

# PORTUGAL

#### **ECONOMIC RESILIENCY AND DELEVERAGING**

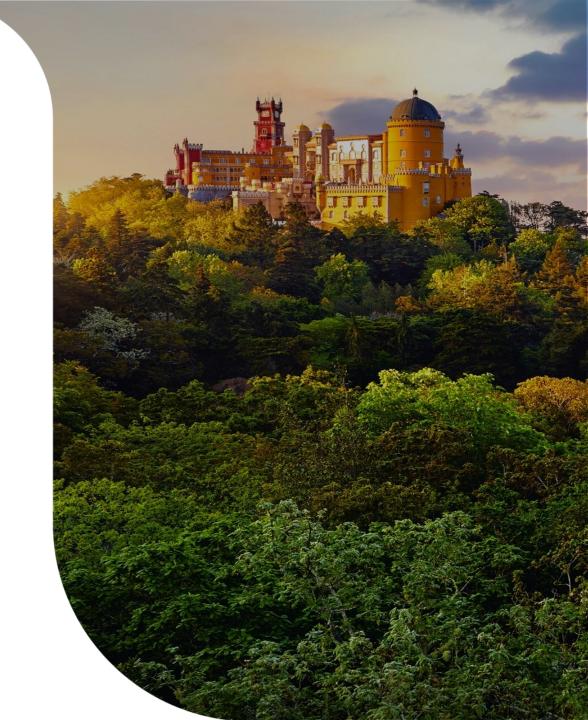
**JUNE 2025** 

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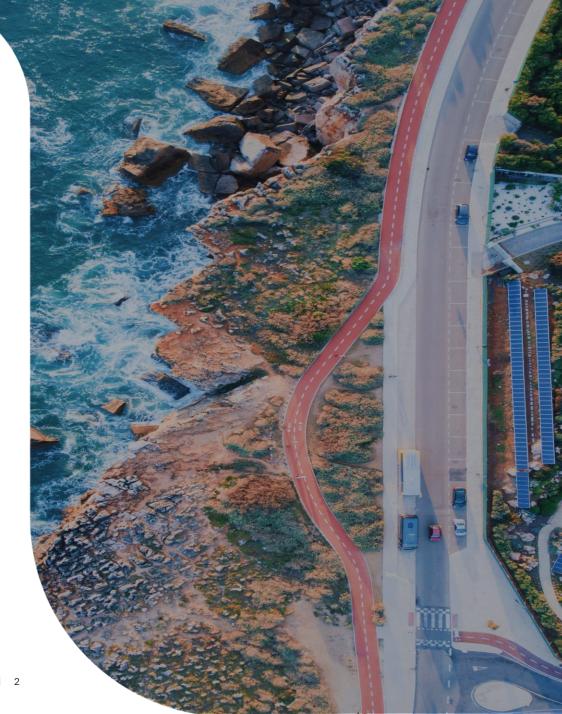
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# **Executive Summary**

- Real GDP grew by 1.9% in 2024 and is projected to grow by an average of 1.8% between 2025-27<sup>(1)</sup>, outperforming Euro Area growth
- Domestic demand is set to continue supporting economic growth, while external demand faces headwinds due to global trade tensions
- Portugal has a **diversified and open economy**, with manufacturing (mechanical & electronics, chemicals & plastics, automotive & mobility, textiles & clothing and renewables) as well as travel and tourism, driving the export sector (almost 50% of GDP)
- The capital and current accounts are expected to remain in surplus, suggesting that net external debt will continue on a downward trajectory
- **Public accounts are in surplus** (1.2% of GDP in 2023 and 0.7% in 2024) and are expected to remain so in the coming years <sup>(2)</sup>, with tax revenues growth accommodating the adoption of policy measures aimed to increase households' disposable income and to improve the country's competitiveness
- **High primary balances** combined with economic growth have resulted in a sharp decline of public debt (94.9% of GDP in 2024, -39.2 pp vis-à-vis the 2020 peak) and will continue to bring debt down by 3 to 4 pp yearly, as part of a process of deleveraging of the entire economy
- Banking sector profitability increased considerably, with improvement in asset quality and rise of net interest margins
- **Prudent public debt management** has kept risks at bay, with a lower refinancing risk (around 40% for 5 years) and a safe weighted average maturity (above 7.5 years)
- Despite the increase in net cash requirements of the State, net issuance of PGB remains stable around EUR 8 billion in 2025
- **Upgrading trend in credit ratings**, currently at A3 | Stable by Moody's, A | Positive by S&P, A- | Positive by Fitch, A (high) | Stable by DBRS, and A | Stable by Scope, acknowledging a solid and improving economic outlook

(1) Annual average growth rate between 2025-2027 [Banco de Portugal, Economic Bulletin, June 2025]

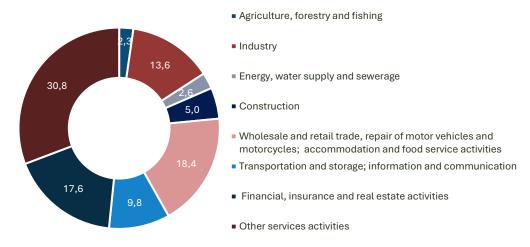
(2) Ministry of Finance (State Budget 2025, October 2024 and Medium-Term Fiscal Structural Plan 2025-2028, October 2024)

# Portuguese economy snapshot

		2024
-	<b>Area</b> (sq. km '000)	92.2
<b>^^^</b>	Resident population (number)	10 749 635
€	GDP real growth rate (%)	1.9%
	<b>GDP per capita</b> (current prices, €)	26 697
	Savings rate (Disposable income %)	12.2%
<b>8</b>	Unemployment rate (%)	6.4%
	General Government balance (GDP %)	0.7%
<u></u>	Public Debt (GDP %)	94.9%
	Current and Capital account (GDP %)	3.3%
	Inflation (annual average)	2.7%
	[Statistics Portu	ıgal, <u>Banco de Portugal, Eurost</u>

#### Open and diversified economy within Euro Area

✓ Strong growth fundamentals and diversified economic activity<sup>1</sup>
 GVA decomposition by sector of activity, 2024, current prices, % of total



- $\checkmark$  Robust and diversified exports (both in terms of sectors and markets; ≈ 50% of GDP)
- ✓ Solid labor market: low unemployment and high level of employment
- ✓ Strong institutions and governance
- One of the safest countries in the world
- $\checkmark\quad$  One of first countries to announce the commitment to be carbon neutral by 2050

<sup>1</sup> [Statistics Portugal], Breakdown of industry sector in annex.

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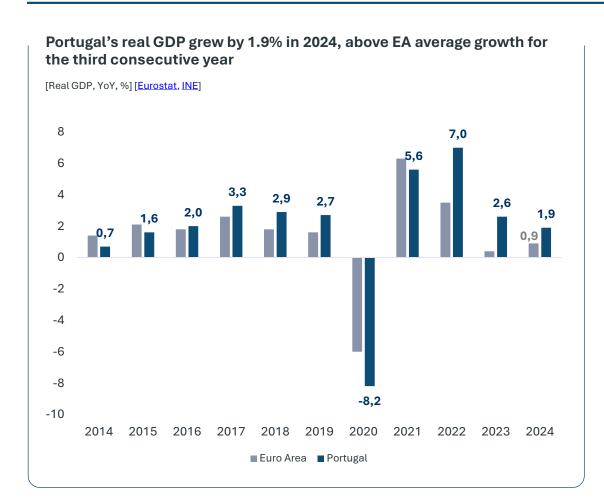
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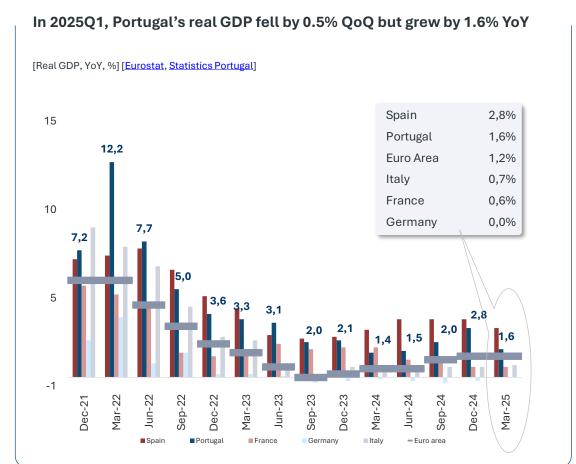
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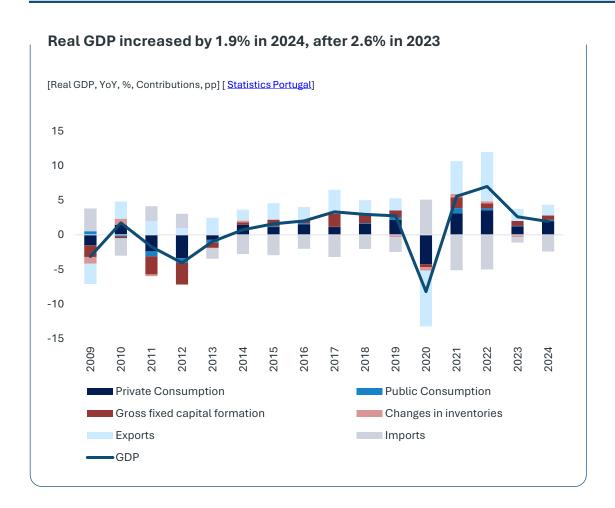


