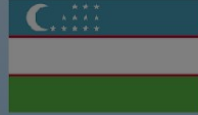




Funded by the  
European Union



# HIGH-LEVEL DIALOGUE ON CLIMATE CHANGE AND RESILIENCE IN CENTRAL ASIA EARLY WARNING SYSTEM FOR CLIMATE RESILIENCE **Piloting a Community-Based EWS in the Ferghana Valley**



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## Climate Change and Resilience in Central Asia



- **Objective:** to support stability and climate resilient development in the Ferghana Valley, a trans-border area of the Kyrgyz Republic, the Republic of Tajikistan and the Republic of Uzbekistan
- **Beneficiaries:** Governments, decision-makers at national and regional levels, experts, CSO representatives, local communities, and academia.
- **Duration:** April 2021- December 2024

# World Risk Index 2023 for CA

	Rank	World Risk Index	Exposure	Vulnerability	Sensitivity	Lack of Coping Capacities	Lack of Adaptive Capacities
Kazakhstan	150	2.1	0,2	18,4	15,1	10,1	40,9
Kyrgyzstan	142	2.45	0.2	26.5	33.5	11.0	50.2
Tajikistan	140	2.47	0.2	26.5	34.5	11.6	46.6
Turkmenistan	169	1.33	0.17	10.4	9.07	3.0	41.7
Uzbekistan	163	1.5	0,18	12.8	10.2	10.9	18.8
<b>World median</b>		<b>4.13</b>	<b>1.05</b>	<b>20.2</b>	<b>14.9</b>	<b>11.8</b>	<b>45.9</b>

- Easily accessible and understandable EWS for people of different backgrounds
- Development of georeferenced social registries
- Identification of communities/ people most at risk
- Development of prioritization strategies for evacuation and other assistance

# Enhanced knowledge base & capacities to assess climate-driven resilience risks



## Target for 2023

- 50 people became more resilient to climate-related risks

### Policy gap analysis

Analyzed  
30 legislative docs

Gender analysis

Climate risks &  
vulnerability  
assessment

### Capacity building

Article Contest on  
Water-Energy-Food-Health  
NEXUS

209 applications  
64 universities

4 webinars & eco  
campaign





# Promote regional cooperation & dialogue on climate change and resilience building

Total 26 events – 1134 people (335 women; 799 men)

## Target for 2022

- Climate change dialogue established; relevant national counterparts assigned & meeting regularly



Regional Climate Dialogue  
5 CA states, Uzbekistan



2 Side-Events at International  
Conference on Water, Tajikistan

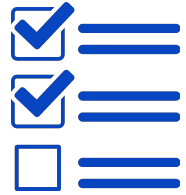


Regional Training on Climate  
Risk Management & Climate  
Resilience Uzbekistan

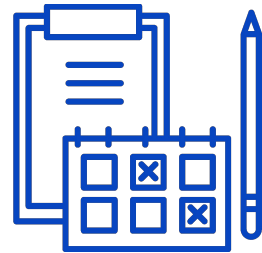


Stakeholder Consultation  
Meetings in Each Country

# Enhanced early warning and prevention measures



Participatory adaptation  
and resilience planning



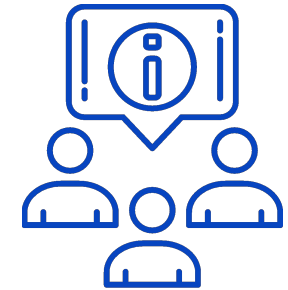
Implementing  
CBEW & last mile  
communication



Implementing  
adaptation & risk  
reduction measures



Distributing information  
& awareness materials



*Preparedness and  
response plans for  
pilot communities*

*CBEWS and  
adaptations project  
demonstrated*

At least 6  
communities

Publications &  
video materials

# Integration of climate resilience into water policies and river basin planning

River Basins	Climate risks
Padshata	Flood, Drought
Shakhimardan	
Mailisay	Flood, Water shortage, Water contamination/epidemiologic problems
Isfara	Water shortage, DRR and water quality
Khojabakirghan	
Isfana	
Ak Bura	DRR, WSh, water quality
Aravansai	

1. Long- & short-term planning for all basins, large water systems
2. Agreement or convention on transboundary water systems, rivers with mechanisms for water allocation/sharing

1. Introduction of water rights & market tools in water sector
2. Public information, education & stakeholder participation

1. Digitalization of the planning, management & distribution of water resources
2. Management of water resources within basins, reducing administrative interventions into the water planning, distribution



