



**KARAKALPAK
STATE
UNIVERSITY**
NAMED AFTER BERDAKH



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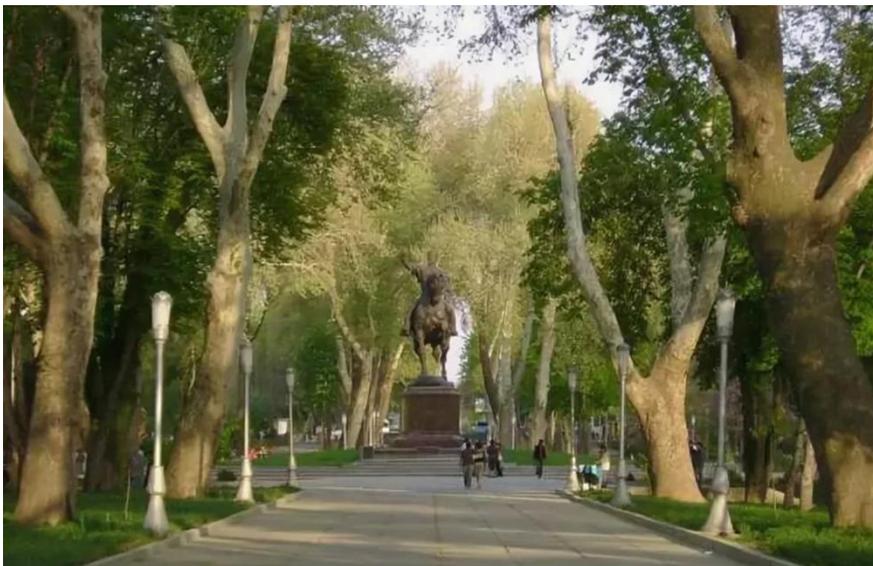
SVENSKA ARALSJÖSÄLLSKAPET

Swedish Aral Sea Society



Sustainable cities

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(Karakalpak State University)



Soviet time joke

Question: Who are those people in line to the bus hurrying up to the workplaces early in the morning?

Answer: Their Majesty working people

Question: And who are those who drive state-owned cars to work late morning?

Answer: And these are the servants of Their Majesties - officials.



The Sustainability Compass

- **N = Nature**
Environment, resources, ecosystems, climate
- **E = Economy**
Production, consumption, jobs, investment, money
- **S = Society**
Government, culture, institutions social concerns
- **W = Wellbeing**
Individual health, families, self-development, quality of life

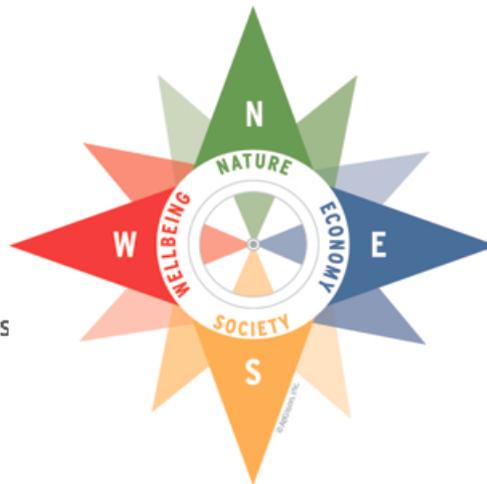


Fig. 7.2 The Sustainability Compass.
Source:
<https://compassu.wordpress.com/introduction/>.

