistical support for the development of the National Disaster Loss Accounting System (**DesInventar-Sendai**)



INFORM Index Risk



- The Center jointly with UNDRR annually have been updating the Central Asian Index for Risk Management (INFORM) Model.
- Outcomes of the Subnational INFORM Index are posted annually on the Center's website: www.cesdrr.org



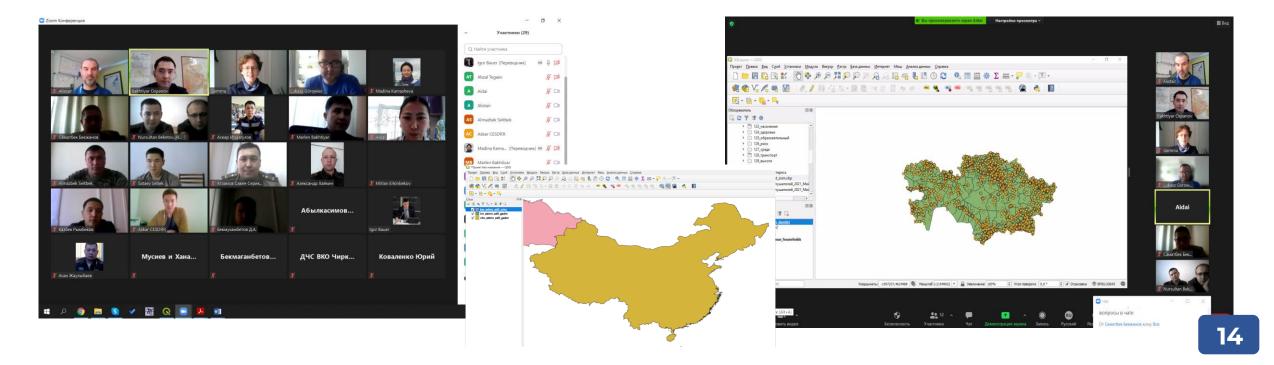






MapAction - Advanced training on the application of GIS technologies and mapping in emergencies for officers of MES RK and MES KR

In the period from 2018 to 2023 **11** trainings were held, more than **260** officers of Ministries for Emergency Situations of Kazakhstan and Kyrgyzstan were trained.



REGIONAL SCIENTIFIC AND TECHNICAL COUNCIL:



- RSTC was formed by the Decision of the Regional Forum with the organizational and technical support of the Center.
- RSTC is a public expert and advisory body of the Regional Forum, formed to facilitate in strengthening regional scientific and technical cooperation between Emergency Authorities of Central Asian Countries, international and non-governmental organizations, scientific and educational institutions in DRR, disaster prevention and response.
- RSTC consists of 3 representatives-experts from each country, delegated by the Emergency Authorities of Central Asian countries.



- ✓ In total **15 meetings** were conducted within the frame of the **World Bank**Program "Strengthening Financial Resilience and Accelerating Risk Reduction in Central Asia", funded by the European Union.
- ✓ Based on the results of the meeting, a protocol is drawn up, the decisions of which are advisory.

REGIONAL REGISTER OF EXPERTS (49 PERS.) IN DRR, CIVIL DEFENSE, DISASTER PREVENTION AND RESPONSE IS:

- Approved by the Decision of the Regional Forum-the Meeting of the Heads of Emergency Authorities of CA countries.
- Formed to involve national and international experts in the implementation of regional scientific and technical projects, conducting expert and analytical researches, developing methodical documents, scientific and technical recommendations on the application of scientific and innovation achievements in DRR

Main tasks of the Regional Register of Experts:

- involvement of leading scientists and specialists in conducting objective and competent expert and analytical researches;
- ordering of statistics, analysis and control of the deliverables of expert and analytical activities of experts of The Regional Register of Experts;
- formulation of suggestions, implementation of measures to improve the effectiveness of expert and analytical activities towards authorized state bodies, international and nongovernmental organizations in the field of civil defense, DRR, disaster prevention and response.

