

Amir Yaron, Governor, Bank of Israel

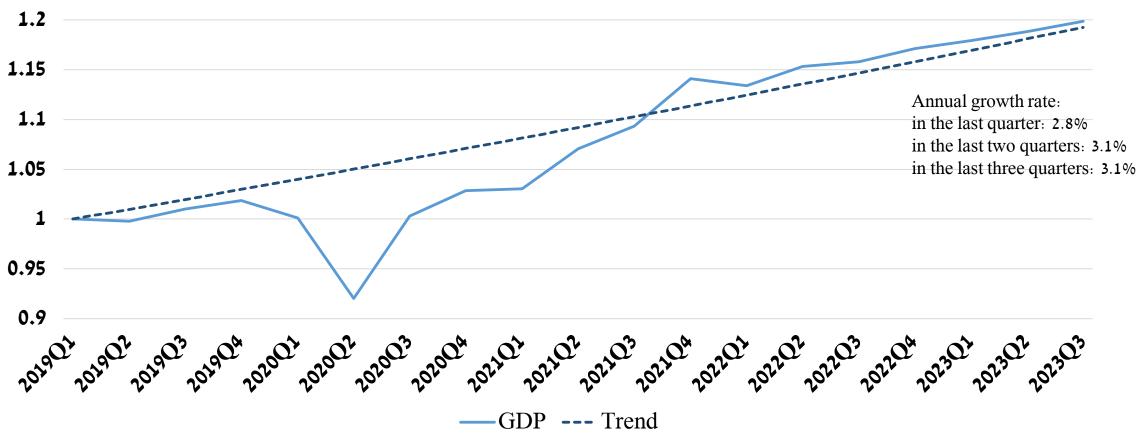


Economic Trends and Developments in Israel prior to the war



GDP growth according to long-term trend

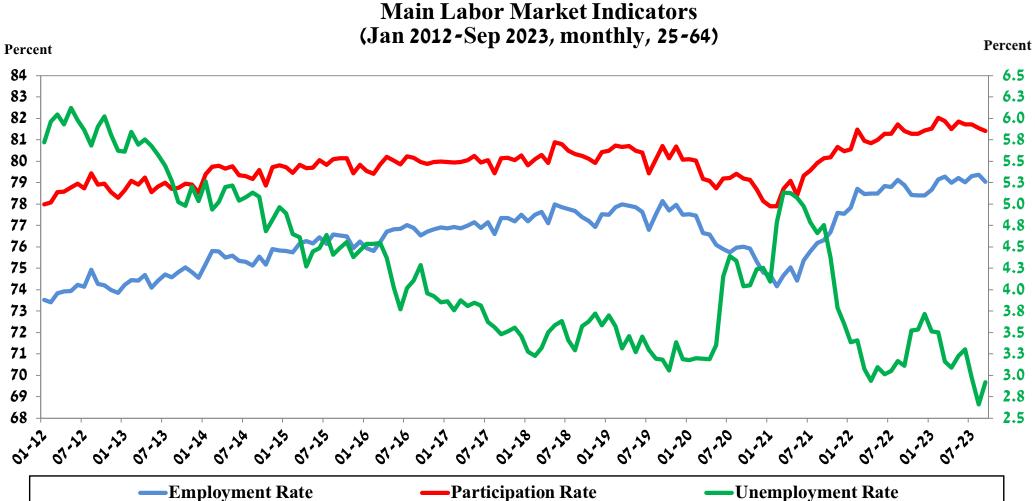
GDP in relation to trend quarterly, constant prices, index: Jan 2019=1 data for 2023 Q3 is based on estimations



Source: Bank of Israel and Central Bureau of Statistics.



The labor market was in a full employment environment prior to the war



^{*} seasonally adjusted

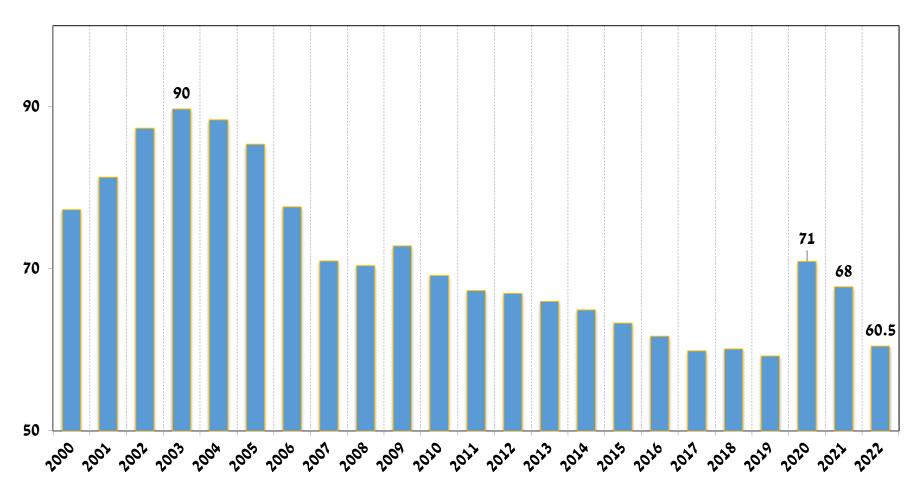
Source: Based on Central Bureau of Statistics Labor Force Survey.