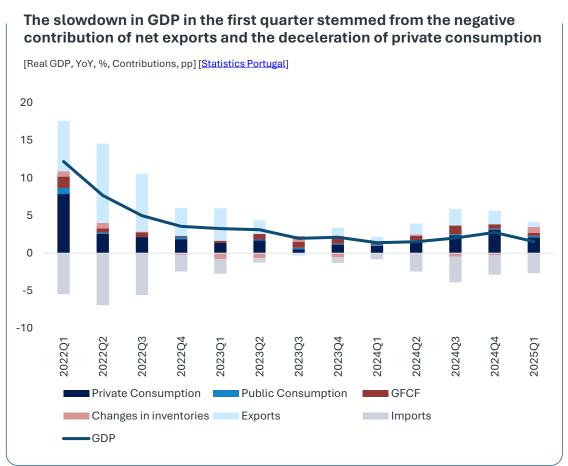
#### After strong growth in late 2024, the Portuguese economy slowed at the beginning of 2025



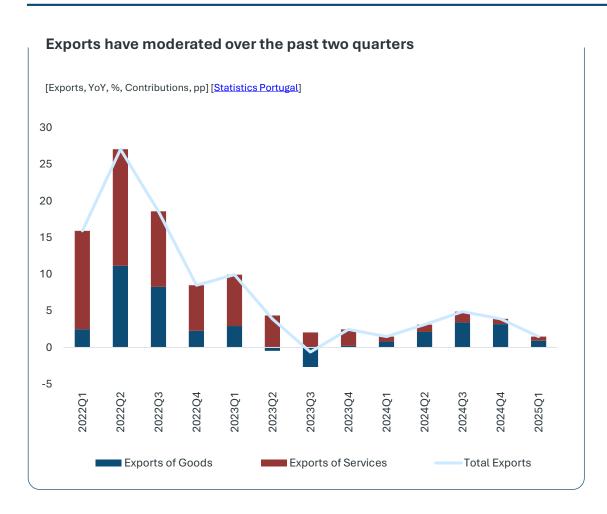


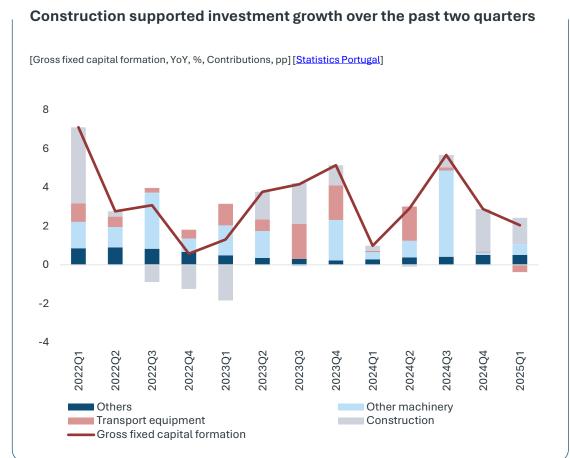
## Portuguese GDP slowed in Q1 due to weak net exports and lower private consumption



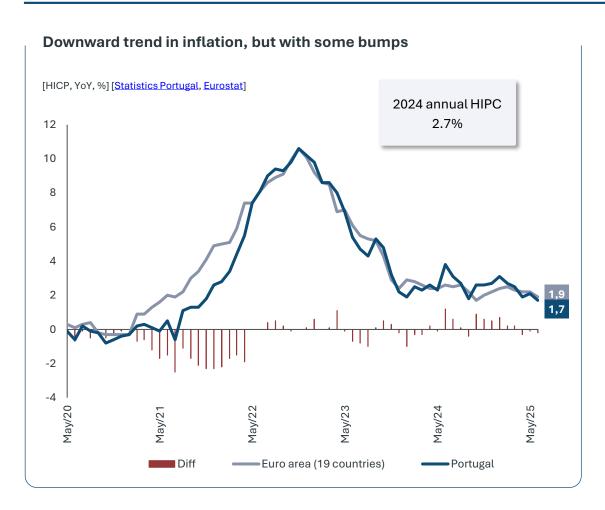


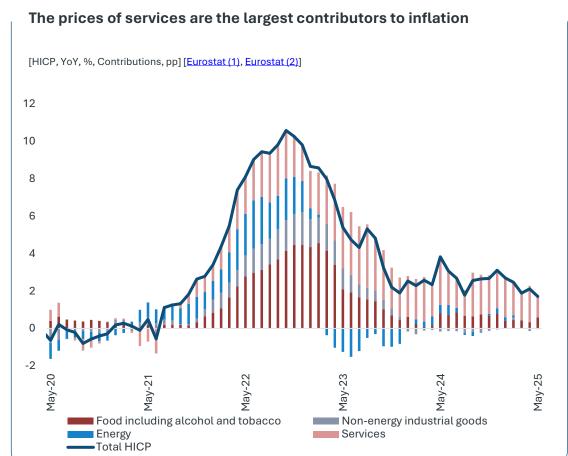
## Exports and investment continue to show resilience, albeit with some moderation





# Portuguese inflation is around the 2% price stability target



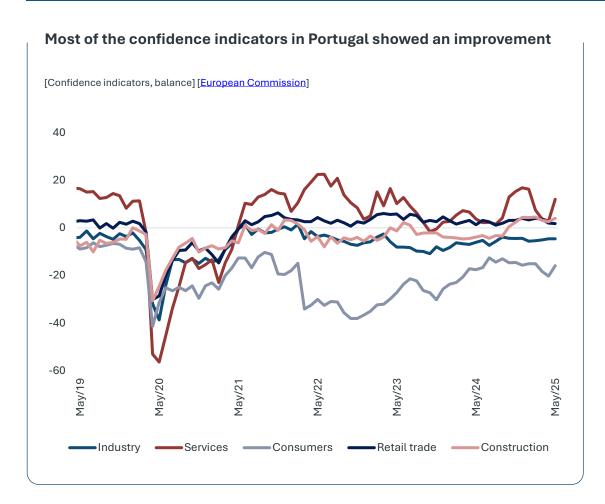


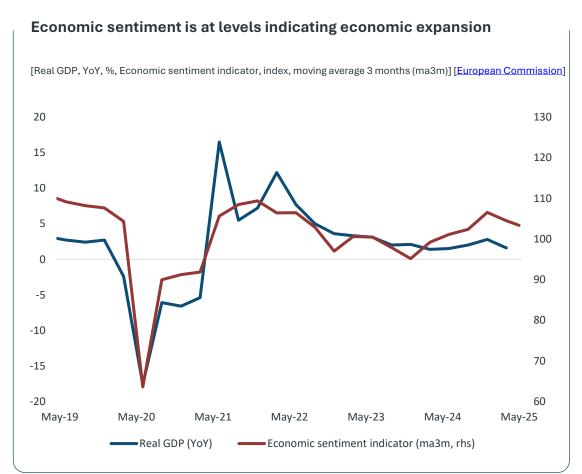
# Projections point to steady growth, low unemployment, and inflation around 2%

Macroeconomic projections for Portugal	Statistics Portugal		2025 State Budget October	_	October 2024		IMF  World Economic Outlook  April 2025		Banco de Portugal  Economic Bulletin  June 2025		European Commission  Economic Forecast May 2025					
				2024 April 2025												
	2022	2023	2024	2025 F	2025 F	2026 F	2027 F	2028 F	2025 F	2026 F	2027 F	2025 F	2026 F	2027 F	2025 F	2026 F
Real GDP (yoy %)	7.0	2.6	1.9	2.1	2.4	2.2	1.7	1.8	2.0	1.7	1.5	1.6	2.2	1.7	1.8	2.2
Private Consumption (yoy %)	5.5	1.9	3.2	2.0	2.4	1.9	1.8	1.8				2.2	2.0	1.9	3.3	2.8
Public Consumption (yoy %)	1.7	0.6	1.1	1.2	1.7	0.9	0.3	0.5				1.0	1.0	0.7	1.2	1.2
Gross Fixed Capital Formation (yoy %)	3.3	3.7	3.1	3.5	4.4	3.7	1.8	2.7				2.1	5.8	0.1	3.5	4.3
Exports of goods and services (yoy %)	17.2	3.8	3.3	3.5	2.2	3.4	3.3	2.8	2.0	1.9	1.9	1.7	2.6	2.9	1.7	2.8
Imports of goods and services (yoy %)	11.3	1.8	5.0	3.5	2.8	3.4	3.2	2.9	2.9	2.7	2.1	3.4	3.2	2.2	4.3	4.1
<b>Domestic demand contribution</b> (pp GDP growth)	4.9	1.7	2.7	2.1	2.7	2.1	1.6	1.8				2.3	2.5	1.3	2.9	2.8
Net exports contribution (pp GDP growth)	2.1	0.9	-0.8	0.0	-0.3	0.0	0.1	0.0							-1.1	-0.5
Employment growth (yoy %)	3.7	1.0	1.6	0.7	0.6	0.5	0.4	0.3				1.4	0.7	0.5	1.0	0.9
Unemployment rate (% labor force)	6.1	6.5	6.4	6.5	6.4	6.4	6.4	6.3	6.4	6.3	6.2	6.4	6.4	6.4	6.4	6.3
Net lending/borrowing of the economy (% GDP)	-1.3	1.7	2.9	3.6		3.9	2.9	3.0							2.4	2.0
Current account balance (% GDP)	-2.0	0.6	2.2	0.7		1.0	1.0	1.2	1.7	1.5	1.6				1.2	0.9
GDP deflator (yoy %)	5.3	7.0	4.4	2.6	2.7	2.0	2.0	2.0	2.6	2.3	2.1	2.7	2.4	2.4	3.1	2.2
Inflation (HICP, yoy %)	8.1	5.3	2.7	2.3	2.4	2.0	2.0	2.0	1.9	2.1	2.0	1.9	1.8	1.9	2.1	2.0

