

# RISK AND RESILIENCE PORTAL

An Initiative of the Asia Pacific Disaster Resilience Network



ESCAP 75 MOVING FORWARD TOGETHER | DECADE OF ACTION

RISK AND RESILIENCE PORTAL  
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HOME HAZARD HOTSPOTS ECONOMIC IMPACT ADAPTATION COST & PRIORITIES DECISION SUPPORT SYSTEM ANALYSIS KNOWLEDGE PRODUCTS

## Asia Pacific Risk & Resilience Portal

Bridging the science policy gap for informed action

Data Explorer

700+ Datasets  
100+ Policy documents

Home

Bridging the science policy gap **for informed action**

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ICT and Disaster Risk  
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1

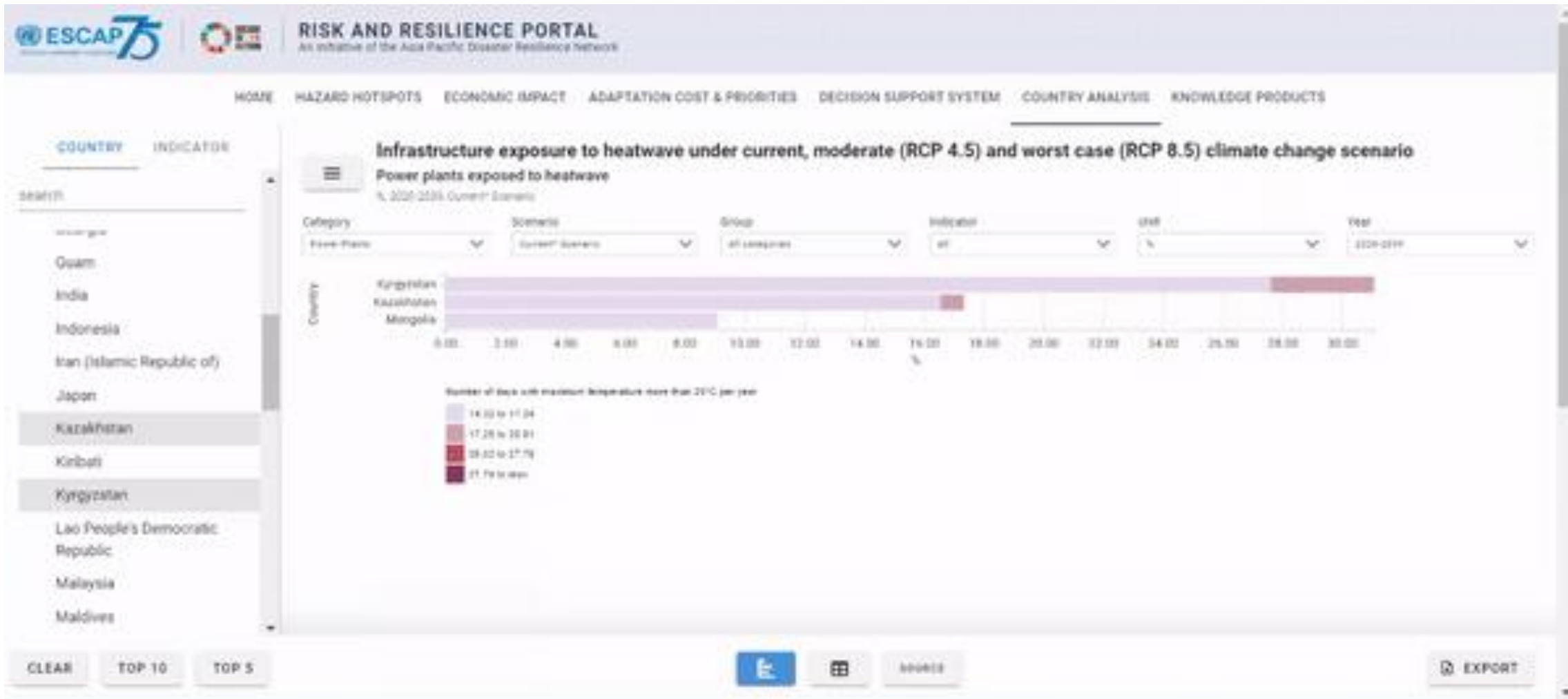
Where are the risk hotspots of transport and energy infrastructure that are exposed to climate related hazards under various climate change scenarios?



