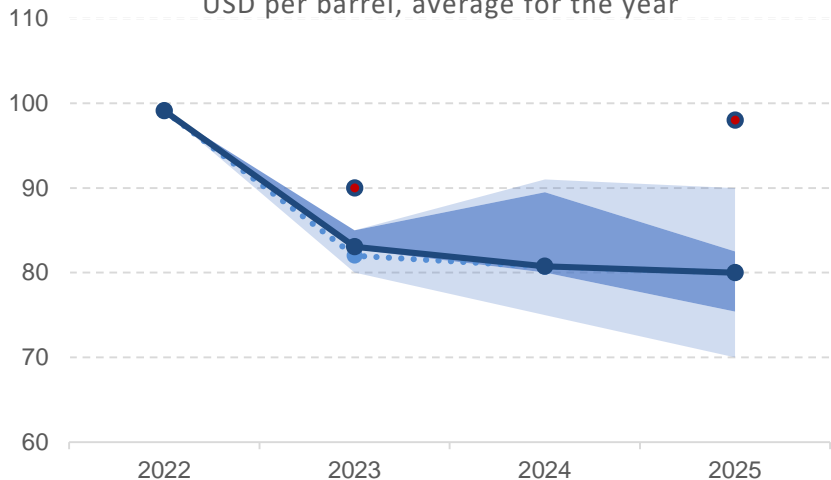




# Macroeconomic survey of the NBK. **November 2023**

## Brent oil price

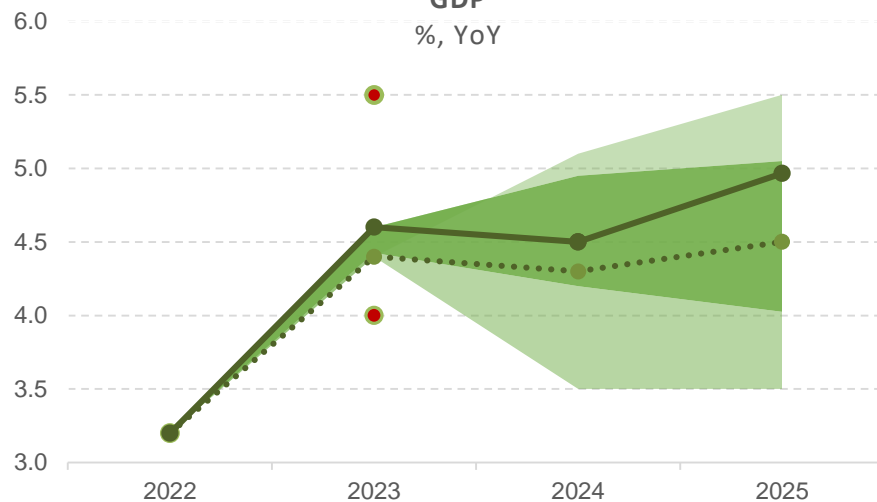
USD per barrel, average for the year



- forecast range
- IQR
- median (September 2023)
- median (November 2023)
- outliers

## GDP

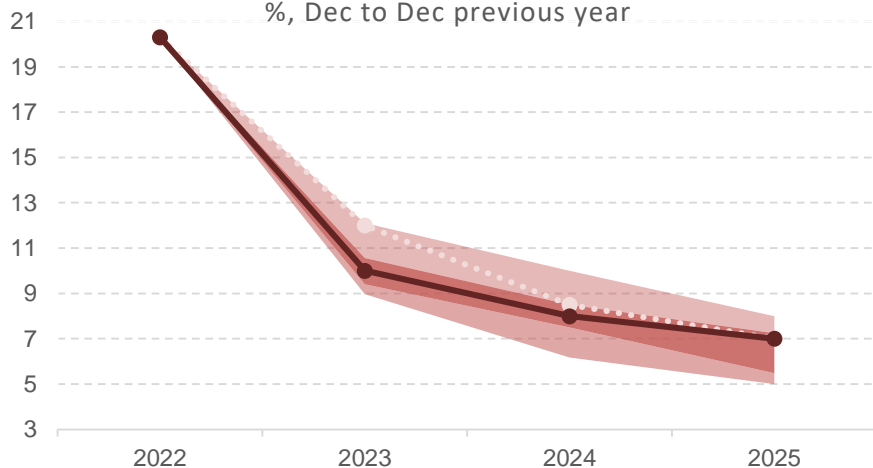
%, YoY



- forecast range
- IQR
- median (September 2023)
- median (November 2023)
- outliers