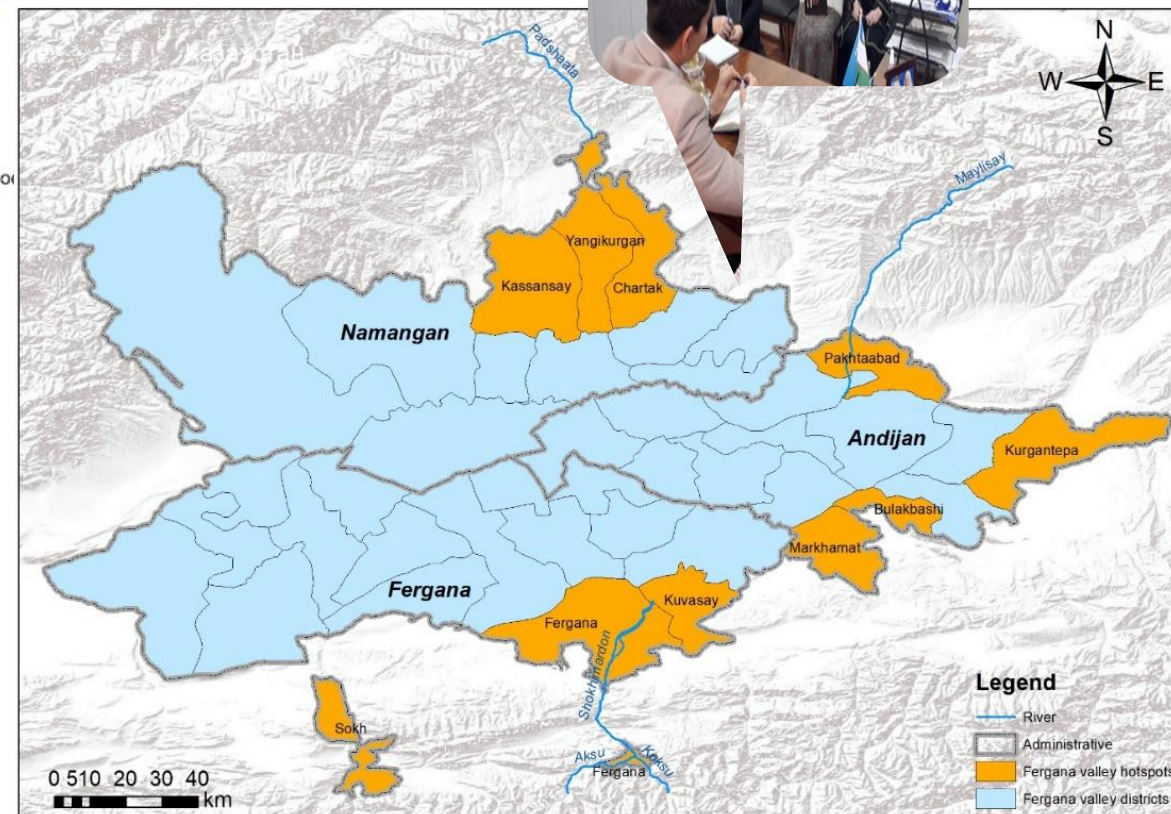
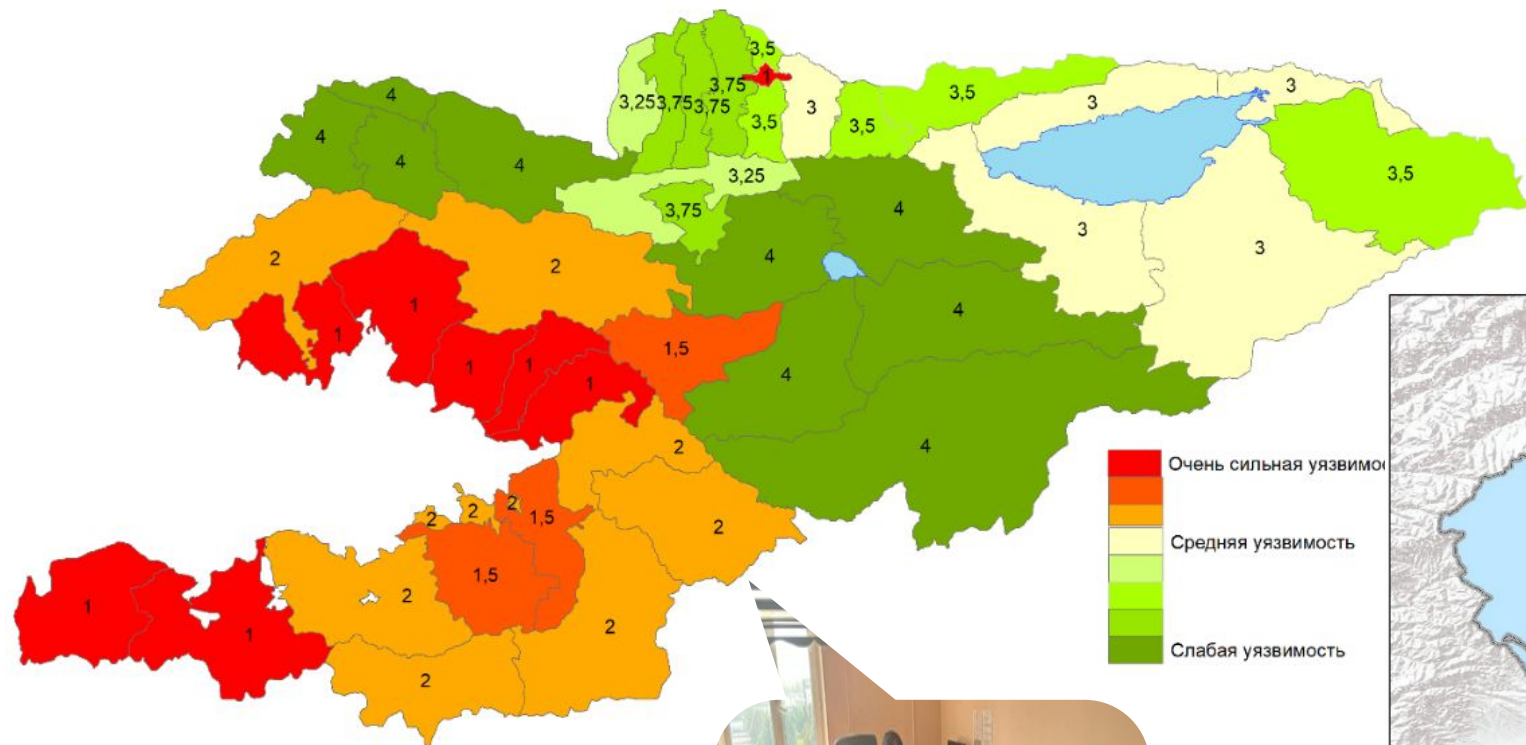
# Policy recommendations in water sector