GIS mapping shows where the most vulnerable populations and the transport and energy infrastructure is located under **multiple hazard risks under climate change**

2

How much of the sector infrastructure is exposed in these climate change scenarios?



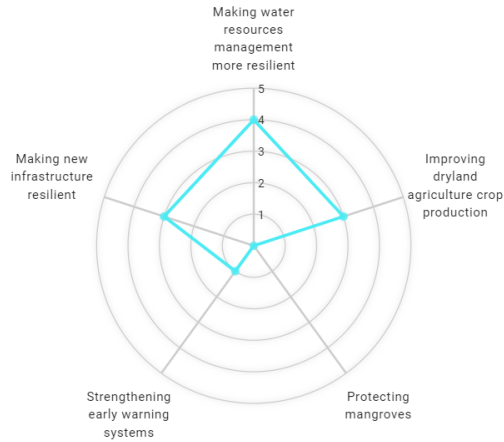
Using exposure mapping to climate change the portal gives information on the percentage of vulnerable infrastructure in each country under different scenarios

# How important is it to make infrastructure resilient AND how much will it cost countries to build resilient infrastructure under the worst case climate change scenarios?

## Climate Adaptation

	Priority score / 5	Million USD	% GDP
Making water resources management more resilient	4	23.3	0.3
Improving dryland agriculture crop production	3	17.5	0.2
Protecting mangroves	0	5.8	0.1
Strengthening early warning systems	1	5.8	0.1
Making new infrastructure resilient	3	17.5	0.2

## Climate Adaptation Priorities

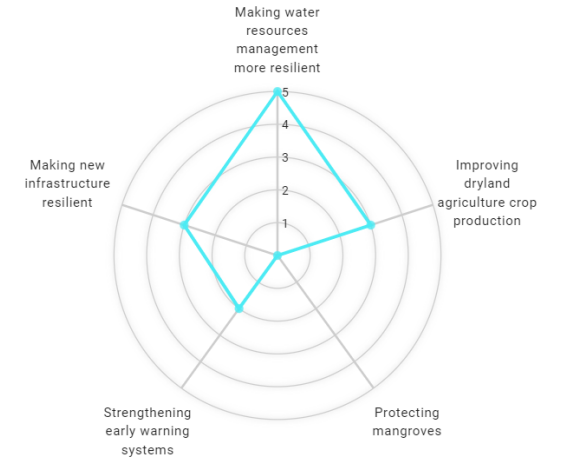


## Kyrgyzstan

## Climate Adaptation

	Priority score / 5	Million USD	% GDP
Making water resources management more resilient	5	38.4	0.3
Improving dryland agriculture crop production	3	23.0	0.2
Protecting mangroves	0	7.7	0.1
Strengthening early warning systems	2	15.3	0.1
Making new infrastructure resilient	3	23.0	0.2

## Climate Adaptation Priorities

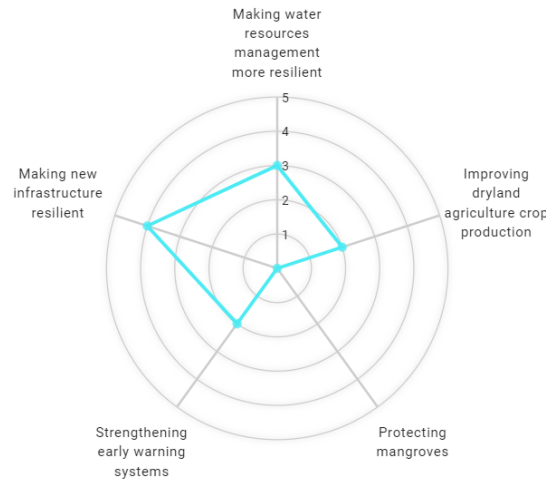


## Mongolia

## Climate Adaptation

	Priority score / 5	Million USD	% GDP
Making water resources management more resilient	3	166.3	0.1
Improving dryland agriculture crop production	2	110.9	0.1
Protecting mangroves	0	55.4	0.0
Strengthening early warning systems	2	110.9	0.1
Making new infrastructure resilient	4	221.8	0.1