Responsible fiscal policy brought the economy to a desired debt to GDP ratio

Gross Public Debt

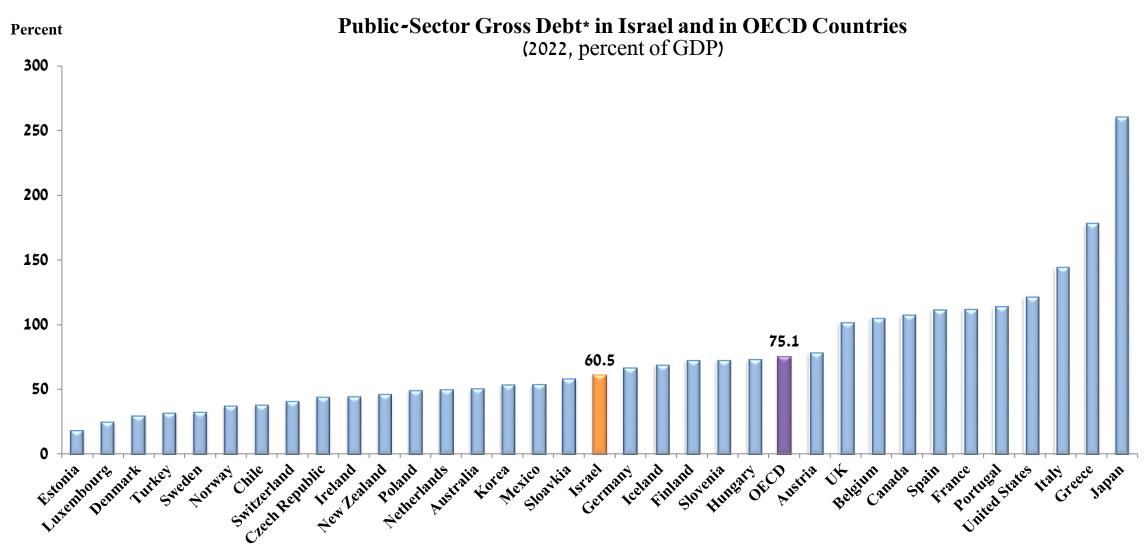
(2000-2022, percent of GDP)



Source: Bank of Israel



Debt to GDP ratio in Israel VS OECD countries

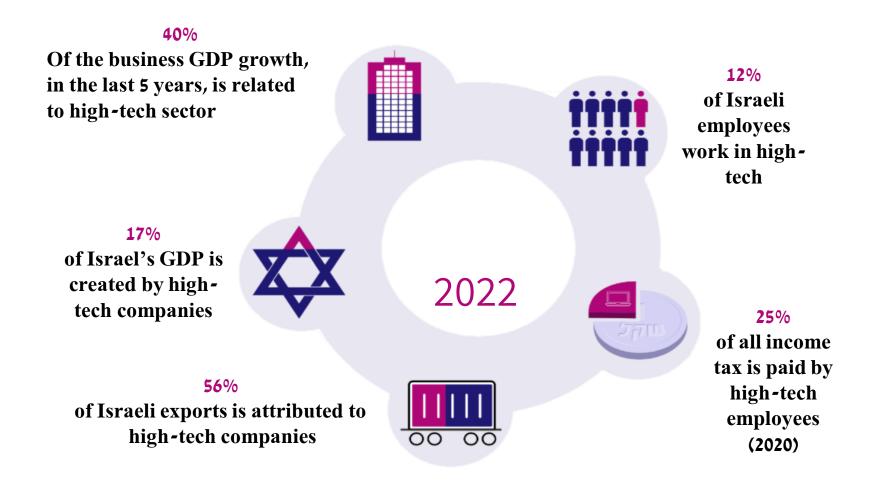


 $^{{\}rm *OECD\ average\ is\ a\ simple\ average\ (excluding:\ Turkey,\ Mexico,\ Chile,\ Estonia,\ Latvia).}$

Source: Bloomberg (IMF) and Bank of Israel



The high-tech sector: A major engine of the economy



Source: The Innovation Authority report and BOI's analysis

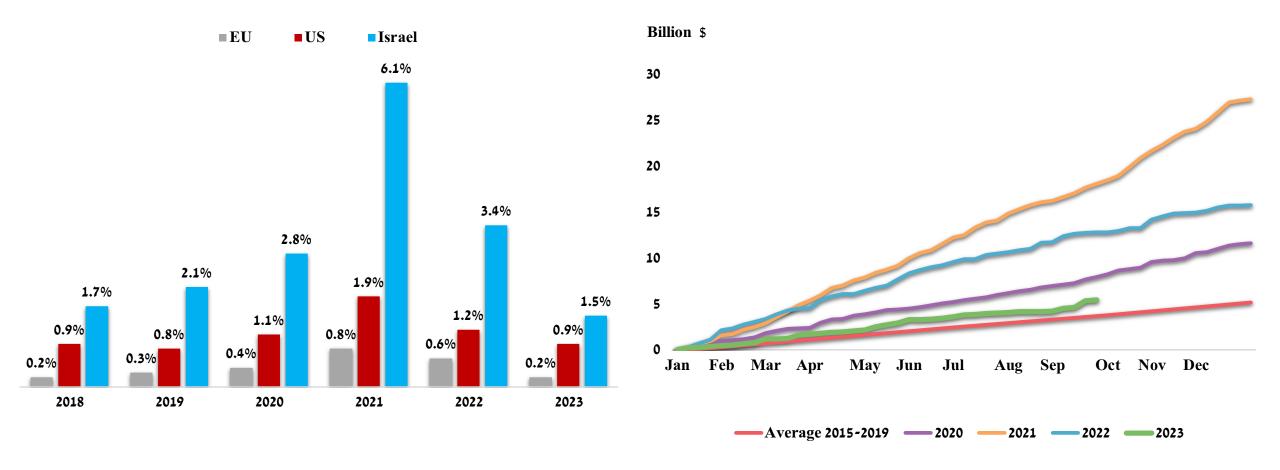


The high-tech sector: capital raised back to 2015-2019 level



Capital raised as a percentage of GDP

Capital raised each year by month



Although Israel accounts for less than 0.5% of world GDP, Israeli unicorns account for 8% of total