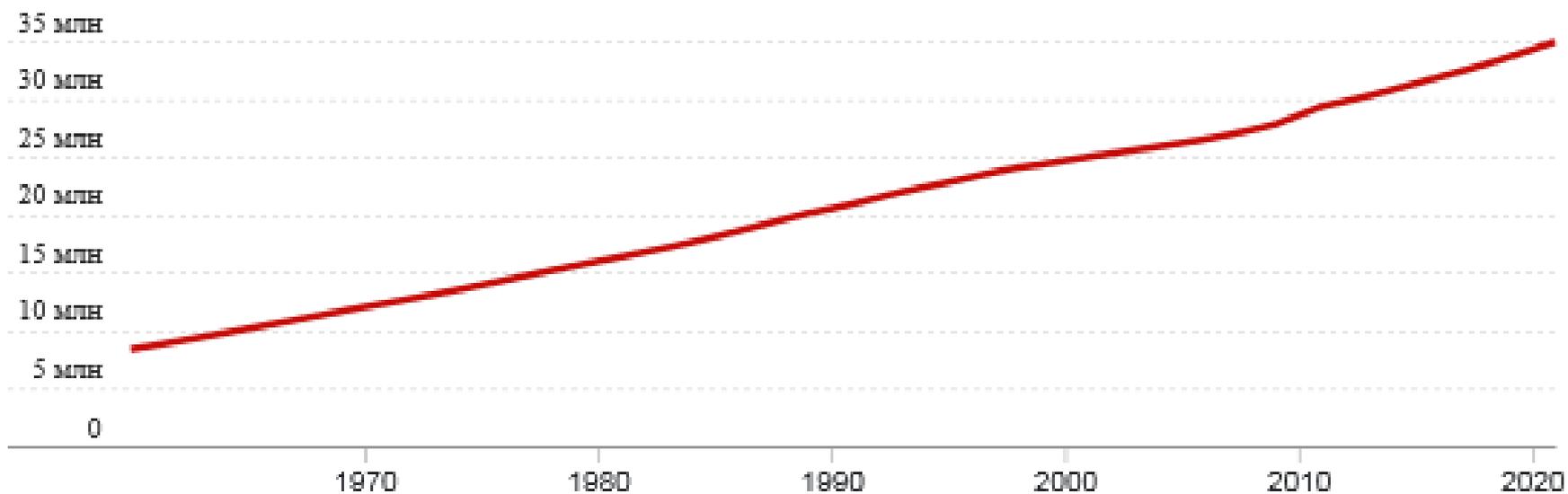




Urbanisation in Uzbekistan

- The urban process in Uzbekistan forces to consider two long-term aspects of development: the growth of the population, and, increasing deficiency of water and land resources. Some researchers estimate the population of Uzbekistan even to be 50 million by 2050.

