



POTSDAM INSTITUTE FOR  
CLIMATE IMPACT RESEARCH

# Introduction to the ClimateImpactsOnline

<http://climateimpactsonline.com/>

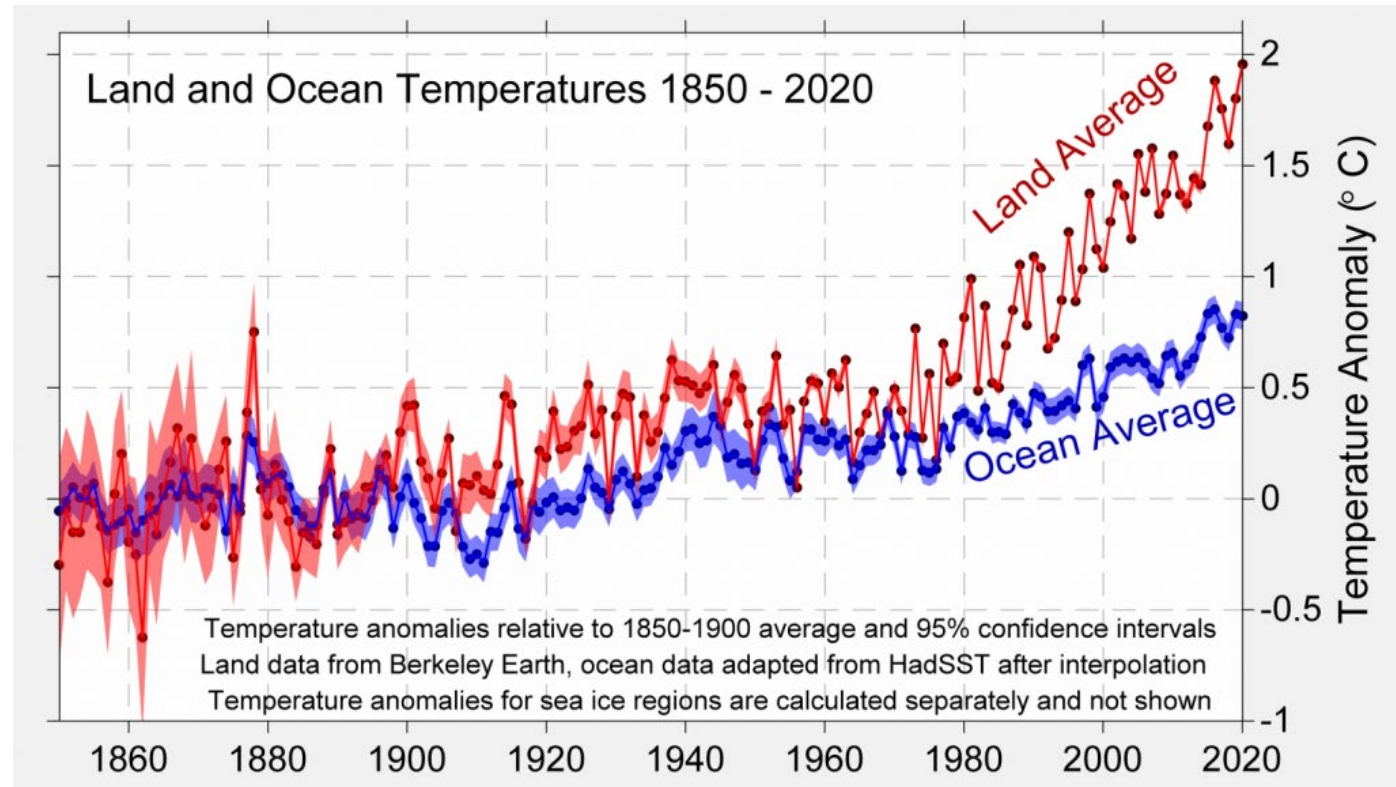
Paula Romanovska



# Climate Change is happening

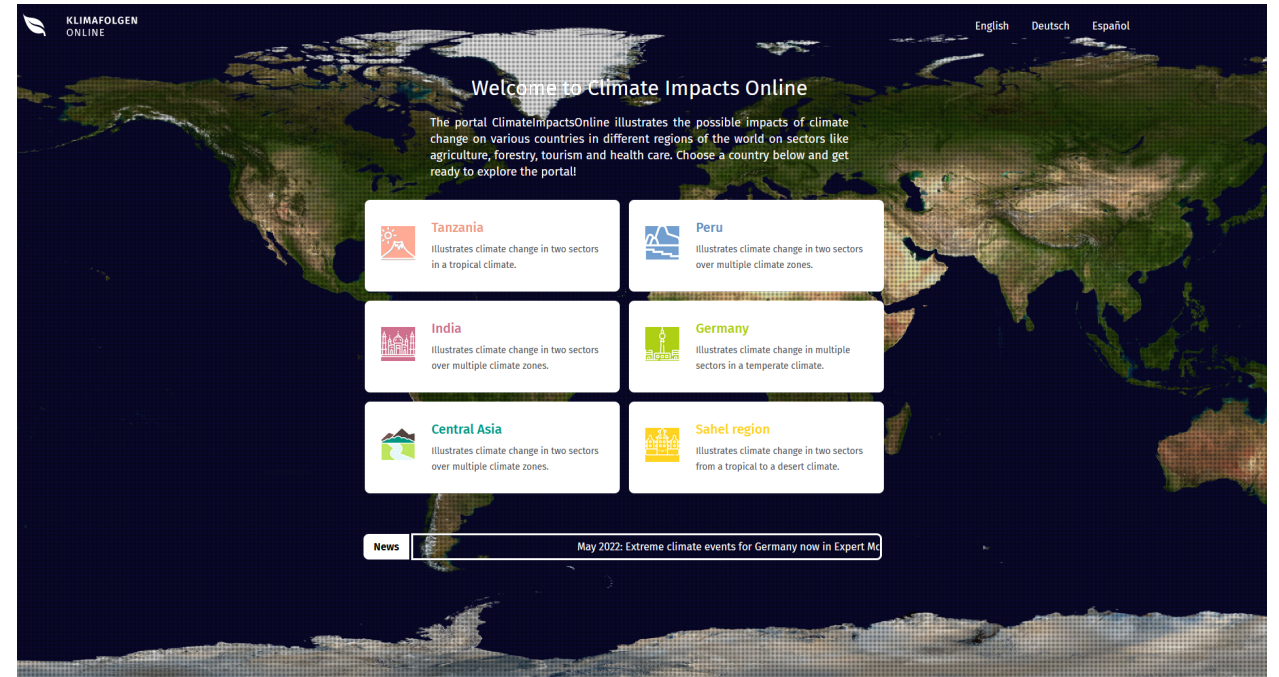
And global warming is much faster in Central Asia than global average. Impacts can already be seen now and will be stronger in the future.

→ Adaptation needs to happen now!



# ClimateImpactsOnline

The portal illustrates the possible impacts of climate change on various countries in different regions of the world on sectors like agriculture, forestry, tourism and health care.