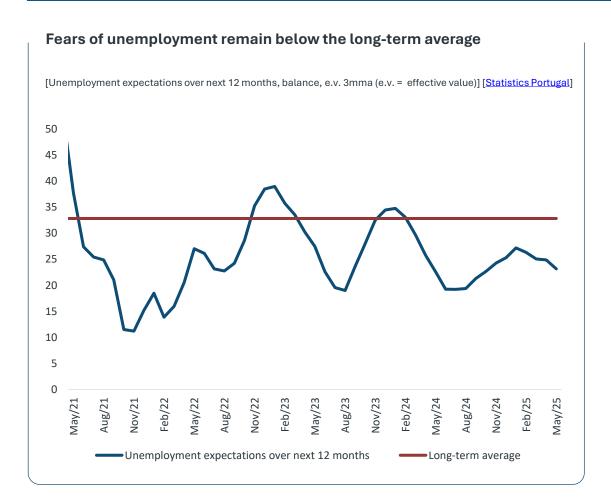
[Statistics Portugal, Ministry of Finance (State Budget 2025, October 2024, Annual Progress Report, April 2025, Medium-Term Fiscal Structural Plan 2025-2028, October 2024), IMF (World Economic Outlook, April 2025), Banco de Portugal (Economic Bulletin, June 2025), European Commission (Economic Forecast, Spring 2025)]

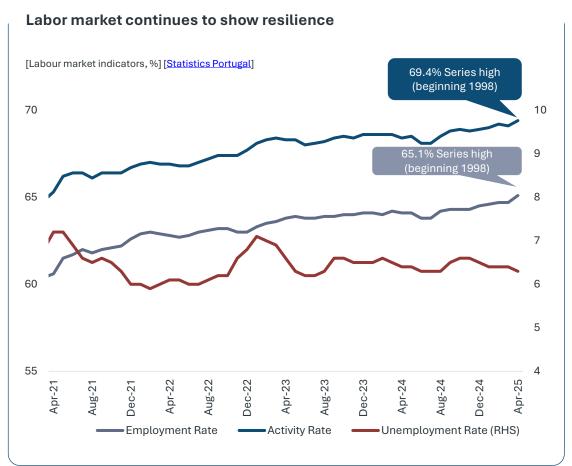
# Confidence indicators continue to point to economic expansion



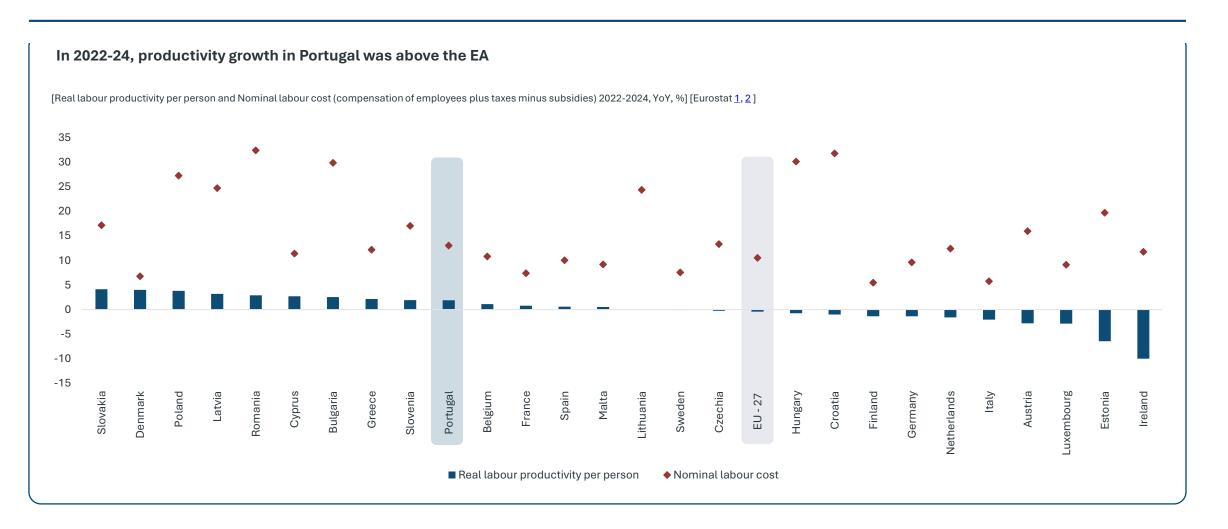


# Labor market remains robust, despite high levels of uncertainty



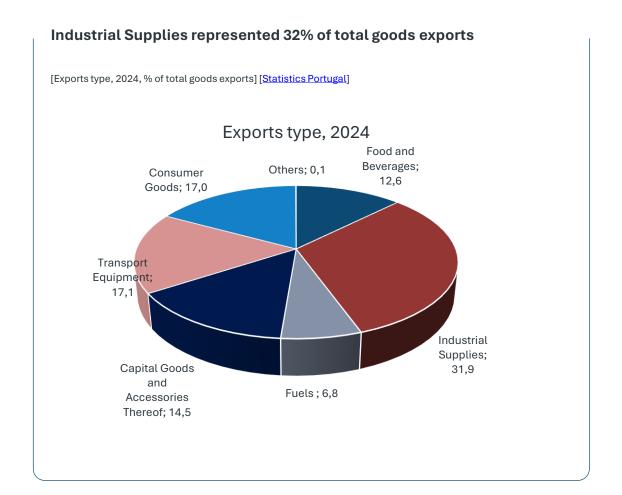


# Portugal among the top 10 countries with higher real productivity growth in 2022-24



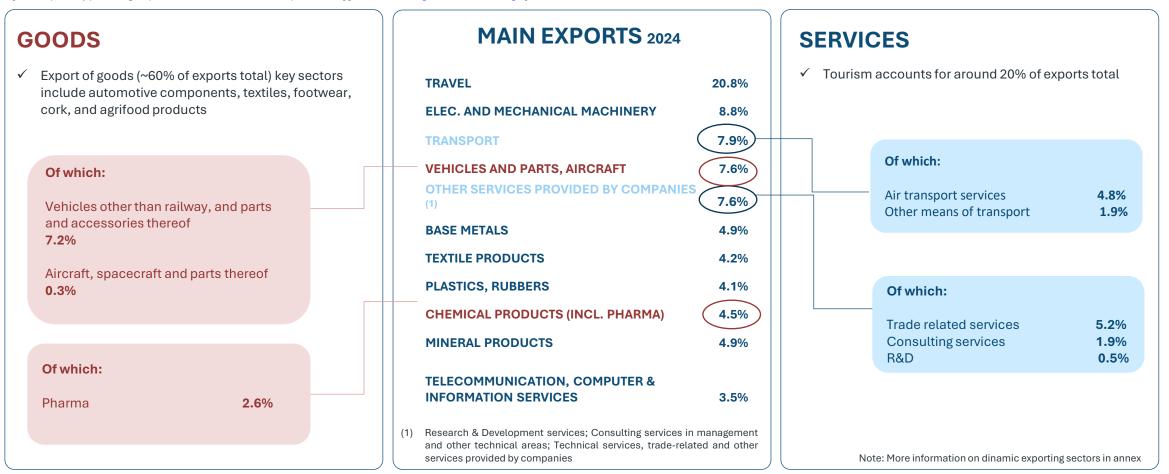
## Goods exports benefit from diversified base of destinations and product type

# Spain, Germany, France and UK represented 55% of total goods exports [Exports destination, 2024, % of total goods exports] [Statistics Portugal] Exports destination, 2024 Germany; 12,3 Others Extra-EU; 28,9 Spain; 26,0 Others Intra-EU; 16,1 France; 12,1 UK; 4,6