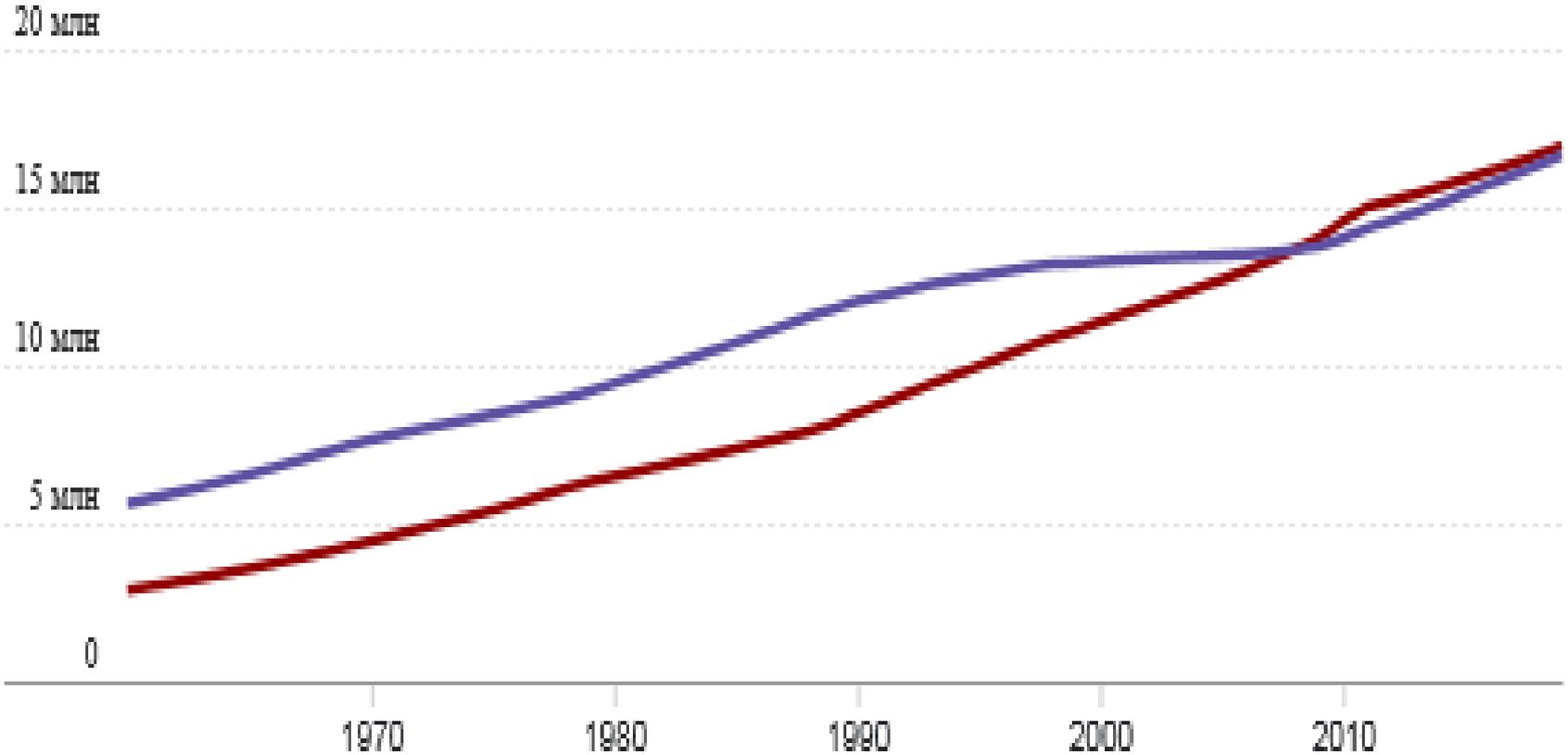
Population growth of Uzbekistan



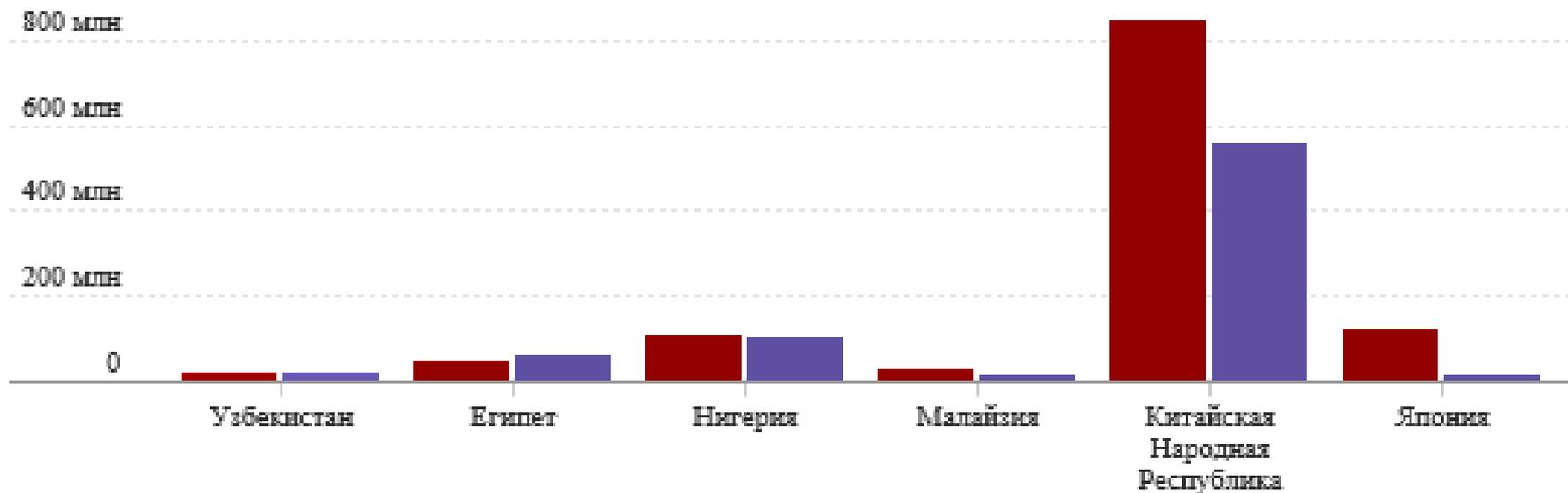
Population growth in CA countries

countries	1950	2020	Population growth ... times
Tadjikistan	1531,5	9537,6	6,2
Uzbekistan	6264,1	33469,2	5,3
Turkenistan	1211,0	6031,2	5,0
Kirgizstan	1740,0	6524,2	3,7
Kazakhstan	6703,0	18776,7	2,8