РЕГИОНАЛЬНЫЙ РЕЕСТР ЭКСПЕРТОВ В СФЕРЕ ГРАЖДАНСКОЙ ЗАЩИТЫ/ОБОРОНЫ, СНИЖЕНИЯ РИСКА БЕДСТВИЙ, ПРЕЛУПРЕЖЛЕНИЯ И ЛИКВИЛАПИИ ЧРЕЗВЫЧАЙНЫХ СИТУАПИЙ

Nº	ФОТО	Ф. И. О.	ЗАНИМАЕМАЯ ДОЛЖНОСТЬ	СПЕЦИАЛИЗАЦИЯ ЭКСПЕРТА
1.	600	МНАЦАКАНЯН Сусан Бабкеновна	Региональный эксперт	Эксперт в области управления рисками стихийных бедствий
2.		НАЗАРЕТЯН Сергей Норайрович	Советник директора в Северной службе сейсмической защиты МЧС РА	Эксперт по оценке сейсмической опасности и сейсмического риска, вопросы сейсмической защиты, оценка опасностей оползней
3.		АЙДАРБАЕВ Сагынгалий Жоламанович	Декан факультета международных отношений, профессор кафедры международного права	Эксперт в области международного права
4.		АЛЬМЕНБАЕВ Миржан Маратович	Начальник кафедры пожарной профилактики Академии гражданской защиты им. М.Габдуллина МЧС Республики Казахстан	Эксперт в области пожарной безопасности строительных материалов и конструкций

Extraordinary Summit of the Organization of Turkic States

«It is necessary to unite our efforts in order to prevent natural disasters. The earthquake in Türkiye showed the need for constant preparedness for such threats.



I find it appropriate to establish a Secretariat of Civil Defense of the Organization on the basis of the Center for Emergency Situations and Disaster Risk Reduction in Almaty..."

From 2016 to 2023, the Center, together with the emergency authorities of the countries of the region, international and non-governmental organizations, implemented **more than 30** programs and projects in the field of DRR and ES:



1. UN OCHA "Component for the collection, synthesis and analysis of data on Kazakhstan and Kyrgyzstan related to atmospheric air pollution, climate change, water resources, radioactive contamination of territories, consumer and industrial waste and radioactive waste".

Implementation period: 2016



2. The World Bank «Strengthening disaster risk management in Kyrgyz Republic».

Implementation period: 2016 – 2019



3. UNDP in the Kyrgyz Republic "Strengthening integrated risk governance capacities of the Kyrgyz Republic and regional cooperation in Central Asia".

Implementation period: 2016 – 2021



4. UNDRR and OCHA «Humanitarian Implementation Plan - 2017».

Implementation period: 2017



5. Focus Humanitarian Assistance «Component for improving the methodology for assessing damage, losses, and needs from emergencies in Tajikistan based on the global PDNA methodology».

Implementation period: 2017

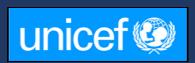


6. UNDP in Kazakhstan «Strengthening Community Resilience to negative external impacts and improving the effectiveness of flood risk management in Almaty Region».

Implementation period: 2017

7. UNDP Regional Office, Istanbul, Turkey «Airports Prepared for Disasters».

Implementation period: 2018-2019



8. UNICEF «Development of unmanned aviation to ensure safety of population and territories, including vulnerable groups from emergencies».

Implementation period: 2018-2019

9. UNICEF «Analysis of existing humanitarian / emergency supplies and assessment of the capacity for timely response by Governments and other partners in the countries of Central Asia».





10. MapAction «Geoinformation systems, mapping and data processing».

Implementation period: 2018-2019



11. **EU/UNDRR** «Strengthening Regional Cooperation and Facilitating the Implementation of the Sendai Framework for DRR in Central Asia».



Implementation period: 2019-2022

12. FAO in the Kyrgyz Republic «Strengthening capacity for disaster risk reduction and preparedness in the agricultural sector».



13. The World Bank «Strengthening Financial Sustainability and Accelerating Disaster Risk Reduction in Central Asia.

Implementation period: 2019-2023





14. UNDRR and UNICEF «Capacity Review of the Center».





15. ESCAP «Research on Assessment of Drought Challenges and Drought Monitoring Models in Central Asia».

Implementation period: 2019-2020



16. UNDRR – component to strengthen the Center's expertise in strengthening regional cooperation,





17. UNICEF «Development of unmanned aviation to ensure the safety of territories and population, including vulnerable groups from disasters», II stage.



18. ADB-EPTISA «Implementation of disaster risk management in the state agencies of Tajikistan. Implementation together with the Asian Disaster Preparedness Center (ADPC)».