Sources: The Innovation Authority, IVC, Meitar, CBS, BOI, National Economic Council and TASE, Bank of Israel's analysis for BLOOMBERG data



The high-tech sector: Diversified & Matured



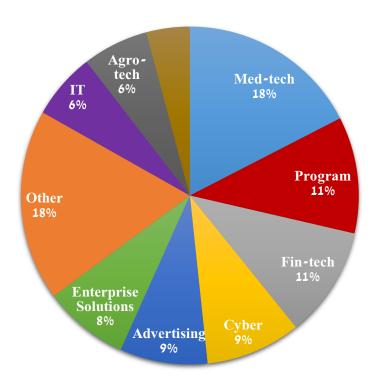
DOT-COM companies

- Centralization in individual sub-sectors (Telecommunication).
- Business immaturity (Dream companies).

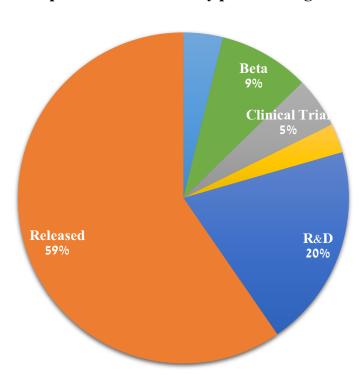
• Today

- A more "decentralized" High-tech
- A large majority of the companies are in the production stage

Companies Distribution by Sub-Sectors



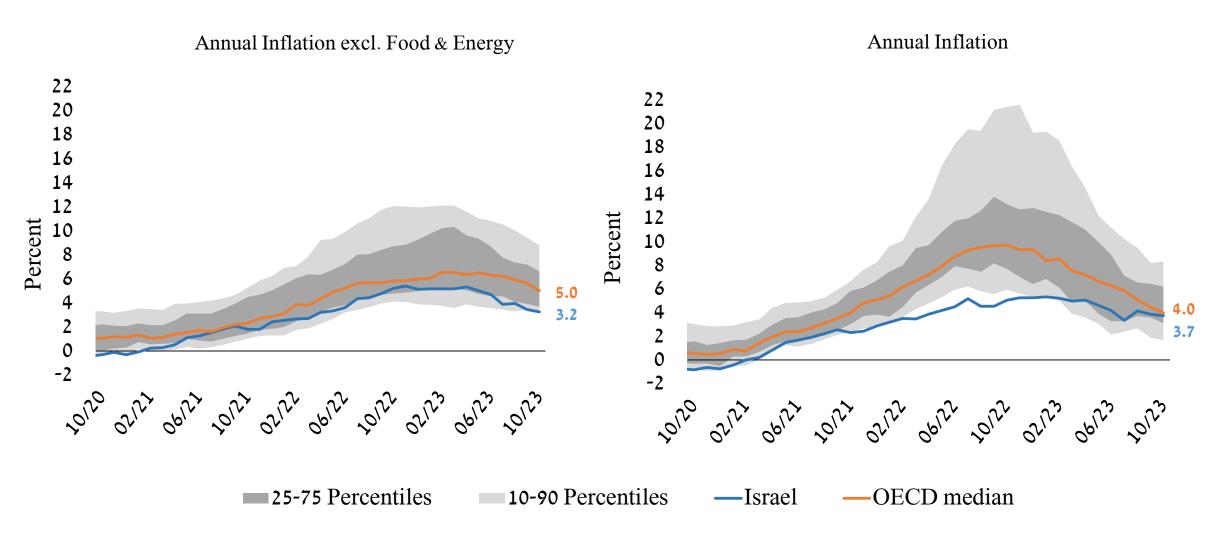
Companies Distribution by product stage





Inflation in Israel is lower than in most OECD countries

Inflation in Israel and OECD Countries, Annual rate, October 2020 – October 2023

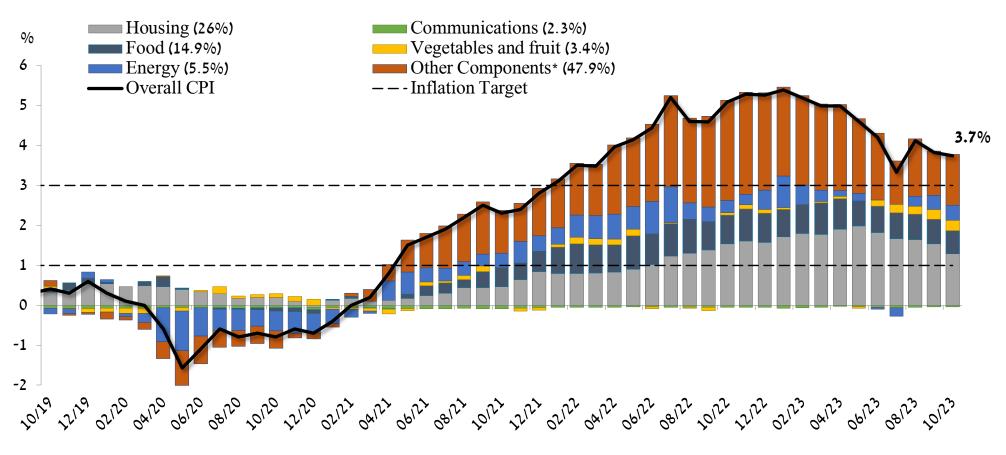


Source: Bank of Israel & OECD



Inflation is moderating

Inflation Rate - Contributions Annual Rate, October 2019 to October 2023



^{* &}quot;Other components" includes Health; Education, Culture and Entertainment; Furniture and Household Equipment; Clothing and Footwear; Miscellaneous; and the Dwellings Maintenance and Transport components minus the sub-components relating to energy prices.