## CPI

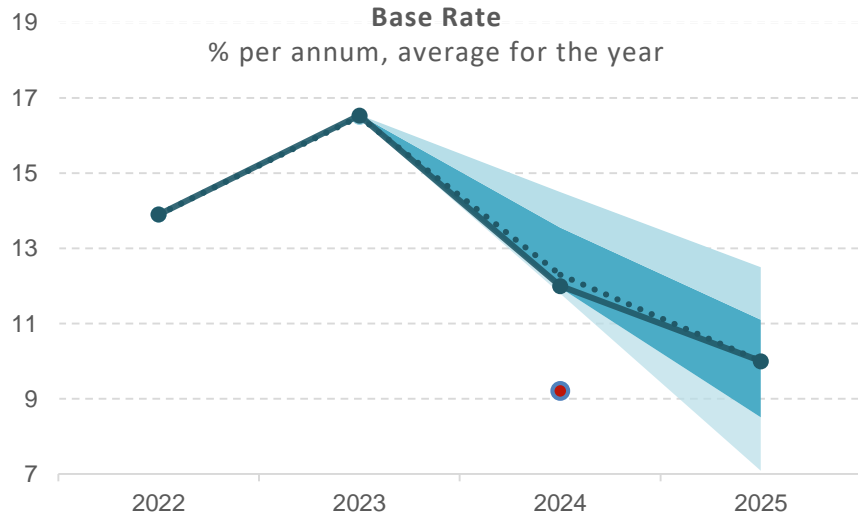
%, Dec to Dec previous year



- диапазон прогнозов
- IQR
- median (September 2023)
- median (November 2023)

## Base Rate

% per annum, average for the year



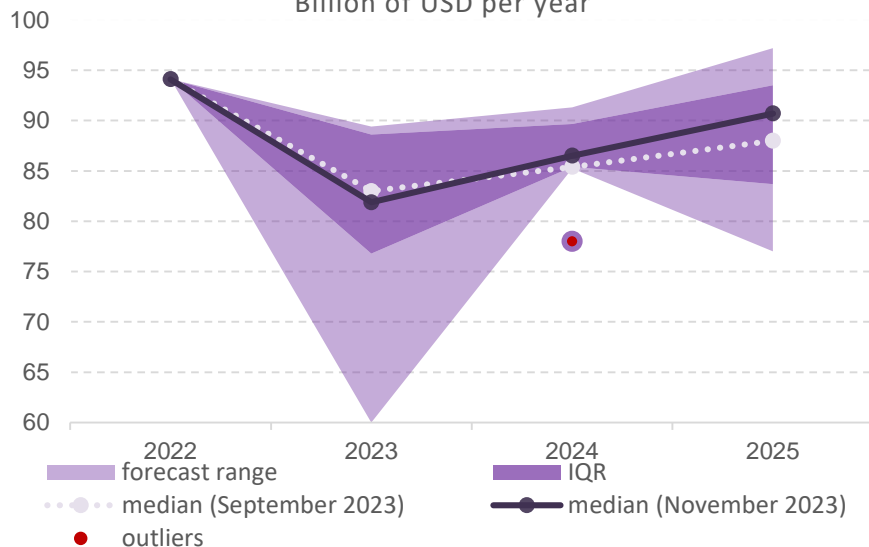
- forecast range
- IQR
- median (September 2023)
- median (November 2023)
- outliers