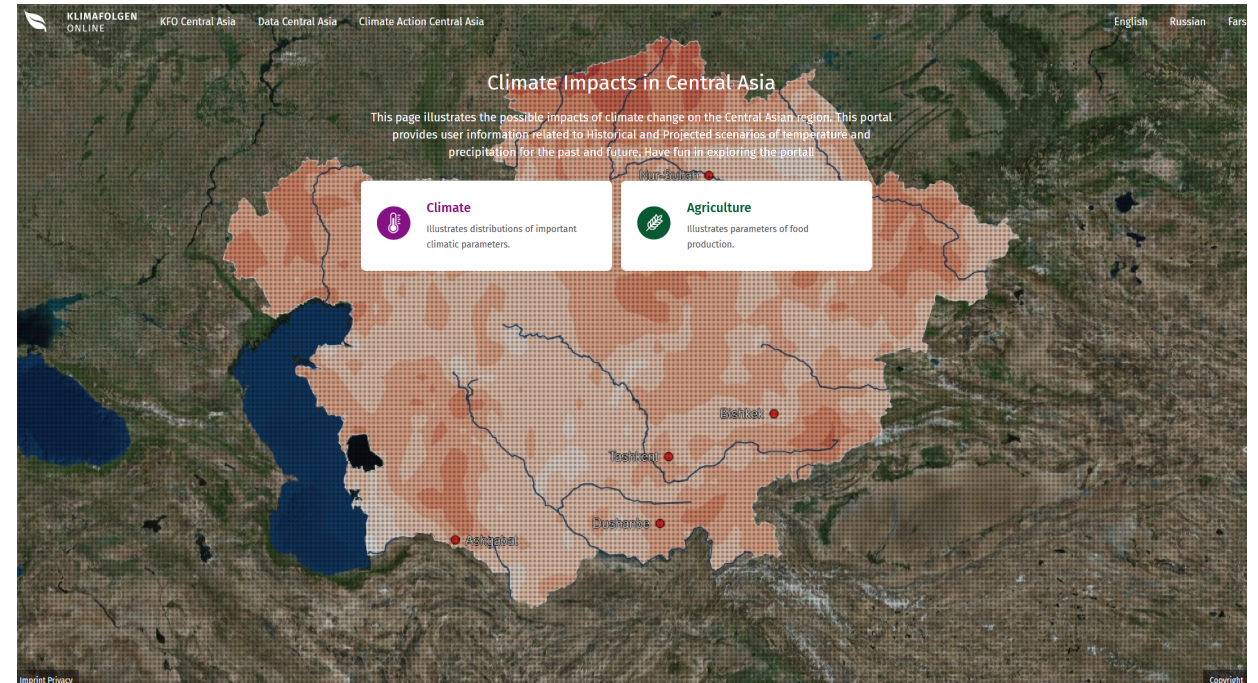
# ClimateImpactsOnline Central Asia

## Covers five countries:

Kazakhstan, Uzbekistan,  
Tajikistan, Kyrgyzstan and  
Turkmenistan

## Two main sectors:

Climate and Agriculture



+

**Water and Energy**

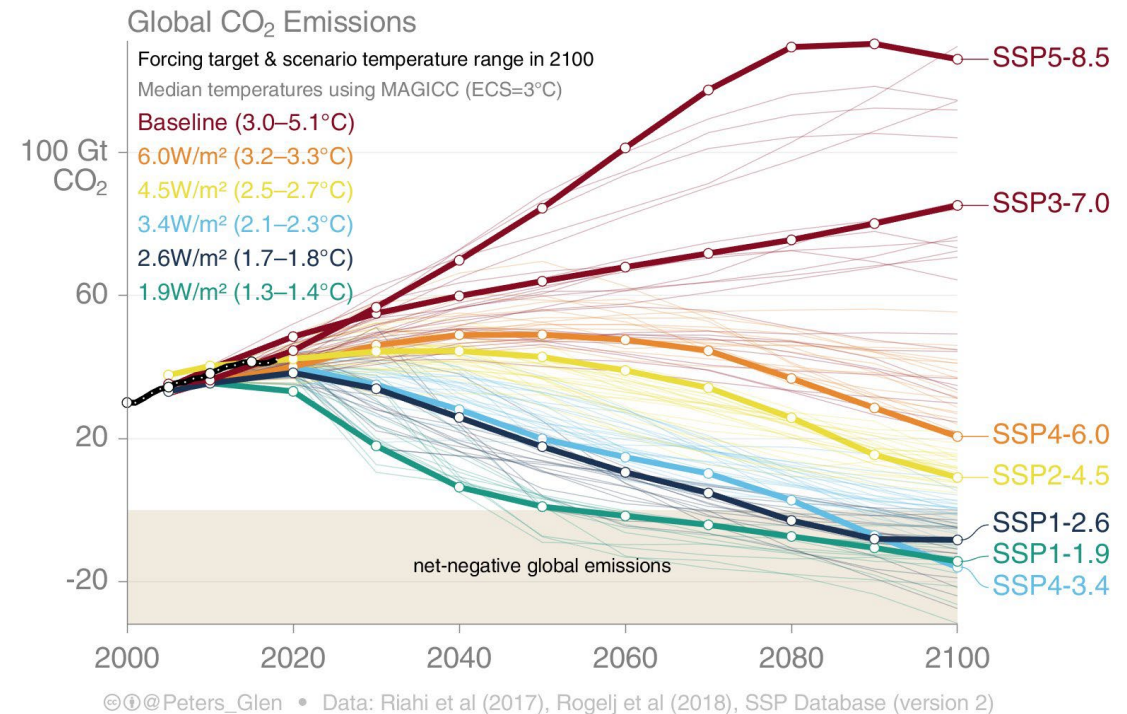
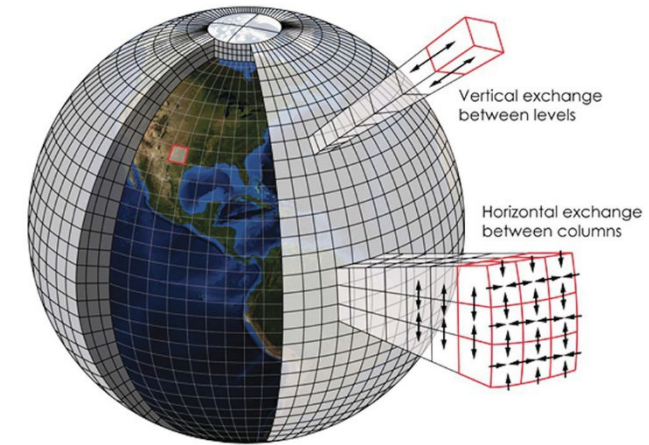
will be added soon