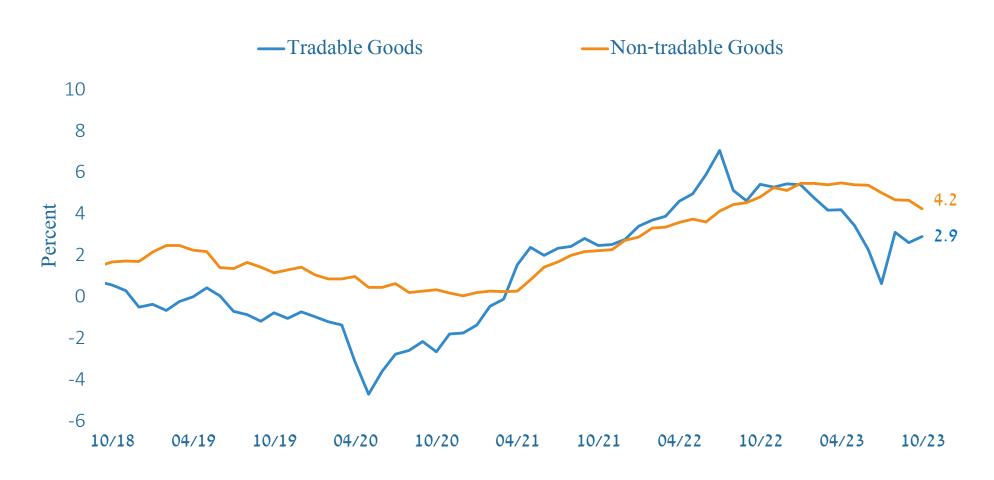
Source: Based on Central Bureau of Statistics



Non Tradable inflation is moderating

Tradable & Non-Tradable

Annual rate, October 2018 to October 2023

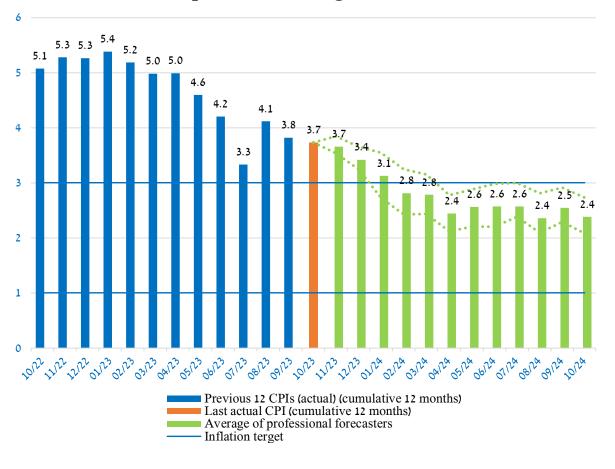


Source: Based on Central Bureau of Statistics

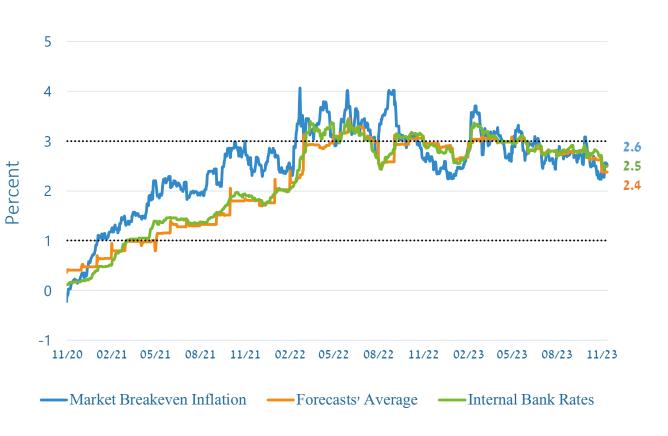


Inflation is expected to converge to target by first half 2024

12-month inflation: Actual CPI and its expected development according to forecasters



One year Inflation Expectations



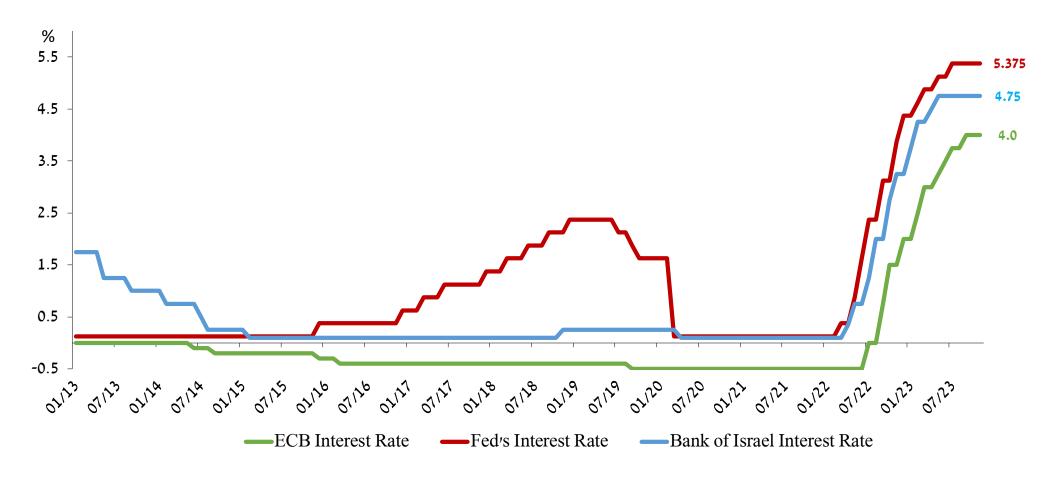
Source: Bank of Israel



Global rates moving together in recent tightening cycle

BOI, FED and ECB Interest Rate

(Jan 2013-Nov 2023, Monthly Average)