Implementation period: 2020-2021



19. UNICEF «Development of unmanned aviation to ensure the safety of population and territories, including vulnerable groups from emergencies», III stage.

Implementation period: 2021



20. ICDO «Capacity building of psychologists of the MES of Kazakhstan». **Implementation period: 2020**

21. ICDO «Training of divers-rescuers of the MES RK».

Implementation period: 2021



22. UNDP «Strengthening capacities for integrated risk management in the Kyrgyz Republic and regional cooperation in Central Asia».



23. ICDO «Strengthening the Capacity of Canine Services of Emergency Authorities of Central Asian countries».

Implementation period: 2022



24. OSCE «Improvement of methods and practices of monitoring, disaster risk assessment using innovative ICT».

Implementation period: 2022



25. MapAction «Application of GIS systems, mapping in emergencies».

Implementation period: 2022



26. FAO «Institutionalization of the methodology of damage and loss assessment for the agricultural sector in Kyrgyzstan».

Implementation period: 2022



27. UNDP «Increase of the level of safety of the population from fires by strengthening the capacity of the fire and rescue service in the Kyrgyz Republic».

Implementation period: 2022



28. UNDRR «Making Cities Resilient».

Implementation period: 2022



29. CESDRR jointly with the international expert «Development of recommendations/suggestions on amendments and additions to the Law of the Republic of Kazakhstan "On Civil Defense».

Implementation period: 2022



30. **UNDP in KR and WFP in KR** «Midterm Review of the implementation of the Sendai Framework for DRR for 2015-2030».

PROJECTS, ARE BEING IMPLEMENTED BY THE CENTER:

2023



31. UNICEF "Increasing the capacity of the emergency, health, education, social protection and internal affairs sectors on the Core Commitments for Children in Emergencies".



32. UNDP in Kazakhstan "Using Nationally Determined Contributions (NDC) to Achieve Zero Emissions and Climate Resilience in Response to the Climate Emergency".

PROJECTS, ARE BEING IMPLEMENTED BY THE CENTER:



33. GIZ «Climate Risk Management»



34. OSCE «Strengthening the capacity of Kazakhstan in adaptation and resilience to climate change and DRR through the creation of interactive maps and digital safety passports of the regions of Kazakhstan»



35. ICDO "Drones in Emergency Management"

36. ICDO «Strengthening the potential of canine services of Emergency Authorities of Central Asian countries»











ICDO - Master training for rescue divers of MES of Kazakhstan



- The Training program was harmonized with international standards
- Training course of the Training Center for rescue divers of MES RK was certified and added to the ICDO Register
- 35 rescue divers of MES RK were trained





















ICDO – Series of Advanced training for canine services of Emergency Authorities of Central Asian countries

2022



- Experienced canine trainers from the Russian Federation were invited
- Cynologists have worked out the technique of using rescue dogs in search and rescue operations on a manmade blockage and in the natural environment





- 77 cynologists from MES of Kazakhstan, MES of Kyrgyzstan, CES of Tajikistan and MES of Uzbekistan were trained
- Upon completion of training, rescue cynologists were awarded international standard certificates



Rescue operations in Türkiye



Of the **12** canine units of the Central Asian countries that participated in the rescue operation in Türkiye, **5** units took part in the advanced training in 2022, which eventually helped save **38** people alive and retrieve the bodies of **682** dead from the rubble.













ICDO – Advanced Training on the use of UAVs for Emergency Management



- The International trainers of ICDO and CESDRR acted as trainers
- 51 drone operators from MES of Kazakhstan, MES of Kyrgyzstan, CoES of Tajikistan and MES of Uzbekistan attended the training
- Within the framework of the training, competitions were held among participants in three disciplines: "Crossing the track with obstacles in the minimum time", "Delivery of a small-sized cargo to the victim" and "Night rescue operation"
- Upon completion of training, drone operators were awarded international standard certificates

UNICEF - The development of unmanned aviation to ensure safety of people and territories, including vulnerable groups from disasters

- The Zonal emergency response units using the UAV's were created in a test mode.
- In 2021 Zonal emergency response units participated in 3 rescue operations and 6 monitoring activities of flood, mudflow and avalanche areas.
- In total, Zonal emergency response units made 192 flights,
 with total duration of 108 hours, were surveyed 138,5 km2







- Series of training were conducted, more than **130** officers of Emergency Authorities of Central Asian countries improved their skills and knowledge in the field of UAVs application in emergencies.
- A unique product has been created in Central Asia the Online School of Unmanned Aviation - is the only remote tool in the region for training specialists in the use of UAVs for civil protection tasks
- At the early stage 5 Regional Emergency Departments had own unmanned aerial vehicles (UAVs), later – 12 Regional Departments.
- Number of UAVs—before 9, currently **24**.