# Background data

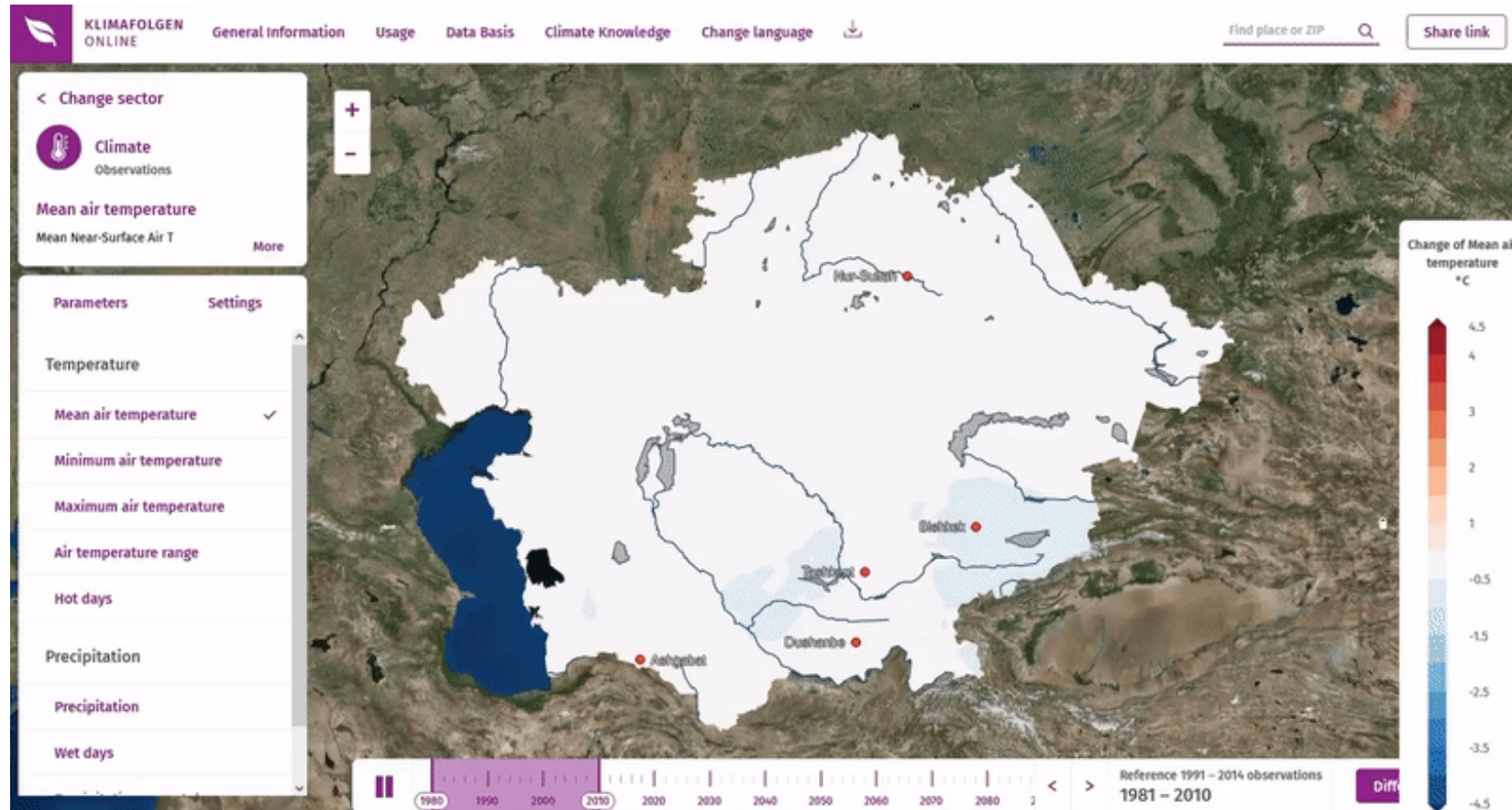
Results are based on ISIMIP3 data. These include state of the art climate projections from 10 CMIP6 models for 3 different emissions scenarios.