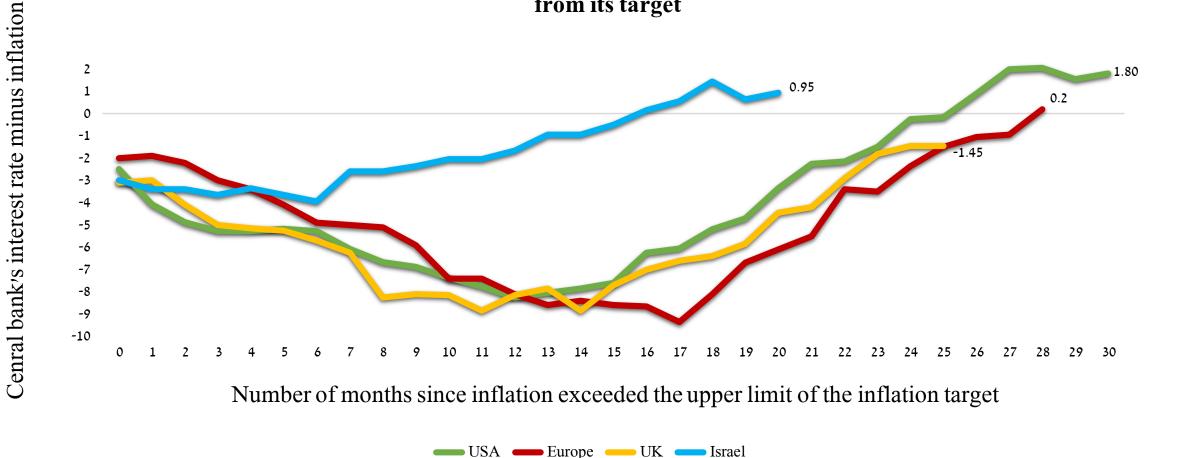


Source: Based on Bloomberg & Central Bureau of Statistics.



The Bank of Israel reacted relatively fast

The central bank's interest rate minus inflation, in proportion to the deviation of inflation from its target

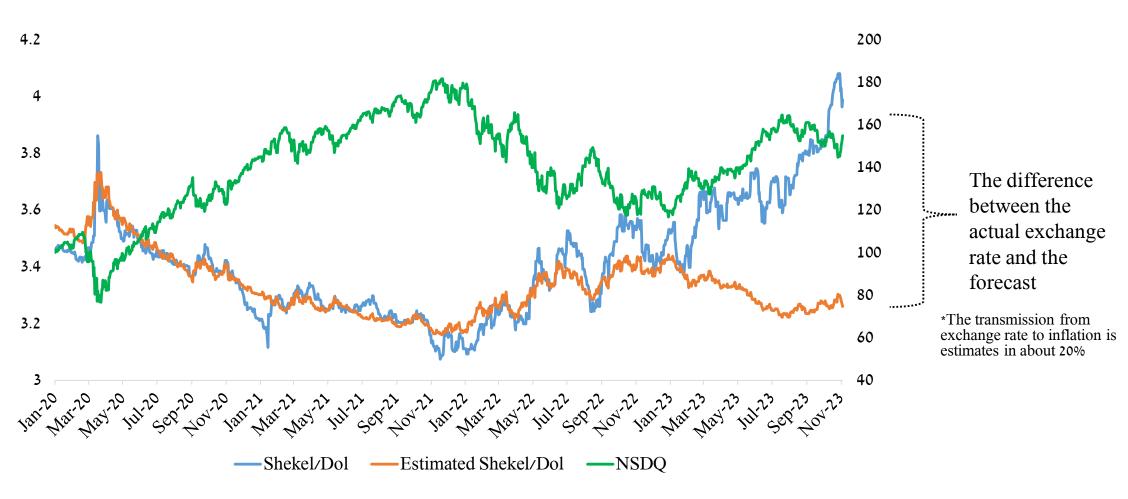


Source: Bank of Israel and Central Banks data



As of September 2023, an estimated excess depreciation of about 15%

The Nasdaq index, the exchange rate and the predicted exchange rate based on regressing the exchange rate on Nasdaq