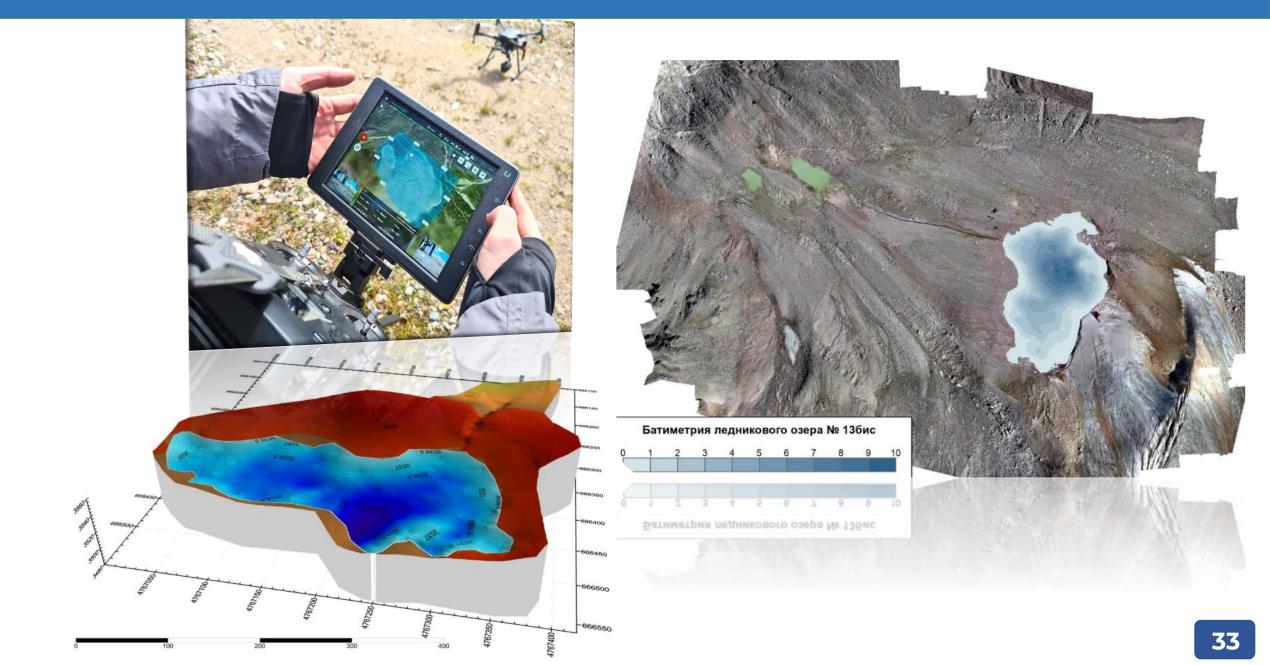




OSCE - Improving the methodology and practice of monitoring, disaster risk assessment using innovative information and communication technologies



3D terrain models, developed within the project













UNDP project: «Creation of a drought response system based on drought monitoring and forecasting».

- Within the project a series of trainings for building stakeholder capacity to practice drought response skills, mitigate drought impacts are conducted and draft documents to strengthen the country's capacity in forecasting and responding to drought are developed.
- The work provides for strengthening the capability of the RSE "Kazhydromet" to improve the
 efficiency of agrometeorological monitoring and forecasting, the new design of the drought
 forecast bulletin, taking into account the needs of the main consumers, will not only provide
 information but also understand and easily interpret for taking appropriate measures.
- In drought response, a coordination mechanism for drought response at the national level and a Drought Response Plan based on a pilot region were developed with the development of standart recommendations for dissemination and use by other regions of Kazakhstan.