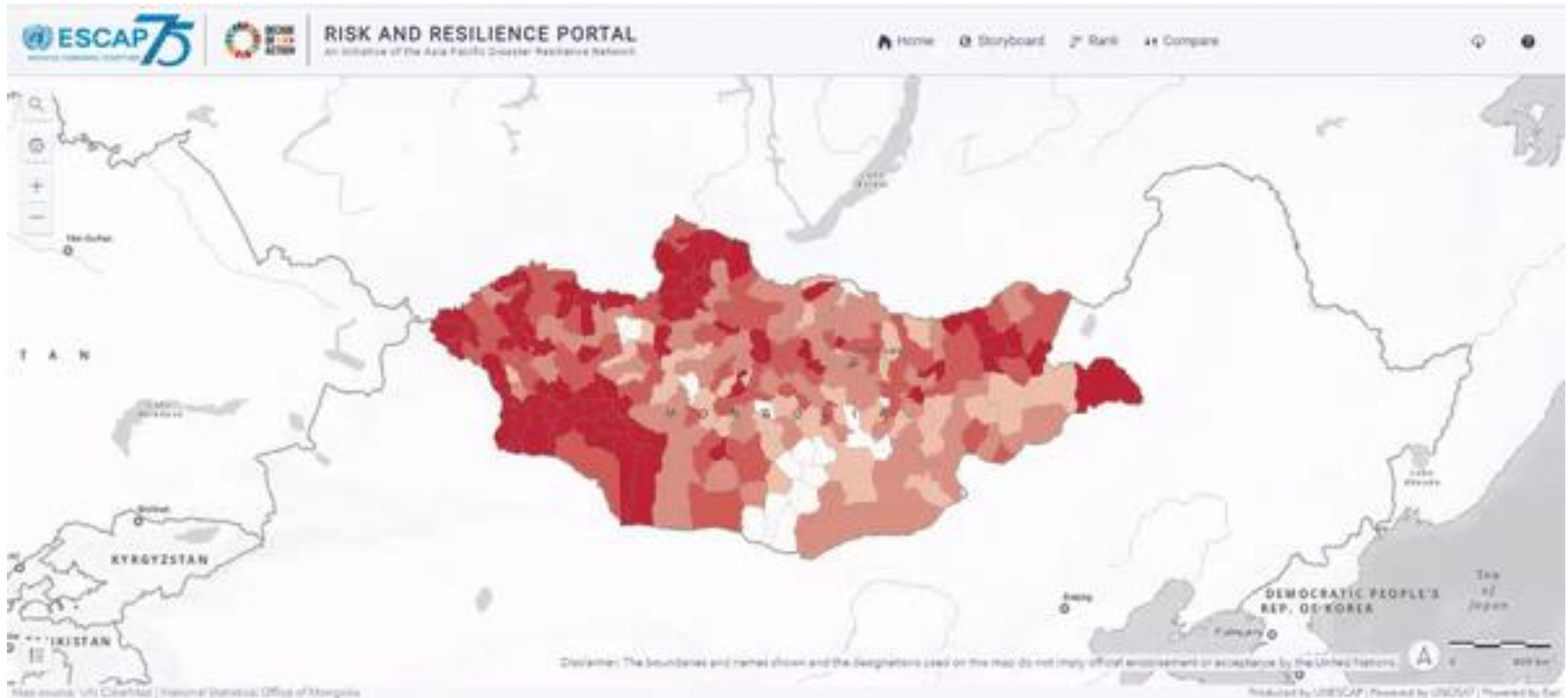
## Climate Adaptation Priorities



## Kazakhstan

**Estimation of adaptation costs** under climate change and **customized set of adaptation priorities** for all countries in the Asia Pacific

# Mongolia Subnational Level Risk and Resilience



Targeted policy action at **local level**

# Thank you



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## Development Team

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