# Macroeconomic survey of the NBK. **November 2023**

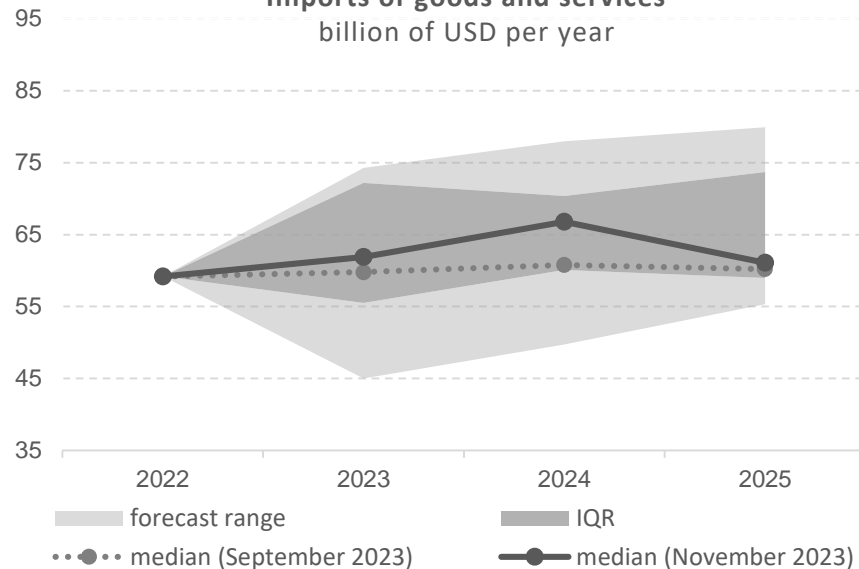
### Export of goods and services

Billion of USD per year



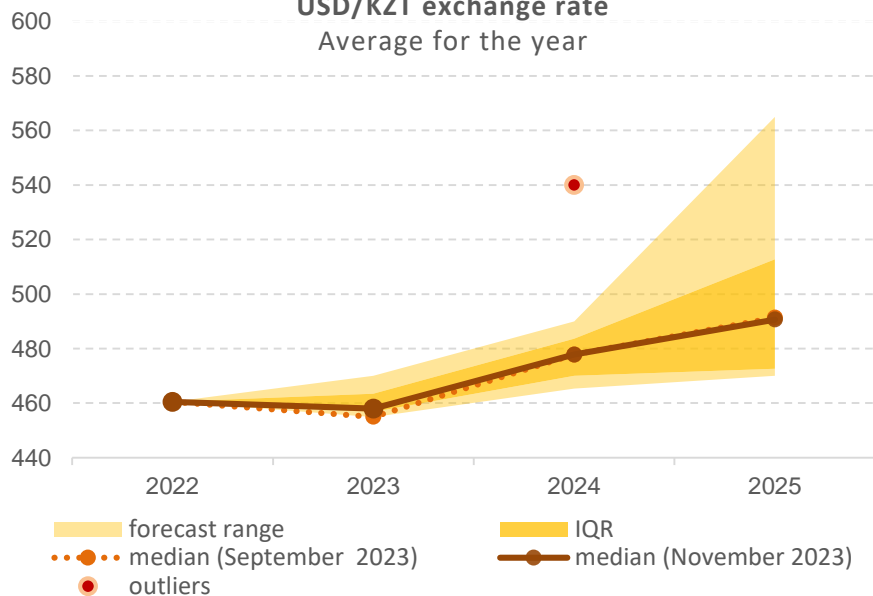
### Imports of goods and services

billion of USD per year



### USD/KZT exchange rate

Average for the year



#### For reference:

**IQR** (interquartile range or center 50% of observations) =  
Q3 (third quartile) - Q1 (first quartile)

**Outliers** – values outside the lower and upper limits of the range, where  
upper limit = Q3 (third quartile) + 1.5\*IQR  
lower limit = Q1 (first quartile) - 1.5\*IQR