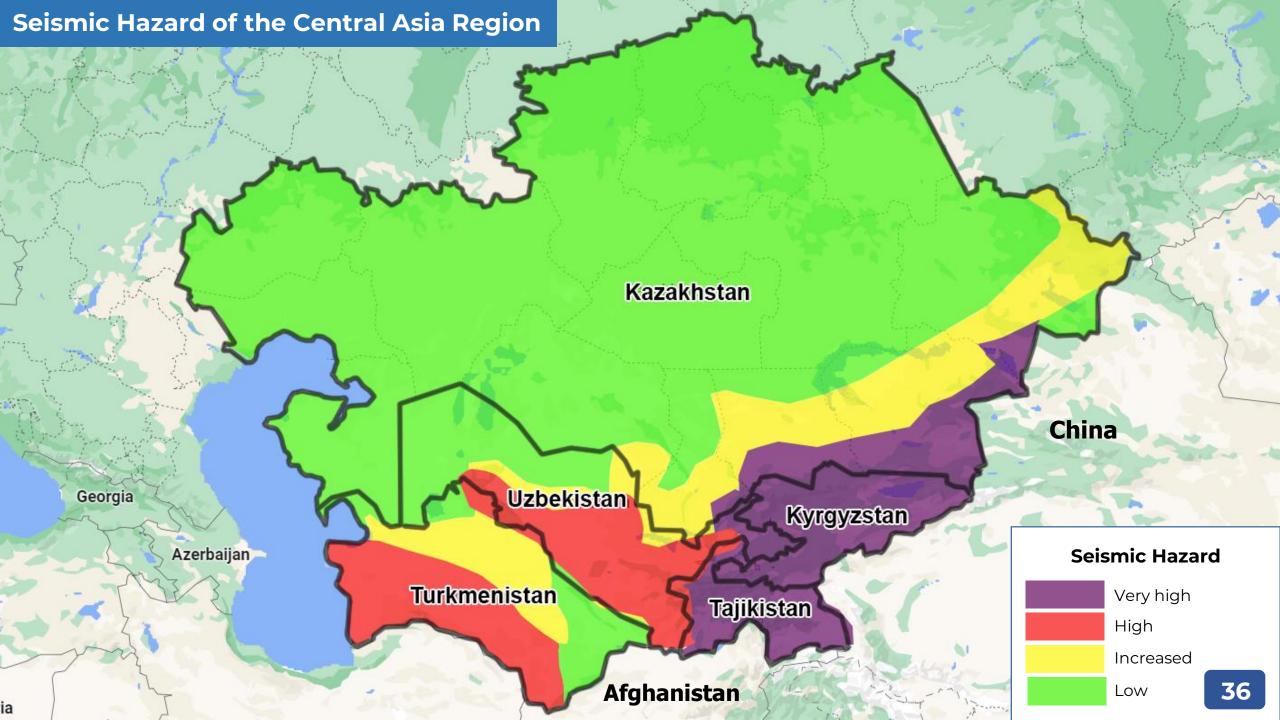








THE CENTER CARRIED OUT THE INTEGRATION OF CREATED IN KAZAKHSTAN AND KYRGYZSTAN EARTHQUAKE EARLY WARNING SYSTEMS



THE CENTER'S PRIORITY ACTIVITIES FOR 2023-2024

- 1. Assistance in further holding the Regional Forum-Meeting of the Head of Emergency Authorities of Central Asian countries.
- 2. Increasing the number of States Parties of the Center based on the expansion of its membership by providing the Center with the status of the Secretariat of the Civil Protection Mechanism of the Organization of Turkic States.
- 3. Planning and implementation of practical measures to achieve harmonization of national legislation of States Parties in the field of civil defense in order to bring them into line with generally recognized legal norms and principles of international law.
- 4. Capacity building of experts and specialists of States Parties by conducting special exercises, trainings and other relevant activities.
- 5. Improvement of the life safety for the population of States Parties from natural and man-made disasters using innovative information and communication technologies (UAVs, GIS systems, Remote Sensing etc.)
- 6. Attraction of investments of international and non-governmental organizations (donors) to develop and implement joint international projects and initiatives in DRR.
- 7. Creation of a Regional system of early warning and mutual notification of transboundary disaster risks.
- 8. Creation on the basis of the Center of the Regional Coordination Center for disaster response in the Central Asian countries

Thank you for attention!