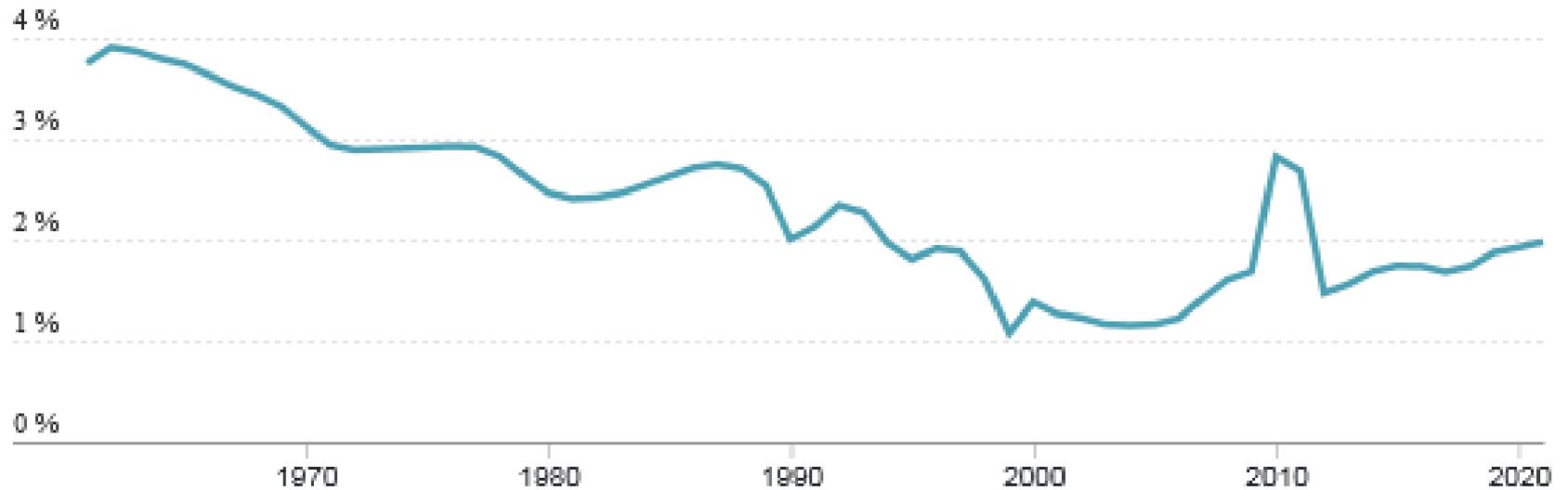
City & rural population growth in Uzb



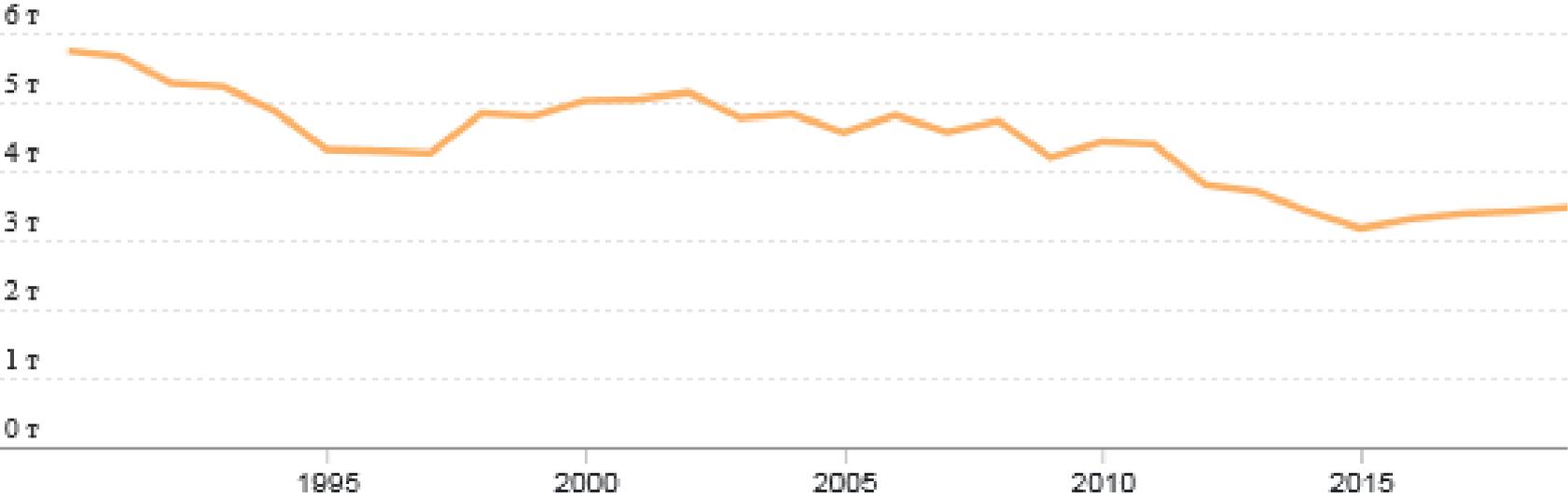
City & rural population of other countries