# Portuguese exports have proven to be diversified

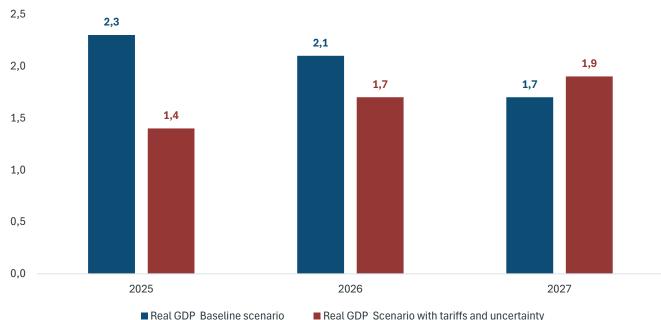
[Main exports by product groups and services as % of total exports, 2024] [Statistics Portugal; Banco de Portugal]



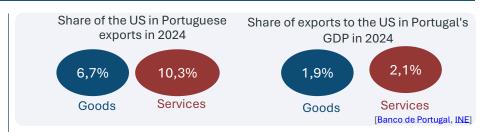
# Portugal's exposure to the US and the potential impact of tariffs

# Impact of the tariff increase shock, along with increased uncertainty/reduced confidence, on Portuguese real GDP

[Real GDP, YoY, %] [Banco de Portugal (BdP), Economic Bulletin March 2025]

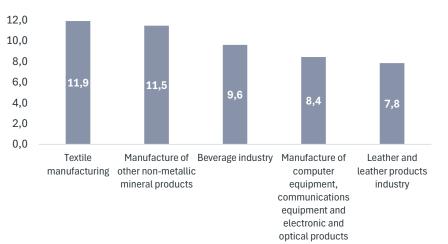


Exercise: a 25pp increase in tariffs imposed by the US, particularly on goods imported from the European Union (EU), accompanied by retaliation of equal magnitude by the affected countries. This tariff increase could result in a cumulative contraction of the euro area GDP between 0.5% and 0.7% after three years, with a more significant impact in the first year. The results obtained for Portugal are similar for the Euro Area, showing a reduction in GDP of around 0.7% after three years, with a greater concentration in the first year. In addition to the direct effect of tariffs on economic activity in Portugal, an additional shock of uncertainty and confidence was considered, with a negative impact on private consumption and investment. The overall impact of the shocks considered points to a cumulative reduction in GDP of around 1.1% at the end of three years, with the effects concentrated in the first two years.





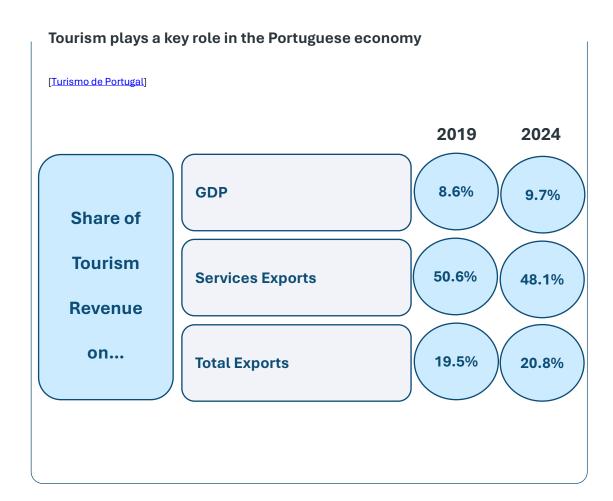
[% of exporting companies in the sector] [BdP, Economic Bulletin March 2025]

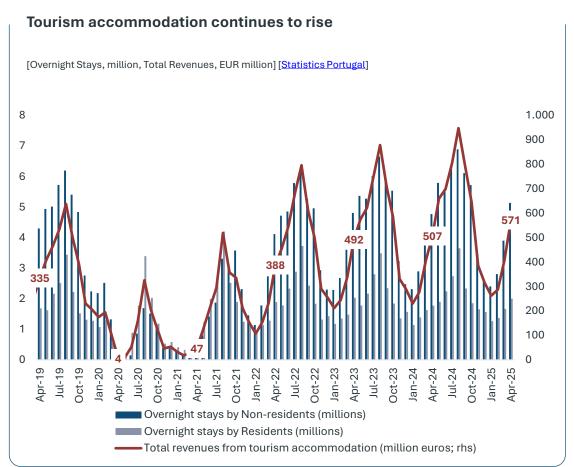


Manufacturing companies that export to the US. High exposure – goods exports to the US account for more than 10% of total sales value. In 2023, the exports of high-exposure companies represented, respectively, 76%, 82%, 34%, 75%, and 69% of the total exports to the US in each of the five represented sectors.

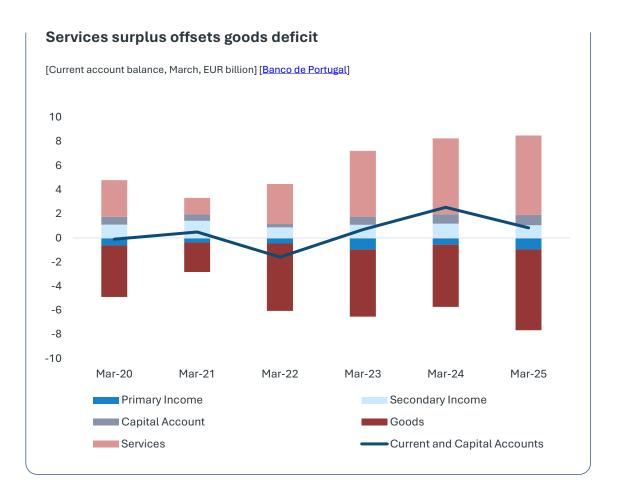


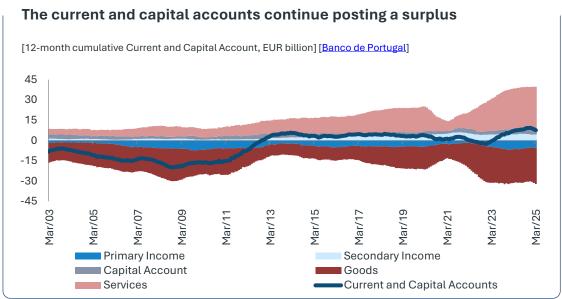
# Tourism maintains an upward trajectory, surpassing historical highs





# Dynamism of export sector contributes to consolidation of current account surplus

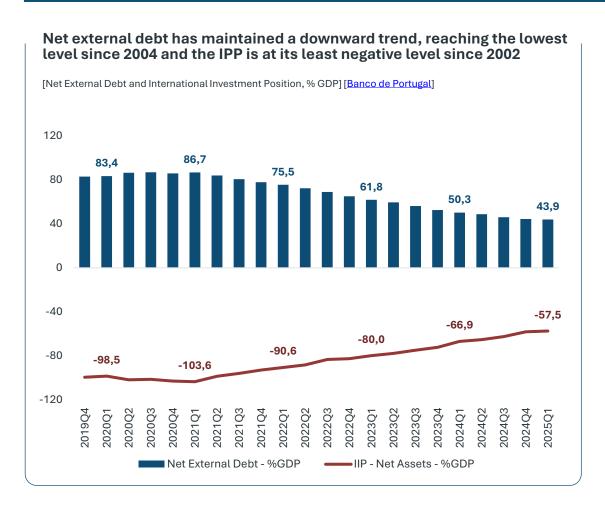


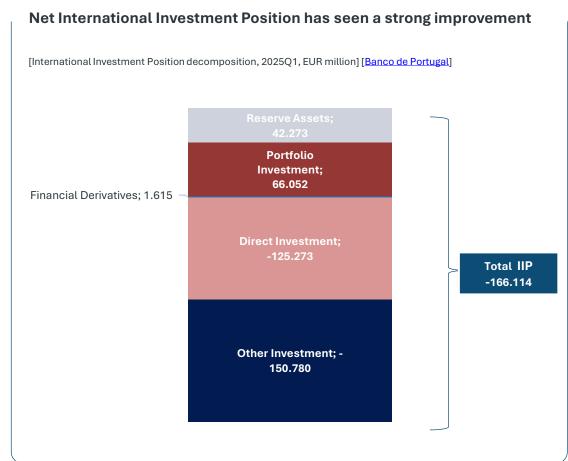


# Current account surplus is forecast to continue [IMF (World Economic Outlook, April 2025)] 2024 2025 2026 2027 2028 2029 Current Account (% GDP) 2.2% 1.7% 1.5% 1.6% 1.4% 1.5%