Sources: BOI's analysis for Bloomberg data and CBS's data

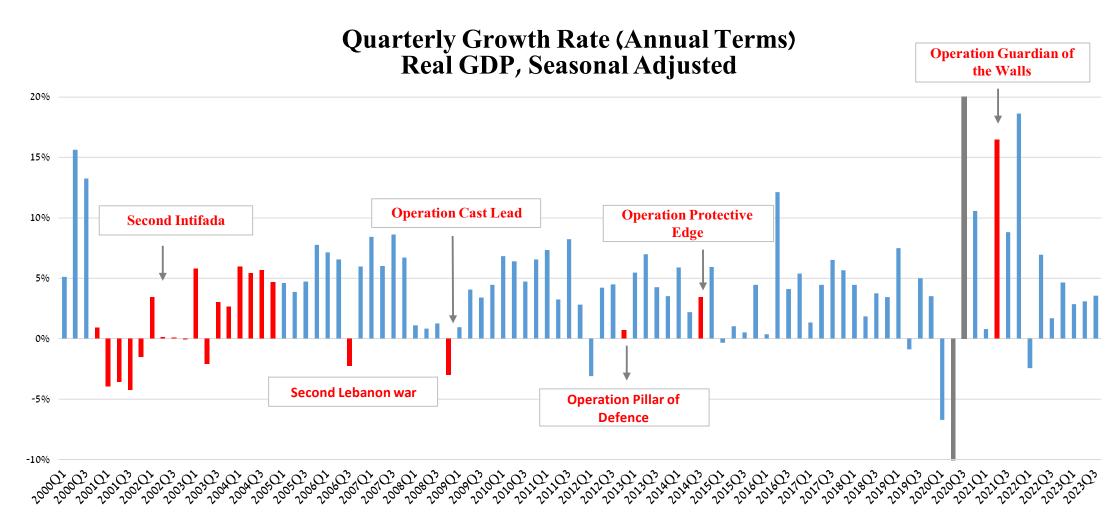
 $log(ILS_USD_t) = \beta^0 + \beta^1 * log(NDX_t) + \varepsilon$

The Developments Due to the War



The Israeli economy recovers rapidly after geopolitical conflicts





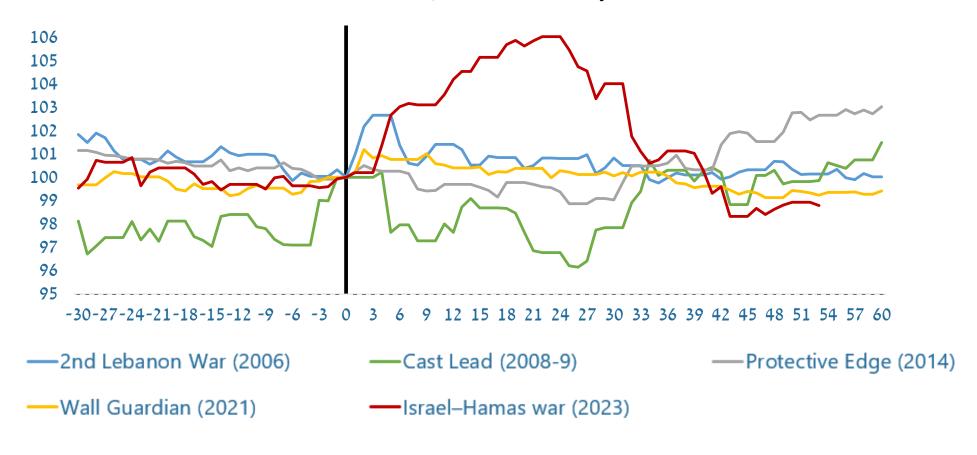
Source: BOI's analysis for CBS data



Initial depreciation was stronger than in previous conflicts but the shekel strengthened below its prewar level

The Nominal Exchange Rate – USD-ILS

Index, conflict onset day=100



Source: Bank of Israel



Steps taken by the BOI in connection with the "Swords of iron" war



Monetary policy and financial stability

- ✓ Program in the FX market
 - **✓** Up to \$30 billion FX sales
 - ✓ Up to \$15 billion SWAP transactions
- ✓ A program for government bond repo transactions with institutional entities.
- Corporate bond repo transactions with institutional investors
- ✓ Low-interest loans to banks conditional on providing credit to SME'S at low interest rates, at a scope of up to NIS 10 billion.

Banking, credit and Payments

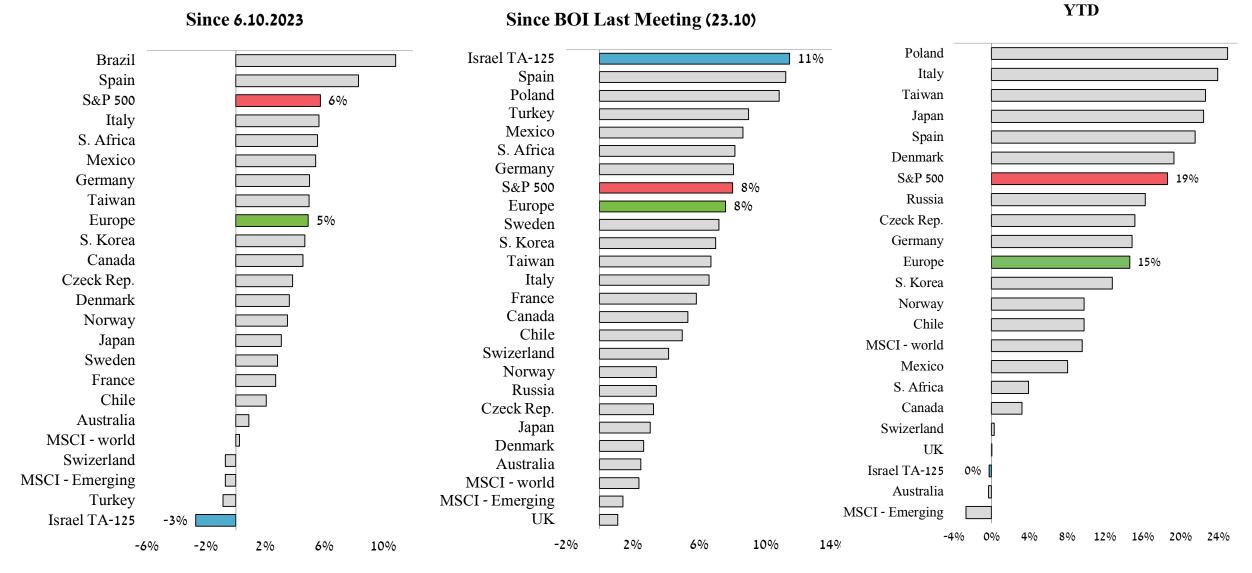
- ✓ A program for deferring loans, free of interest and fees for victims and reserve soldiers.
- ✓ An additional program deferring loans for overall population.
- **✓** Enhancing remote banking services
- ✓ Mitigating the abuse of credit cards and accounts of victims.
- **✓** Regulatory and accounting relief
- ✓ Easing of financial restrictions due to credit distress.
- ✓ Guideline for conservative policy in dividend distribution and LLP.