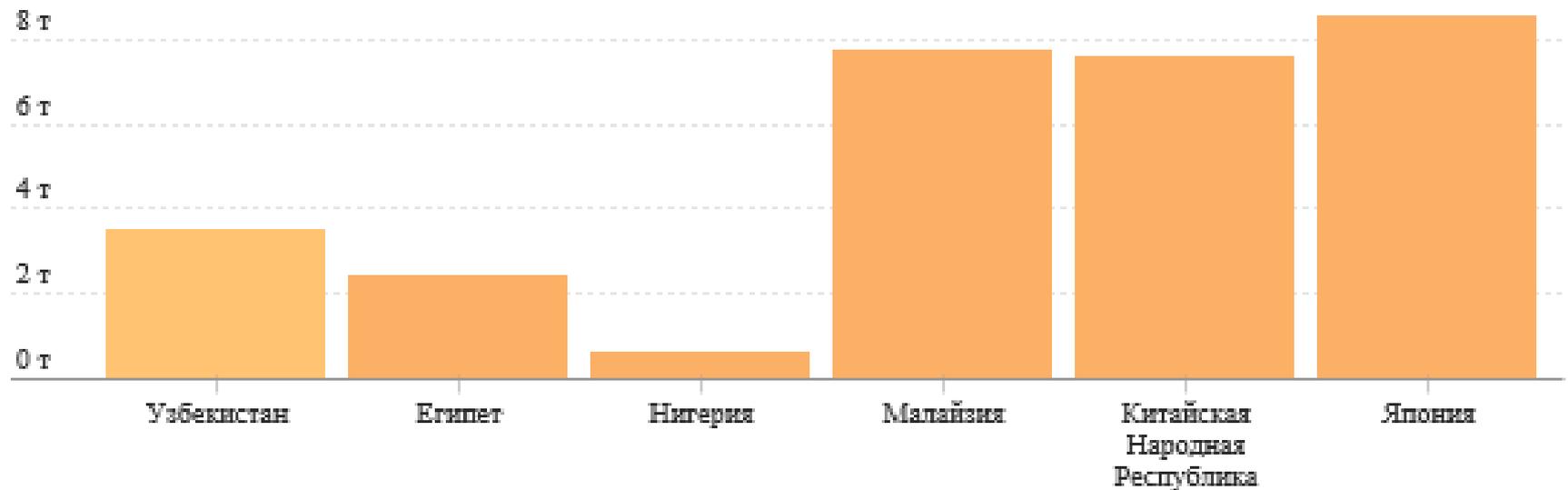
Population growth rate in Uzbekistan



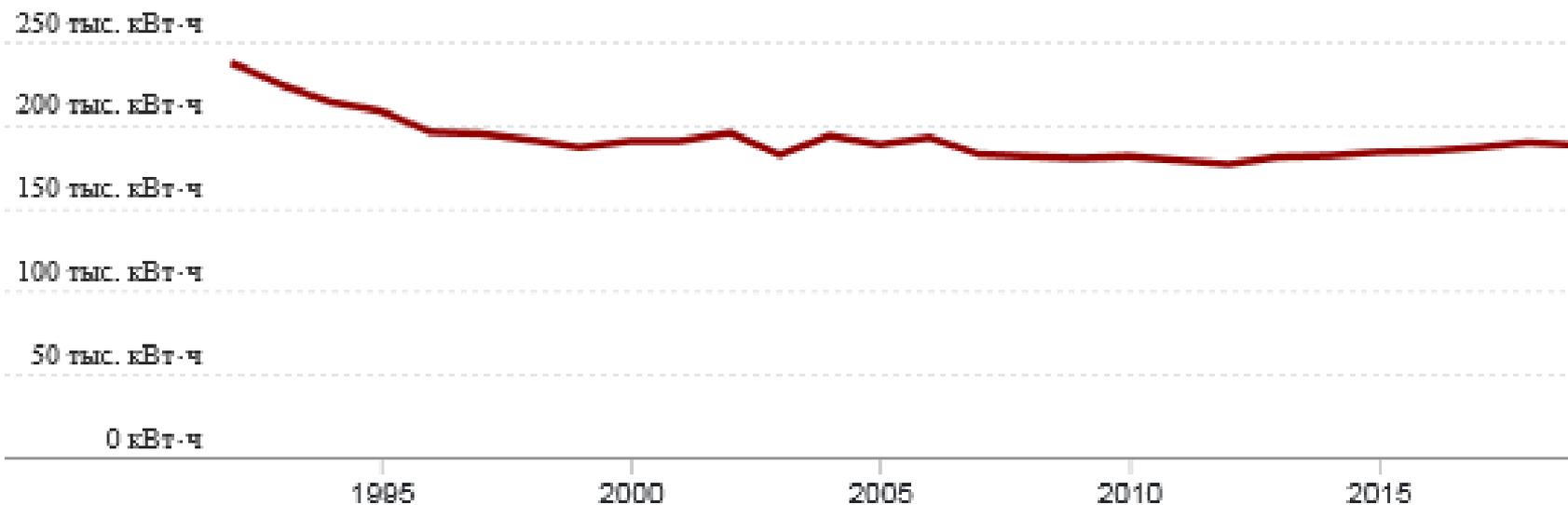
Carbon dioxide emissions per capita in Uzbekistan