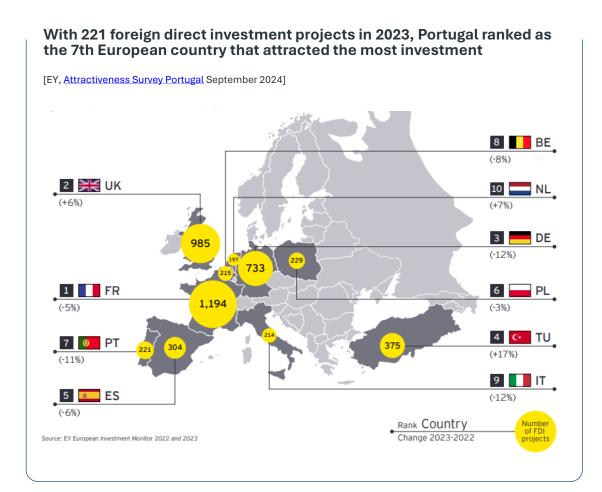


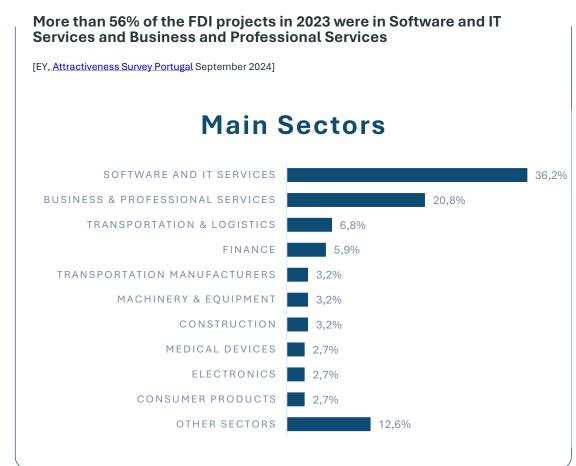
# Portugal is improving its external position, confirming the positive structural change





# In 2023, Portugal was in the Top-10 host European countries for FDI projects





## Foreign Direct Investment attractiveness

#### **BUSINESS ENVIRONMENT**

Strategic location, solid infrastructure, political stability and a growing economy







Political Stability and Absence #19/214 of Violence/Terrorism 2022

[AICEP, Portugal FactSheet October 2024 and Why invest in Portugal]

#### **TALENT**

Highly qualified human resources: high share of tertiary education in new generations; known for strong language skills and adaptability







[AICEP, Portugal FactSheet October 2024 and Why invest in Portugal]

#### **DIGITAL TRANSFORMATION**

Strong tech infrastructure and innovation makes Portugal a hub for international companies and

**R&D INTENSITY 2022** (1.7% OF GDP) R&D expenditure as a % of GDP #12/EU27

**Digital Economy and Society** Index 2022 #15/EU27



Source: Eurostat

In 2023, Lisbon was considered the 1st European Capital of Innovation and the #8 Startup Hub in Europe.

Sources: European Innovation Council, 2023 and Startup Heatmap Europe, 2024

[AICEP, Portugal FactSheet October 2024 and Why invest in Portugal]

#### **ENVIRONMENTAL SUSTAINABILITY**

Sustainability is a cornerstone of future growth. Portugal leads in renewable energy and is becoming a hub for green innovation

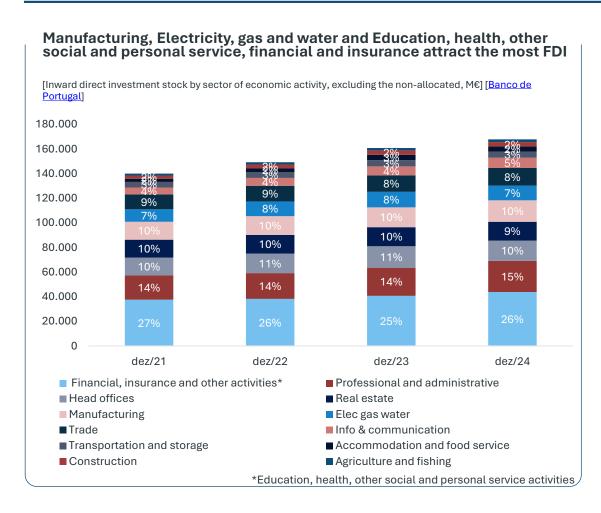
2024 **CLIMATE CHANGE** PERFORMANCE INDEX (WORLDWIDE) #13/67

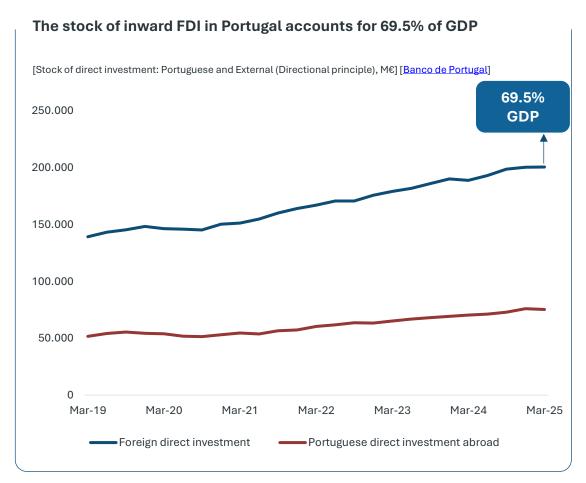
2023 **GREEN FUTURE** INDEX (MIT) #18/76

2022 Rank on the global role to Planet & Climate domain (Good Country Index) #22/169

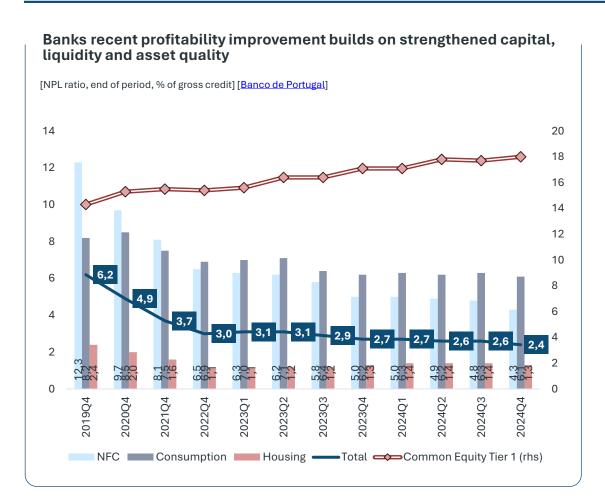
[AICEP, Portugal FactSheet October 2024 and Why invest in Portugal]

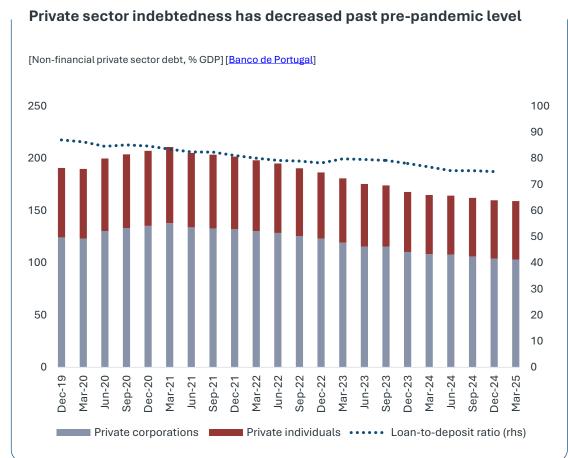
# **Inward FDI flows growing in various sectors**



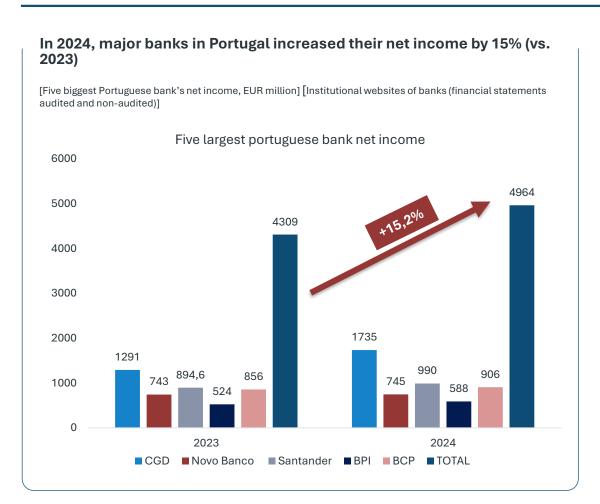


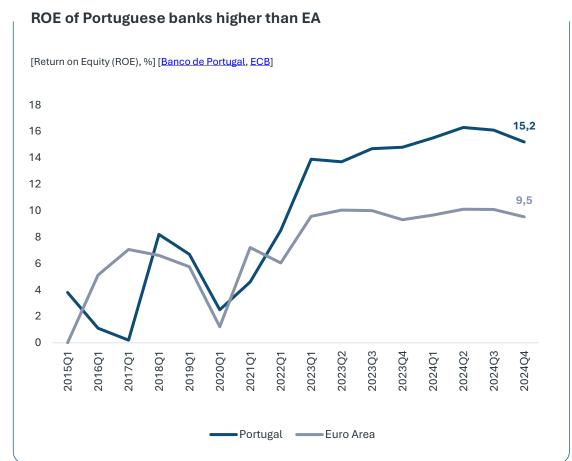
## Stronger banking sector and deleveraging in the private sector