Economic advice to government

- ✓ Publication of an updated macroeconomic forecast for the Israeli economy.
- ✓ Micro-level economic analysis of economic activity of various industries
- ✓ Estimates of economic damage to the economy
- ✓ Ongoing work vis-à-vis relevant government entities
- ✓ An advisory role for fiscal plans and framework



Stock indices



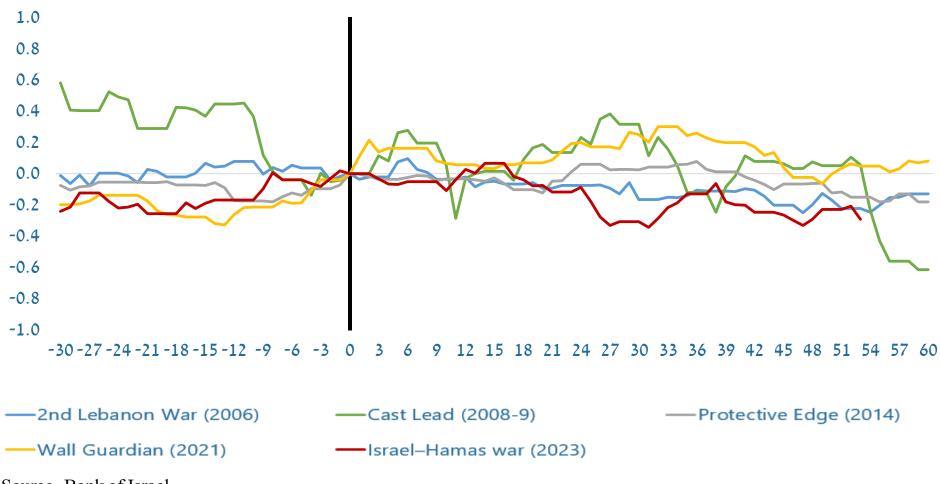
Source: Bank of Israel and Bloomberg



Long run inflation expectations remained stable

Forward Breakeven 5-10 Year Inflation Expectations

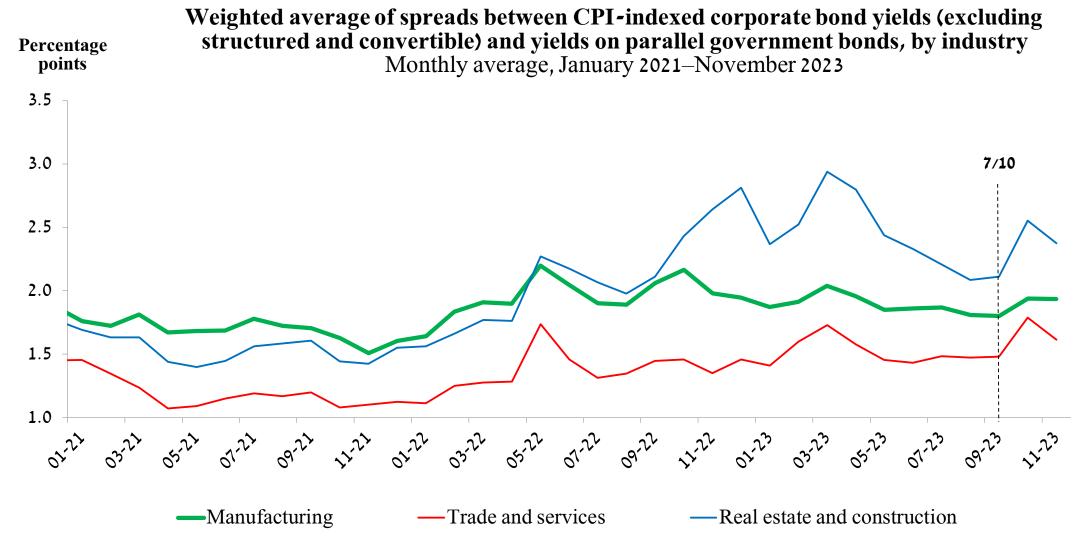
Change from the conflict onset day, in percentage point