Numerous different parameters



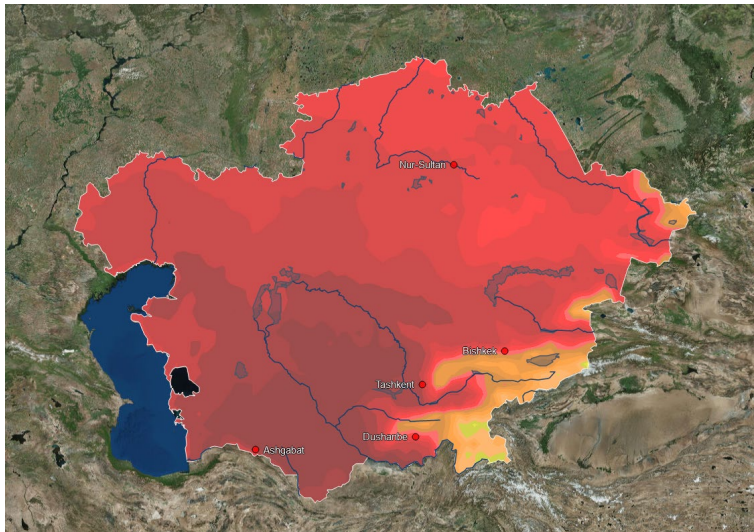
So how it looks like?