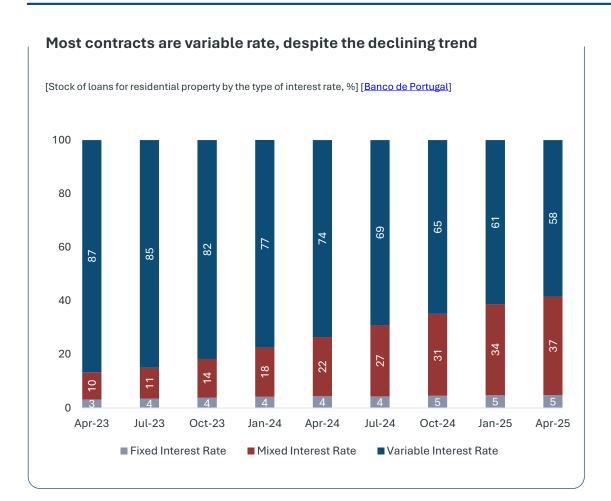


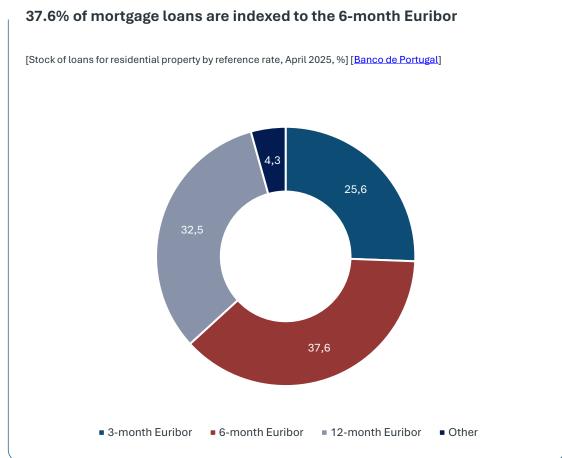
# Recovery of net interest income pulled up profits of the banking sector



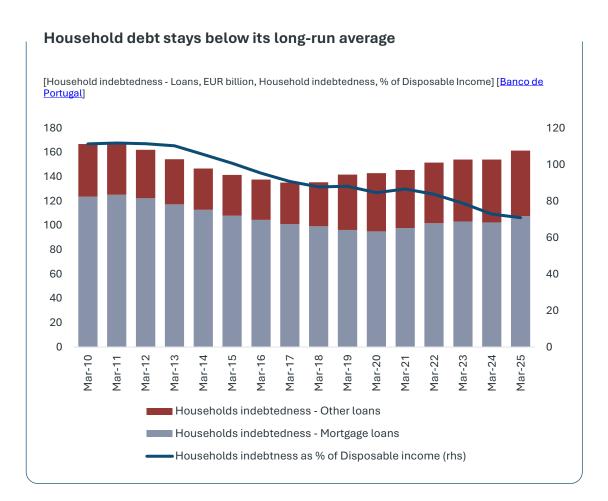


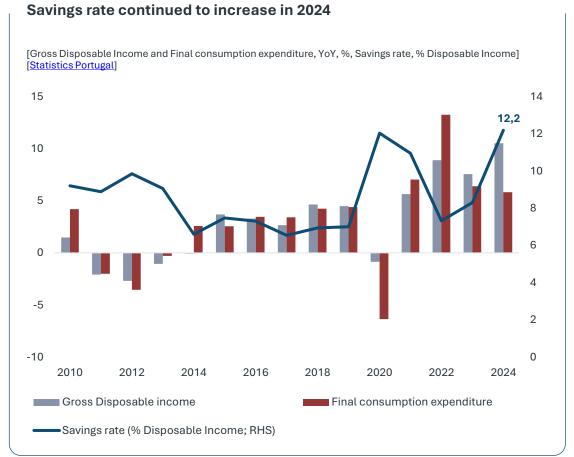
# Most residential property loans in Portugal are indexed to Euribor



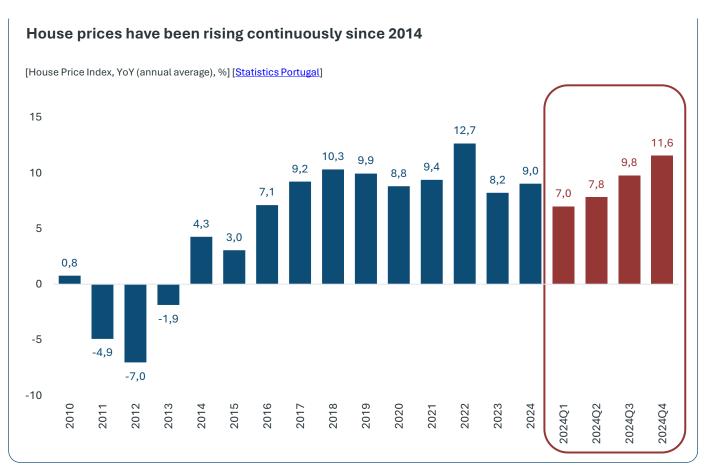


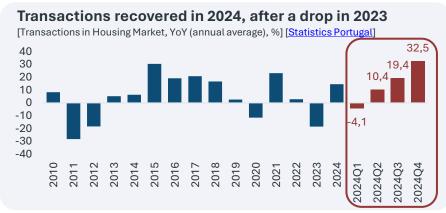
#### The financial situation of households remains solid

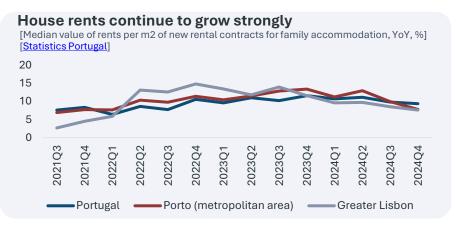




# Residential market indicators continue to demonstrate dynamism







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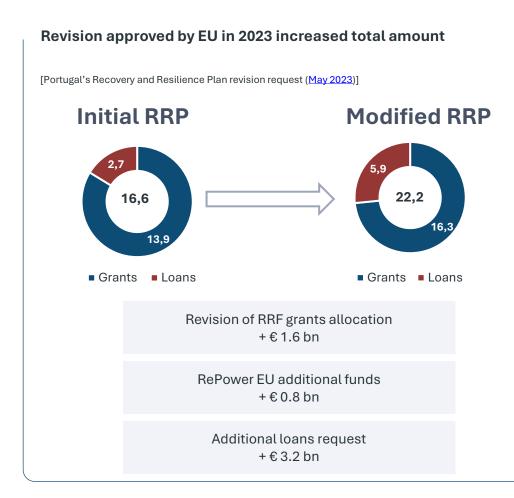
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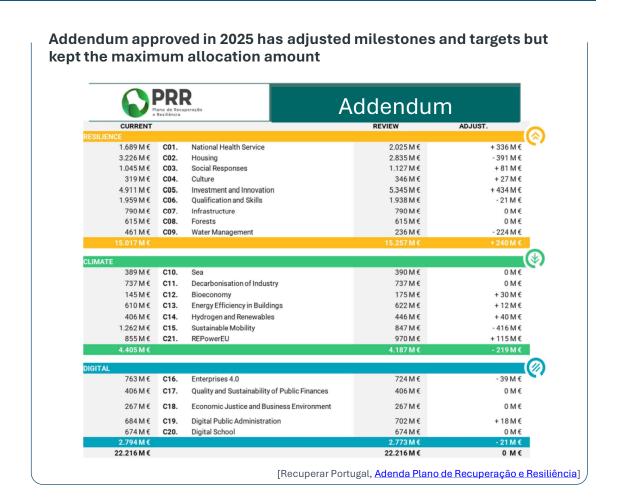
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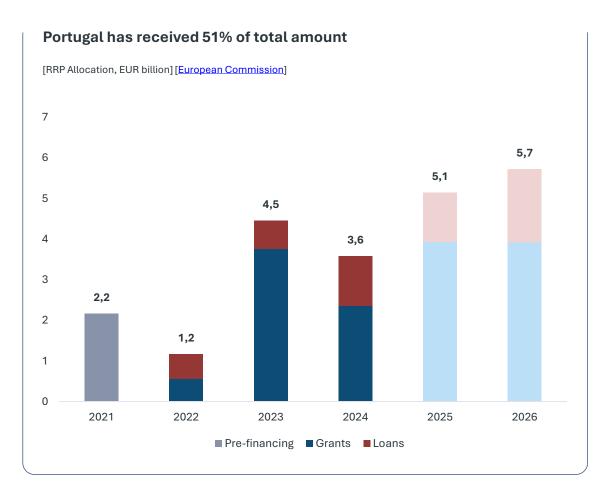