Source: Bank of Israel



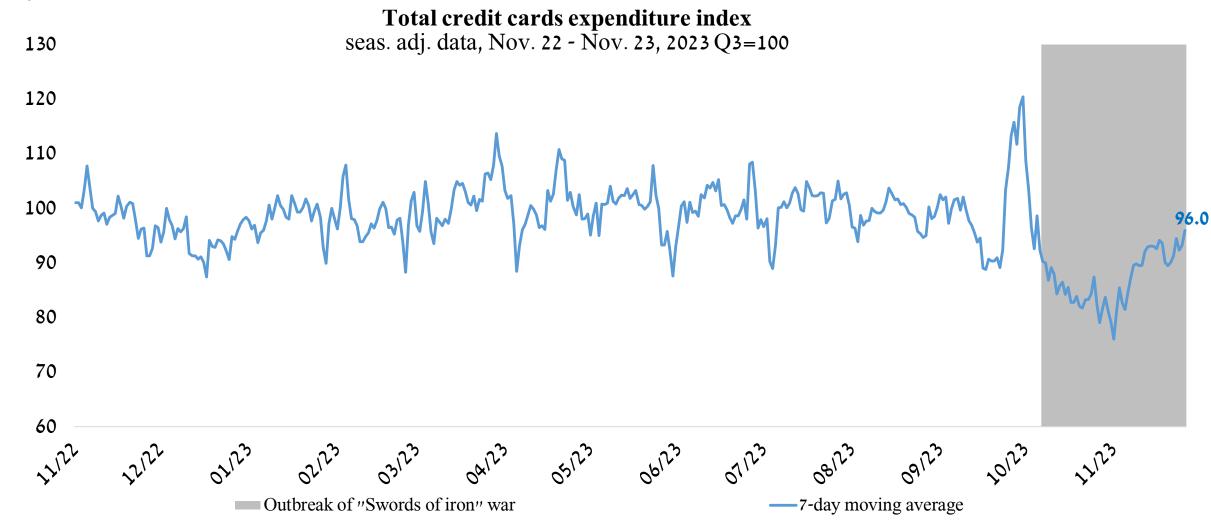
An increase in corporate bond spreads since the eruption of the war and recent moderation



Source: Bank of Israel



Credit card expenditures declined and recovered



Source: Based on Shva seasonally adjusted data



Budgetary costs of the war (expenditures plus loss of income) are expected to total 10 percent of GDP

Expected fiscal impact of the "Swords of Iron" war (NIS billion)

A STATE OF THE STA	Total 2023–2025	
Gross defense expenditures	107	
Compensation for direct and indirect damage	22	
Other civilian expenditures	25	
Interest on government debt	8	
Additional gross expenditures	163	
Loss of tax revenue	35	
Total gross effect of the war	198	

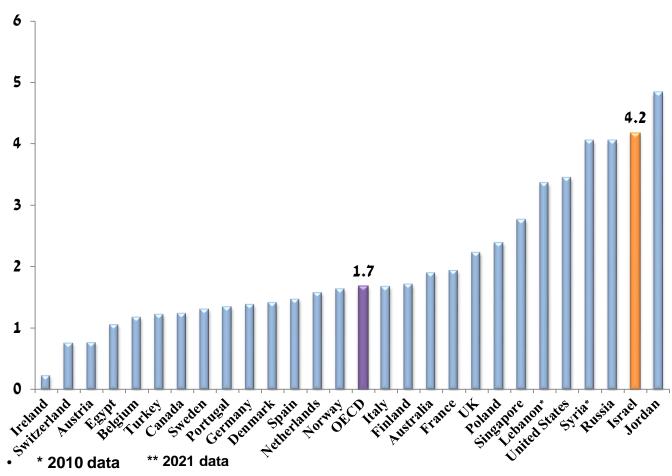
a Including expenditures financed through the military aid from the US government, and before reductions in other expenditures in the defense budget. b Including taxes (excluding VAT on defense imports), National Insurance Institute fees, and health tax.

Source: Research Department Staff Forecast, Bank of Israel, November 23, Table 2



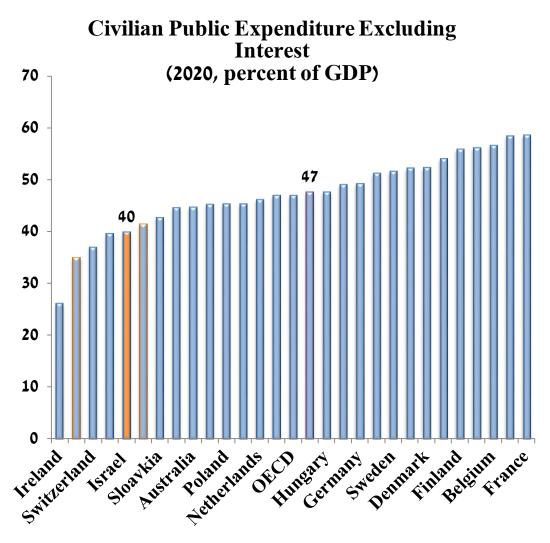
Israel military relative expenditure was high but declining prior to the war

Military Expenditure in Israel and in selected Countries (2022, percent of GDP)



OECD average is a simple average (excl. Iceland).

Source: Bloomberg (World Bank - SIPRI) and Bank of Israel



•The data is calculated by deducting the net debt interest payments and defense expenditure from the general government total outlays. OECD average is a simple average (excluding: Turkey, Mexico, Chile, Slovenia, Estonia, Island, Latvia) Source: Bank of Israel



Research department updated forecast 2023, 2024

THE COUNTY OF TH	2023	2024
GDP growth	2.0% (2.3%)	2.0% (2.8%)
Export growth	1% (2.5%)	1.5% (4%)
Wide unemployment rate	4.3%	4.5%
Debt to GDP ratio	63% (62%)	66% (65%)
Inflation	3.5% (3.5%)	2.4% (2.5%)

^{*}Red numbers describe the previous forecast from October 23rd.



Thank you