# Interactive maps

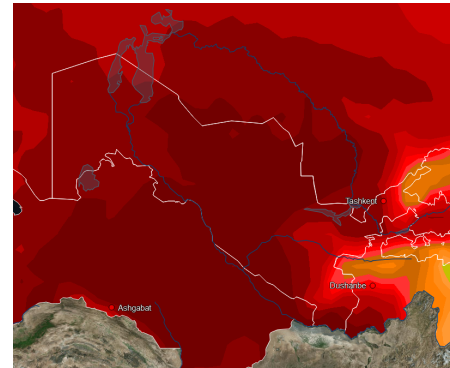


# Three level of disaggregation

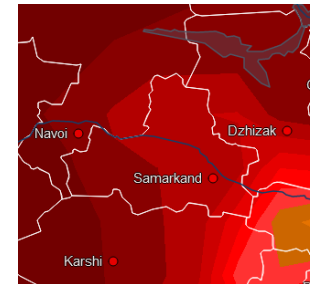
Central Asia



Countries



Regions





# Interactive maps



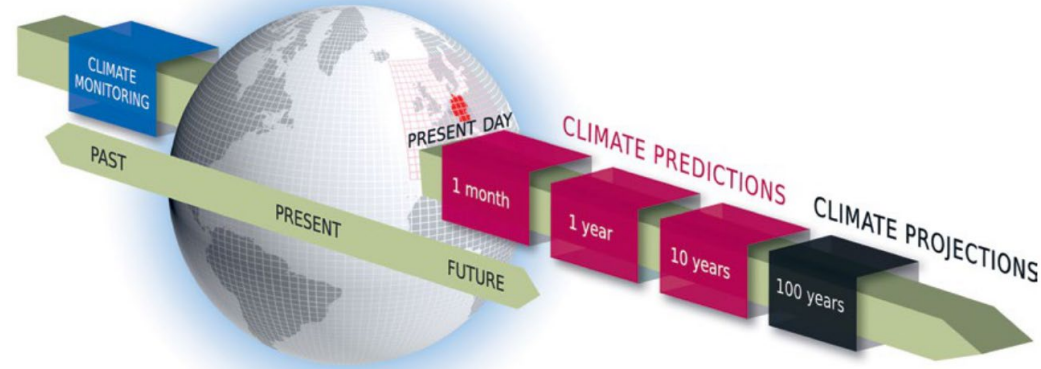
# Time period

## Time slices

10 years / 30 years

## Full time period

1980 - 2100



## Seasons

- Whole year
- Winter
- Spring
- Summer
- Autumn

# Main parameters

## **Climate:**

Mean Temperature

Max Temperature

Min Temperature

Maximum Daily Near-Surface Air T Range

Precipitation

Number of hot days

Number of wet days

## **Agriculture:**

Consecutive dry days index per year

Humidity

Solar radiation

**+ Water**

**+ Energy**

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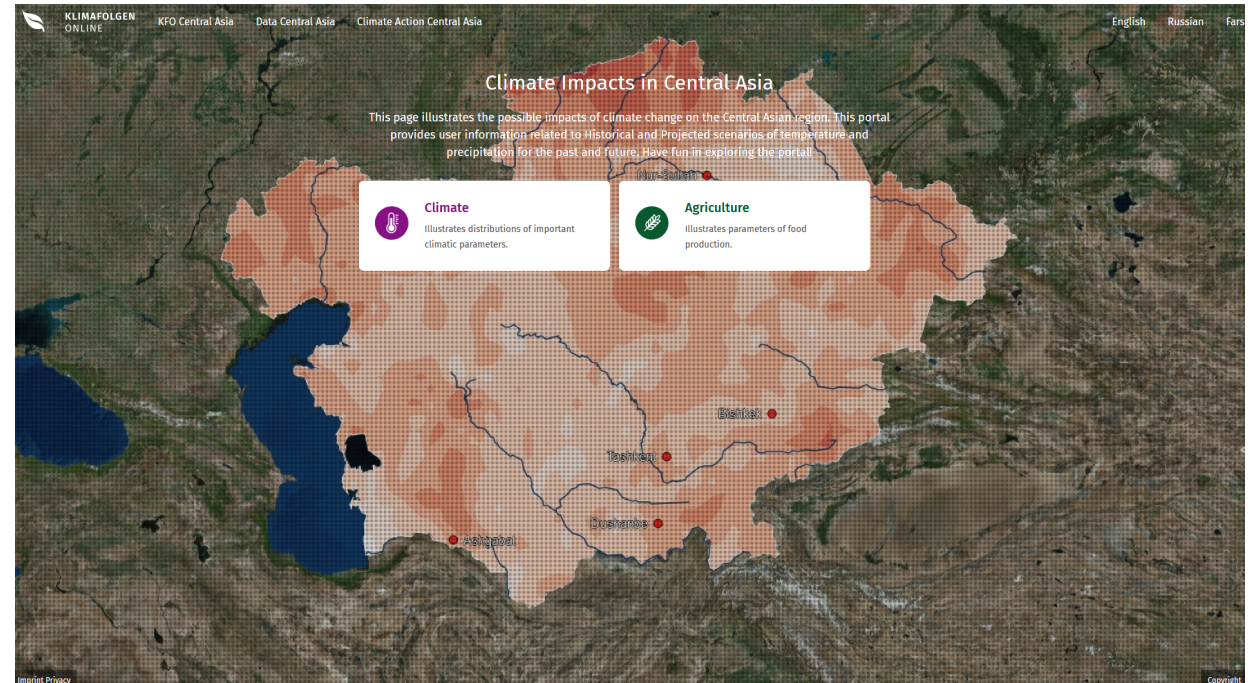
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# ClimateImpactsOnline Central Asia

Will also cover climate  
change impacts soon.



+  
**Water and Energy**  
will be added soon



# THANK YOU!

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