

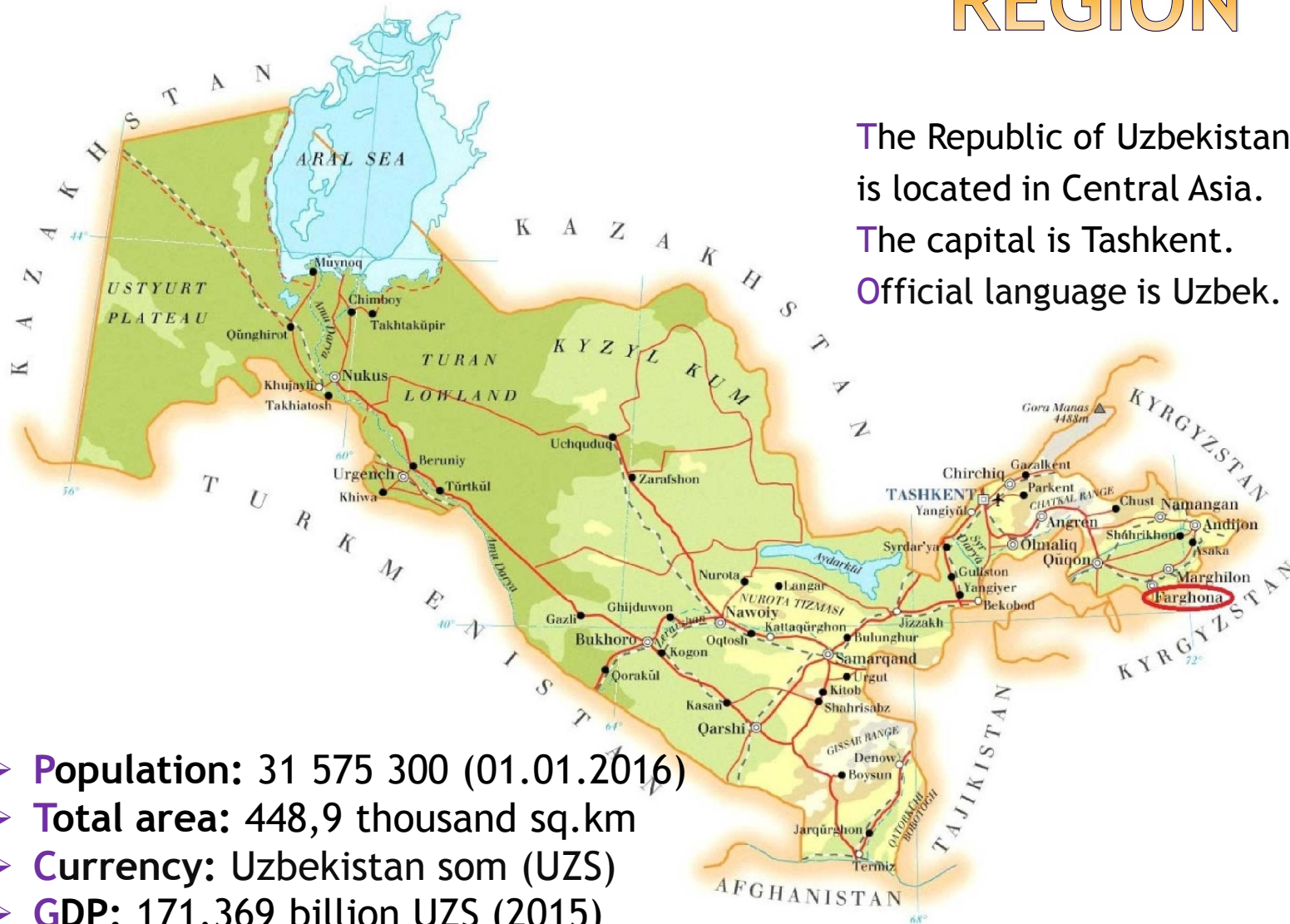
# FERGANA CHEMICAL PLANT



The Republic of Uzbekistan, 2017

## REGION

The Republic of Uzbekistan is located in Central Asia.  
The capital is Tashkent.  
Official language is Uzbek.



- **Population:** 31 575 300 (01.01.2016)
- **Total area:** 448,9 thousand sq.km
- **Currency:** Uzbekistan som (UZS)
- **GDP:** 171,369 billion UZS (2015)



## ABOUT COMPANY

- The Fergana chemical plant of furan compounds (nowadays is Fergana Chemical Plant) was created in 1946 .
- The department for the production of tetrahydrofurfuryl alcohol was build and commissioned in 1965
- The production line of cotton cellulose under European standards was launched in 2002 with financial support of German investors.





## ABOUT COMPANY

- "Fargona Kimyo Zavodi" Ltd. was created in 2012 on the basis of the Fergana chemical plant of furan compounds.
- The plant is one of the largest manufacture of cotton cellulose in Central Aisa and in CIS region.



## ABOUT COMPANY



- Number of staff: more than 624 employees.
- Plant area: 26,09ha.
- Territory of production facilities: 13,02ha.

# COTTON CELLULOSE

- ❖ **Production capacity:** 2 production lines - 30 000 (full capacity) MT per year.
- ❖ **Commissioning year:** 2002.
- ❖ **Equipment manufacturer:** «Unionmatex Industrieanlagen GmbH» and «Josef Meissner GmbH & Co» Germany.
- ❖ **Export** - 90% (Russia, Germany, Ukraine, Bulgaria, Indonesia, Serbia, China, Iran and others).



• Sheet cellulose  
TSh 24095100-02-  
2014



• Unconsolidated  
cellulose  
GOST 595-79

# COTTON CELLULOSE

Quality Index	Specification
Appearance	White porous mass, without impurities: splinter, sand, gum, metal scraps and other non-cellulose add-ons.
Mass Fraction of alpha cellulose, %, not less than:	
a) mass-method	for 25, 35 marks - <b>97,7</b> for others - <b>98,0</b>
b) photometric method	for 25, 35 marks - <b>97,7</b> for others - <b>98,0</b>
Wettability, g, not less	<b>140-145</b>
Mass share of water, %, not more	<b>10,0</b>
Mass share of ash, %, not more	<b>0,2</b>
Mass share of sulphuric acid insoluble residue water, %, not more	<b>0,30</b>
Mass share of fibrous dust, %, not more	<b>0,2</b>
Whiteness, %, not less	<b>85</b>
Weight of iron, mg/kg in bonedry cellulose	-
Dynamic viscosity, cPa for marks:	
15	<b>1,0-2,0 (10-20)</b>
25	<b>2,1-3,0 (21-30)</b>
35	<b>3,1-4,5 (31-45)</b>
70	<b>4,6-8,5 (46-85)</b>
100	<b>8,6-11,5 (86-115)</b>
150	<b>11,6-17,5 (116-175)</b>
250	<b>17,6-30,0 (176-300)</b>
350	<b>30,1-43,0 (301-430)</b>
650	<b>43,1-85,0 (431-850)</b>







## WATER TREATING SECTION

According to the Resolution of the Cabinet of Ministers of Uzbekistan No. 166 from 2012 Fergana Chemical Plant built a new advanced boiler department with Water treating section.

- **Commissioning year:** 2014.
- **Production capacity:** 25 tons of steam per hour.
- **Equipment manufacturer:** «ICI CALDAIE SpA», Italy