- ✓ Introduce **stronger water rights and water distribution principles** within regional and national legal documents.
- ✓ Focus on preventing of major water risk under climate change in Ferghana Valley - emergence of **higher demand and reduced water availability** which will lead to the **regular water shortages**.
- ✓ Introduce **regular, long-term planning of water resources** for basins, sub-basins under different climate scenarios would be most important tool to reduce impact of the climate change.
- ✓ Prepare **regularly updated local action plans** that are produced for each sensitive basins, sub-basins in Ferghana Valley to cope with climate change risks in local areas.
- ✓ Improve quality and density of **climate and water monitoring systems** in the crucial, transboundary systems.
- ✓ **Build up information openness and digital means** as tools for major analysis, communication on climate related risk in the water sector.





# Climate risks and vulnerability assessment



- Participatory assessment
- Survey & FGDs



	Early Warning	Agri-/water adaptation	Targeted financing	District planning	Conflict prevention
<b>KYRGYZ REPUBLIC</b>					
1 Ala-Buka district	●	●	●	●	
2 Aksy district	●	●	●	●	
3 Nookan district	●	●	●	●	
4 Bazar-Korgon district	●	●	●	●	
5 Suzak district	●	●	●	●	
6 Leylek district	●	●	●	●	●
7 Batken district	●	●	●	●	●
<b>TAJKISTAN</b>					
8 Isfara district	●	●	●	●	●
9 Gafurov district			●	●	●
10 Asht district	●	●	●	●	●
<b>UZBEKISTAN</b>					
11 Kassansay district	●	●			●
12 Yangikurgan district	●	●			●
13 Chartak district	●	●			●
14 Pakhtaabad district	●				●
15 Kurgantepa district	●				●
16 Bulakbashi district	●				●
17 Markhamat district	●				●
18 Kuvasay district	●	●			●
19 Ferghana district	●	●			●
20 Sokh district	●	●			●

- First-level priority identified through assessments and stakeholder consultations
- Second-level priority and / or added from contextual analysis