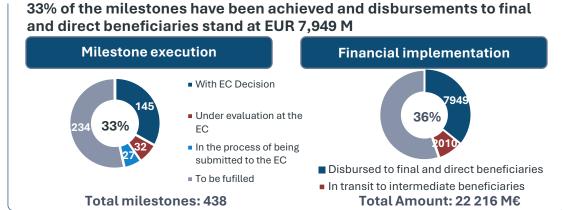
# Adjustments to the Recovery and Resilience Plan

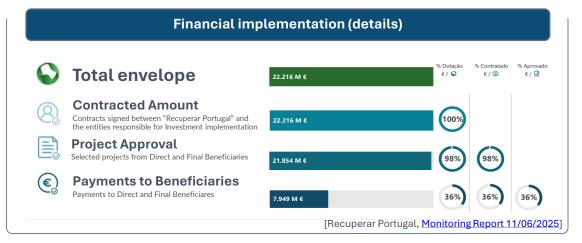




# Implementation of NGEU funds is advancing, with five disbursements already having been received

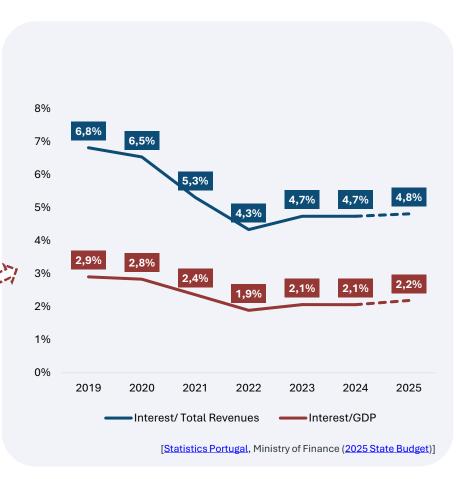






# Breakdown of Fiscal Balance shows improvement, sustaining robust primary surpluses

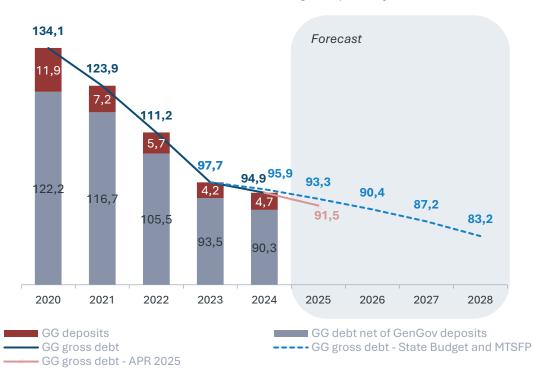
General Government Accounts	2023	2024	2025F	2023	2024	2025 F	2024/2023	2025/2024
(Accrual basis)	EURbn	EURbn	EUR bn	% GDP	% GDP	% GDP	у-о-у	у-о-у
Total revenue	116,6	124,0	133,8	43,5	43,5	45,5	6%	8%
Current revenue	113,5	121,5	127,6	42,4	42,6	43,3	7%	5%
Current taxes on income and wealth	28,5	29,5	29,4	10,6	10,3	10,0	4%	0%
Taxes on production and imports	38,7	41,5	43,2	14,4	14,6	14,7	7%	4%
Social contributions	32,8	35,9	37,9	12,2	12,6	12,9	9%	5%
Sales	8,4	8,9	9,1	3,1	3,1	3,1	6%	3%
Other current revenue	5,2	5,8	8,0	1,9	2,0	2,7	12%	39%
Capital revenue	3,1	2,5	6,2	1,2	0,9	2,1	-21%	153%
Total expenditure	113,4	122,0	132,9	42,3	42,8	45,2	8%	9%
Current expenditure	102,9	112,2	118,6	38,4	39,3	40,3	9%	6%
Social benefits	46,9	51,8	53,3	17,5	18,2	18,1	10%	3%
Compensation of employees	27,9	30,3	32,0	10,4	10,6	10,9	8%	6%
Interest	5,5	5,9	6,4	2,1	2,1	2,2	6%	10%
Intermediate consumption	13,9	14,9	16,2	5,2	5,2	5,5	7%	8%
Subsidies	2,2	2,1	2,0	0,8	0,8	0,7	0%	-8%
Other current expenditure	6,5	7,2	8,7	2,4	2,5	3,0	11%	21%
Capital expenditure	10,5	9,7	14,3	3,9	3,4	4,8	-7%	46%
<b>Gross Fixed Capital Formation</b>	7,0	7,8	10,9	2,6	2,7	3,7	10%	41%
Other capital expenditure	3,5	2,0	3,3	1,3	0,7	1,1	-42%	68%
Overall Balance	3,2	2,0	0,9	1,2	0,7	0,3		
Primary Balance	8,8	7,9	7,3	3,3	2,8	2,5		



## Commitment to fiscal prudence continues to take public debt ratio lower

# Debt-to-GDP ratio spiked to a maximum in 2020, but the pre-Covid downward trend resumed in 2021 anchored in favorable metrics

[Maastricht debt, % GDP] [Statistics Portugal, Banco de Portugal, Ministry of Finance (2025 State Budget and Medium-Term Fiscal – Structural Plan 2025-2028 and Annual Progress Report 2025]



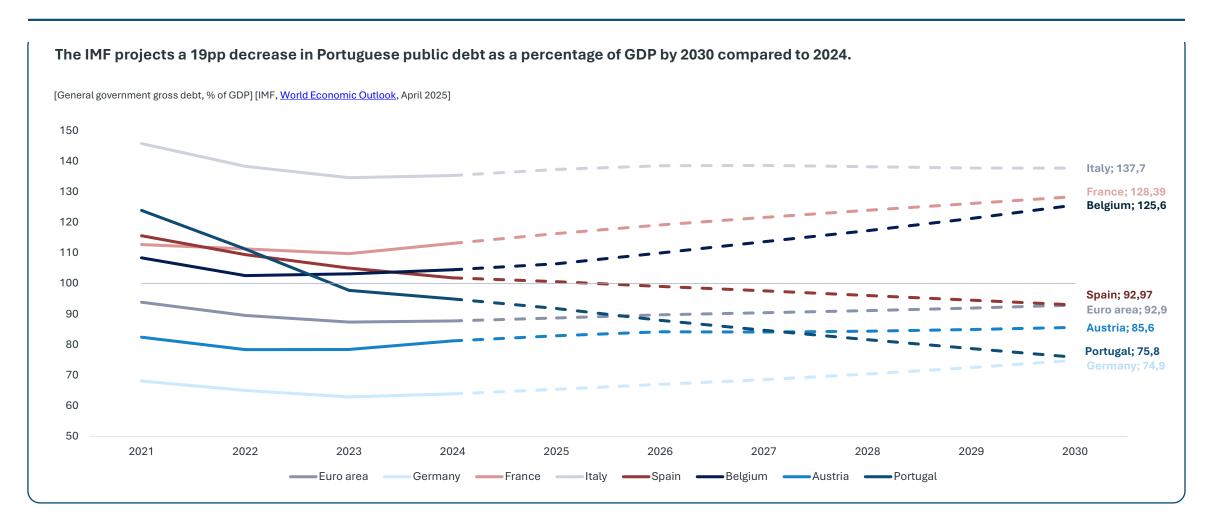
#### Downward trend of debt is expected to continue

[Public Debt Dynamics] [2025 State Budget , Medium- term Fiscal- Structural Plan 2025-2028 and Annual Progress Report 2025]

	2020	2021	2022	2023	2024	2025 F*	2026 F	2027 F	2028 F
Maastricht debt % GDP)	134,1	123,9	111,2	97,7	94,9	91,5	90,4	87,2	83,2
Annual change (pp GDP)	18,0	-10,2	-12,6	-13,5	-2,8	-3,4			
Primary balance effect	2,9	0,5	-1,6	-3,3	-2,8	-2,4			
Snowball effect	10,6	-7,2	-12,1	-7,9	-3,9	-2,5			
Interest costs	2,8	2,4	1,9	2,1	2,1	2,2			
Nominal GDP	7,8	-9,6	-13,9	-9,9	-5,9	-4,7			
Stock-flow adjustments	4,5	-3,5	1,0	-2,3	3,8	1,5			
Nominal GDP growth rate (yoy)	-6,3	7,7	12,7	9,8	6,4	5,2			
Overall fiscal balance (%GDP)	-5,8	-2,8	-0,3	1,2	0,7	0,3			
Primary balance (%GDP)	-2,9	-0,5	1,6	3,3	2,8	2,4			
Interest costs (%GDP)	2,8	2,4	1,9	2,1	2,1	2,2			

\* 2025 forecast according to <u>Annual Progress Report 2025</u>

# Portugal's macro/fiscal outlook reflected in downward trend of public debt



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• Fiscal balance and public debt – performance and forecasts