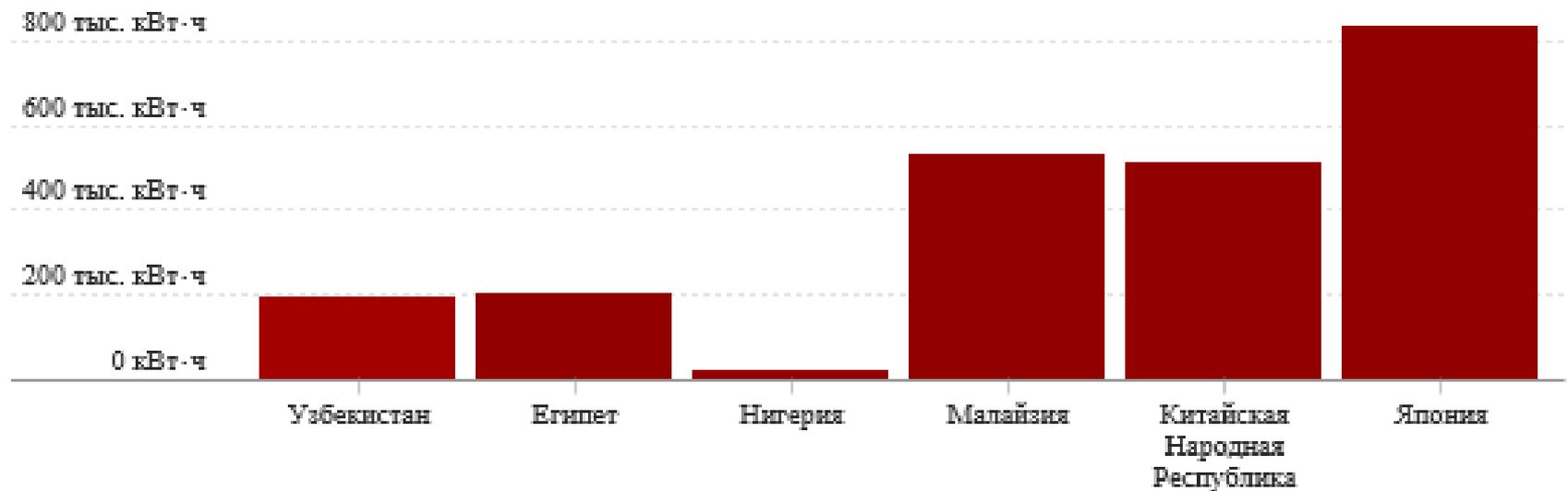
Carbon dioxide emissions per capita: other countries (2019)



Electricity generation per capita in Uzbekistan



Electricity generation per capita: other countries (2018)



Land use

- According to statistics each hectare irrigated land can provide for 8,2 people. However during the last 30 years the irrigating area per person was reduced from 0,22 to 0,12 ha, as population is increasing much faster than the area of irrigating lands.

Cities of the Uzbekistan

- In Uzbekistan's 120 cities and 115 towns lives 51% of all population. Internal migrants search for jobs first of all in Tashkent and cities included in an orbit of the large Tashkent agglomerate - Almaliq, Angren, Akhangaran, Yangiuyul, Chirchik. That is Uzbekistan is a country with one large megalopolis.

Number of the inhabitants in the largest cities of Uzbekistan

№	City	Number of the inhabitants, thousands
1	Tashkent	2 352,9
2	Samarkand	509,0
3	Namangan	475.5
4	Andijan	403,9
5	Nukus	295,2
6	Bukhara	275,2
7	Fergana	264,9
8	Karshi	254,6
9	Kokand	233.5
10	Margilan	215,4
11	Angren	175,4
12	Djizak	163,2
13	Chirchik	149,4
14	Urgench	137,3
15	Termez	136,2
16	Navoiy	134,1
17	Almalik	121,1
18	Shakhrisabz	100,3

Annually from 15 up to 40 % of all families, have one or more family member who is a labour migrant.



All economic reforms in Uzbekistan are based on strategy of transition from agrarian-industrial to industrial-agrarian state.



Urban policies of Uzbekistan

- The effective development of a city as an industrial centre, requires an advanced infrastructure: a stable supply of water, gas and electricity, management of wastewater, efficient urban transport.



- About 13 % of the inhabitants of the Republic or 38 % of all urban population live in small and average sized cities with up to 70 thousand inhabitants. The population of the most part of cities of the Republic is from 12 up to 30 thousand inhabitants.



- Migration of the village population is in many respects an irreversible process and does not give in to suppression. Aspiration of the peasants to move to the cities is quite understandable as the conditions of living and work in cities are better.