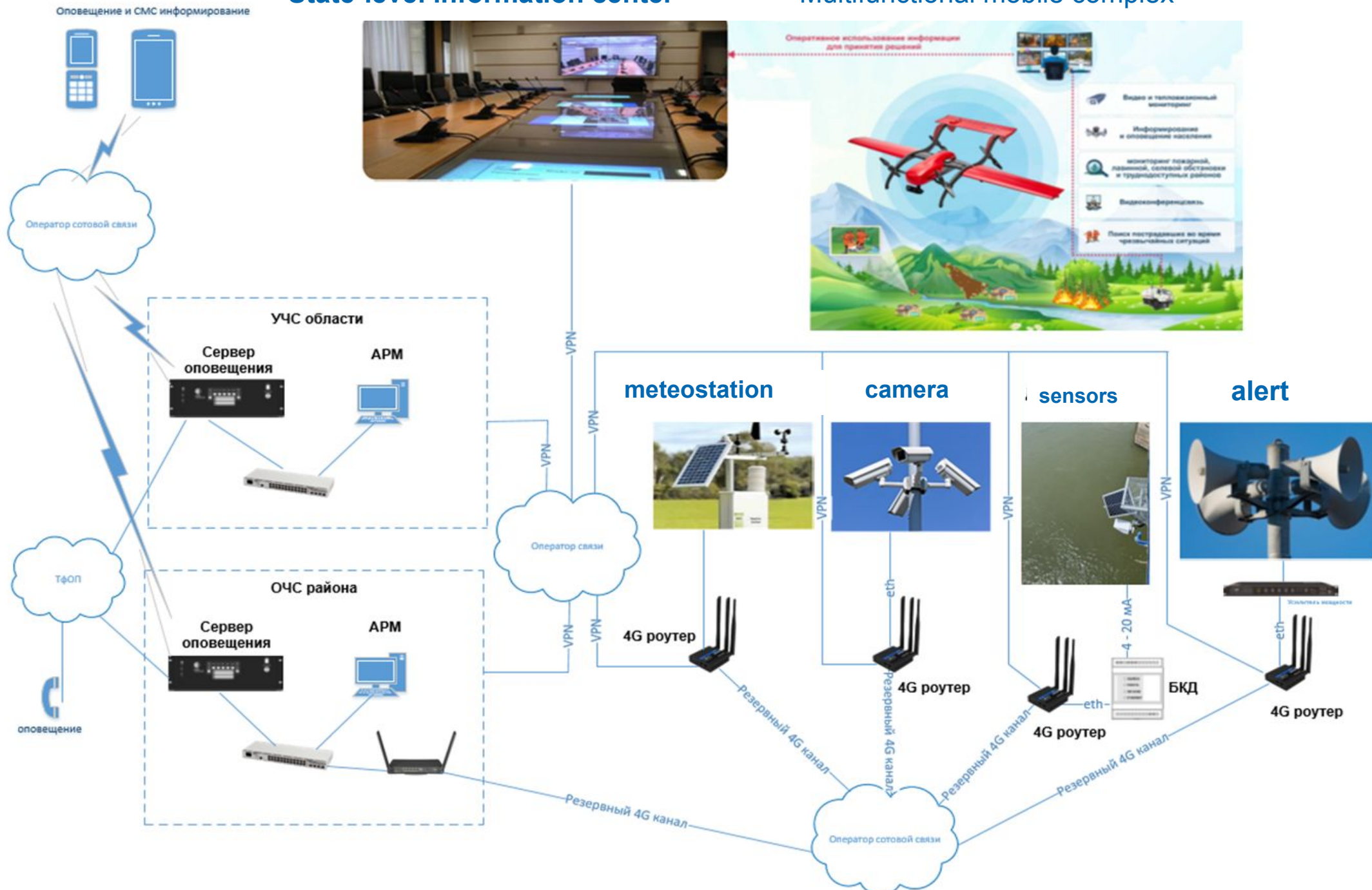
# Identified pilot communities/climate hot-spots

	Province (7)	District (12)	Community (13)
<b>KGR</b>	Osh	Nookat	<b>Dzhany Nookat</b>
	Jalal-Abad	Suzak	<b>Barpyn</b>
	Batkent	Kadamjay	<b>Orozbek</b>
<b>TJK</b>		Asht	<b>Asht</b>
	Sughd	Ifara	<b>Lakkon</b>
		B.Gafurov	<b>Chasmasor, Ismoil</b>
<b>UZB</b>	Andijan	Pakhtobod	<b>Hayrobod</b>
		Marhamat	<b>Yangi Hayot</b>
	Namangan	Yangikurgan	<b>Tinchlik</b>
		Kasansay	<b>Bulokboshi</b>
	Ferghana	Kuva	<b>Dustlik</b>
		Sokh	<b>Navorot</b>



# State-level information center

# Multifunctional mobile complex





# Community Early Warning Systems in the Ferghana Valley