Winter 2022/23



Winter 2022/23





Kommunal xo'jaligi va turar-joy fondi portali



e-kommunal.uz

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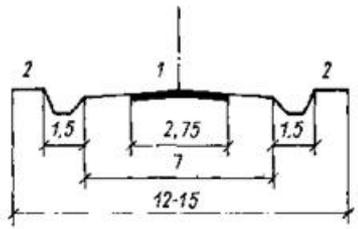
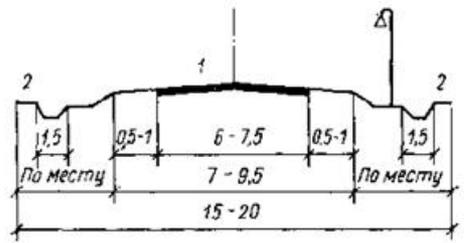
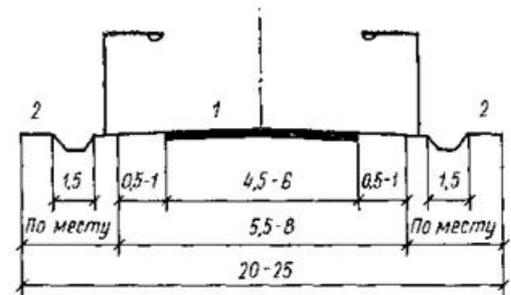
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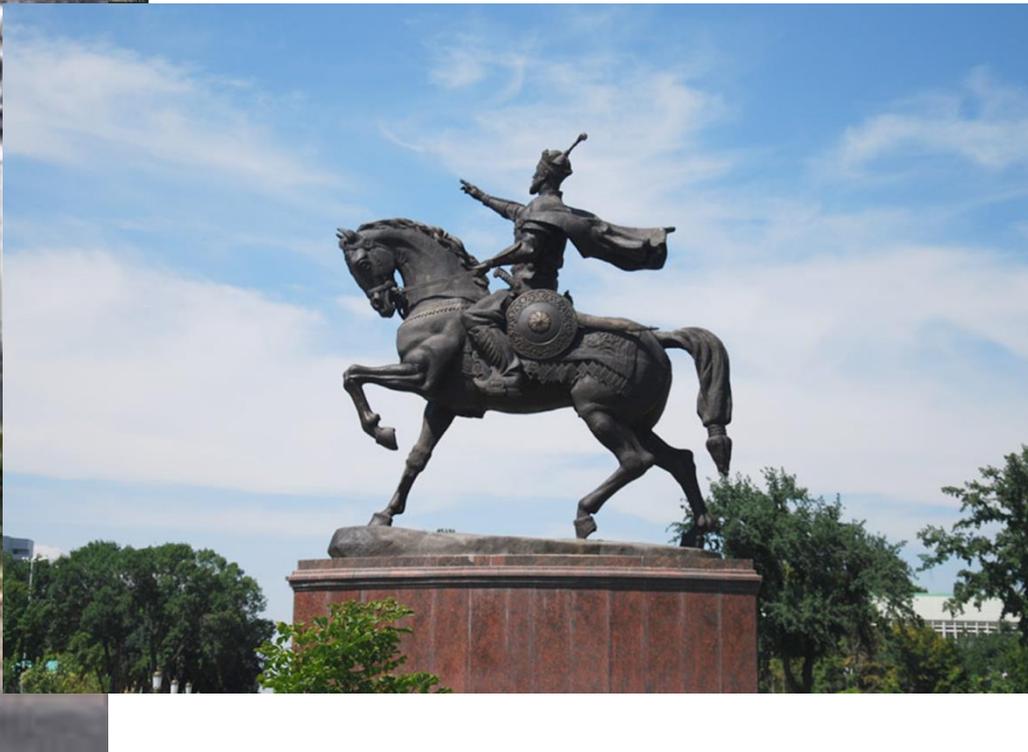


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- Building Sustainable Societies. Chapter 6.5. Urbanisation in Uzbekistan.
- Building Sustainable Societies. Chapter 7.5. Urban policies of Uzbekistan
- https://datacommons.org/place/country/UZB?utm_medium=explore&mprop=count&popt=Person&hl=ru

Thank you for your attention!
Any Questions?