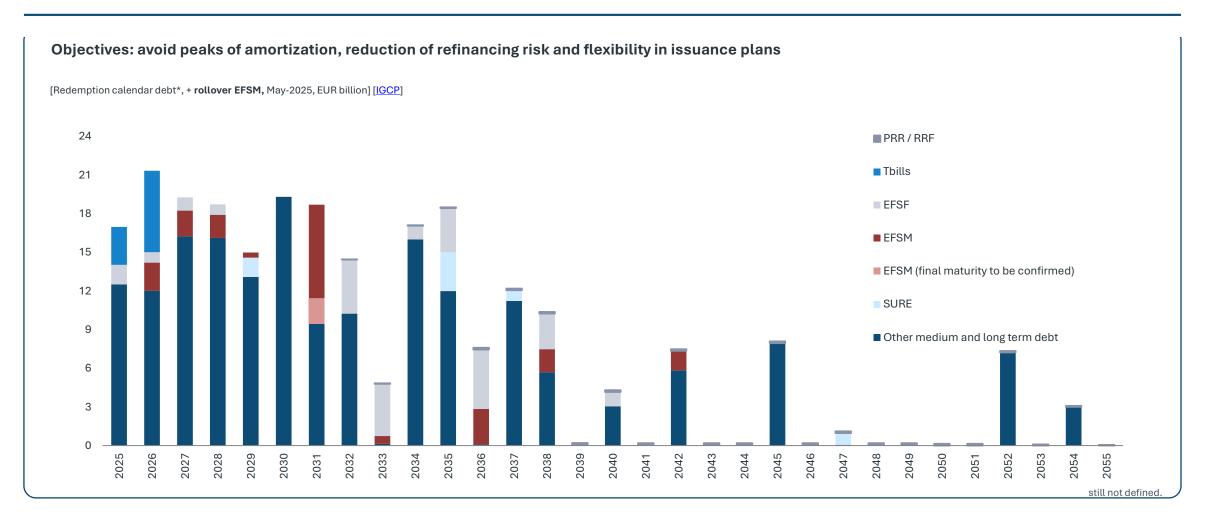
#### 4. Debt Management and Funding Plan

• Risk indicators and market developments

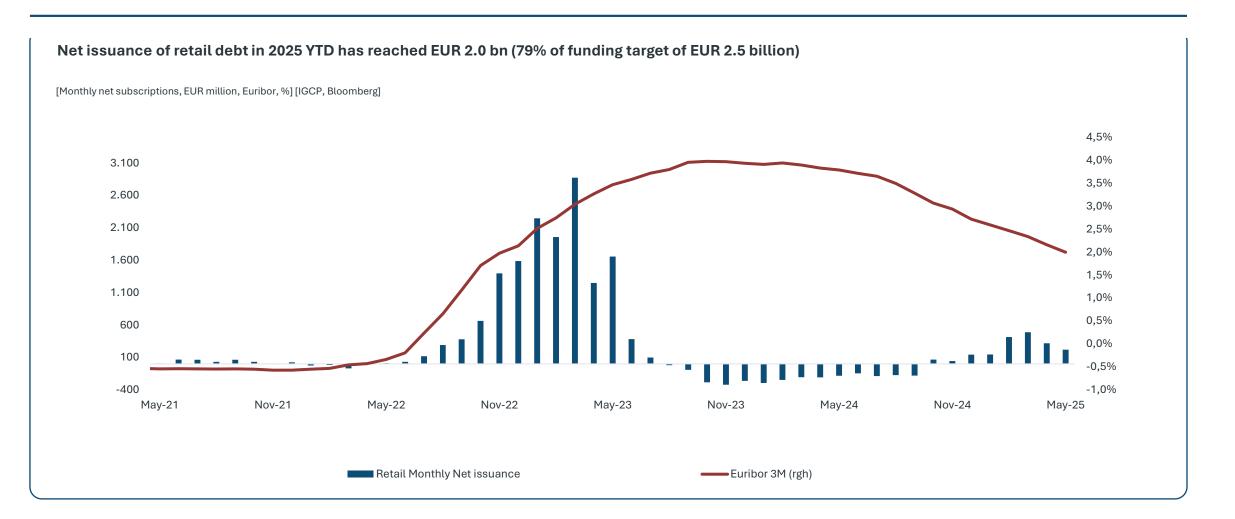
#### 5. Annex



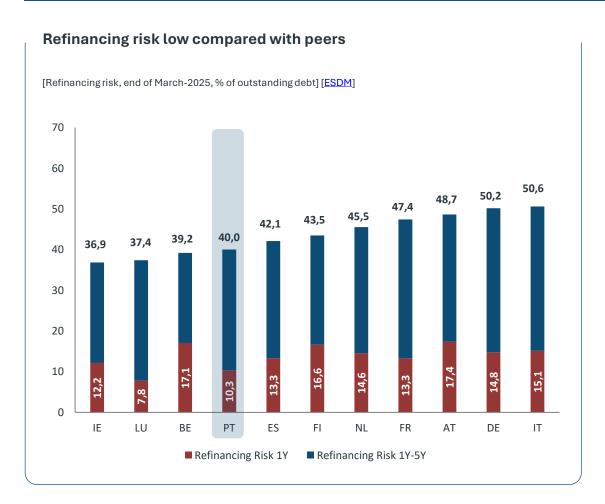
# Smooth debt redemption profile

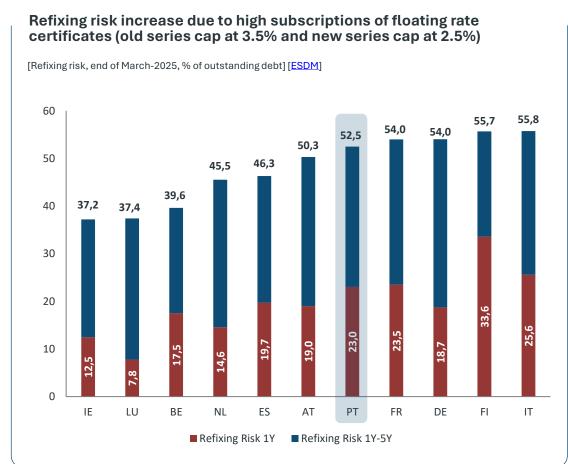


# The net issuance of retail debt certificates has turned positive in recent months

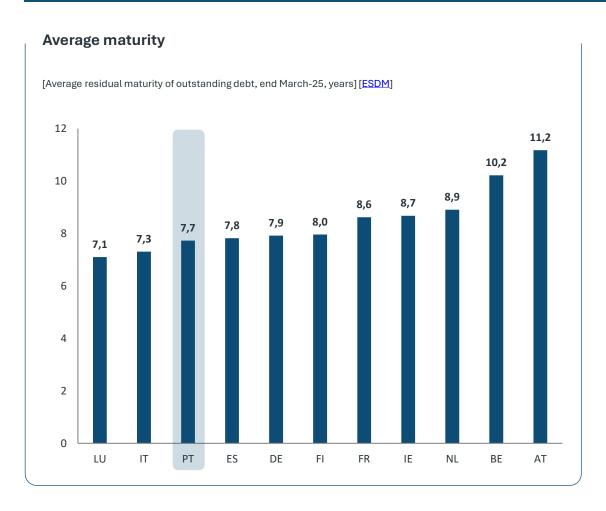


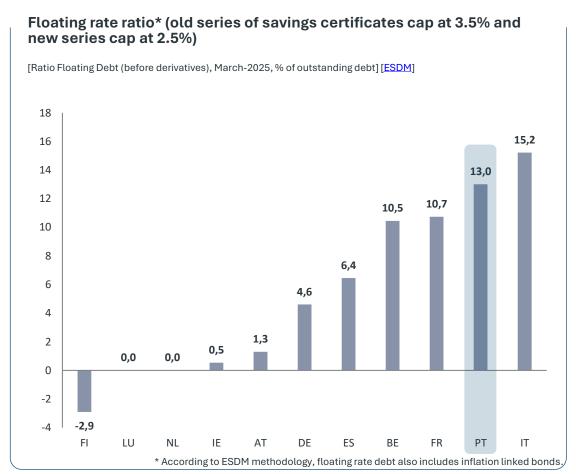
# Limited refinancing and refixing risks



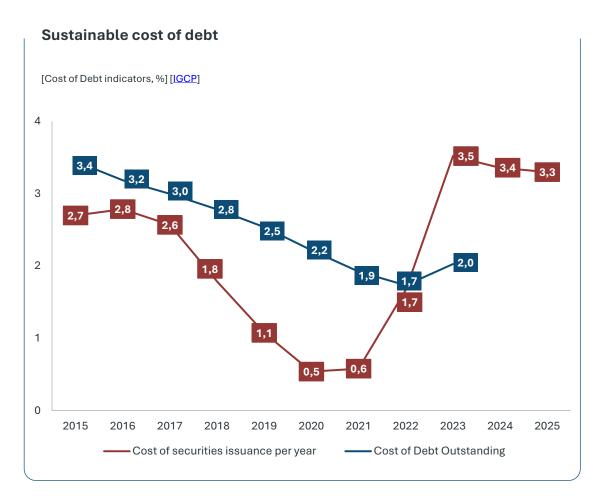


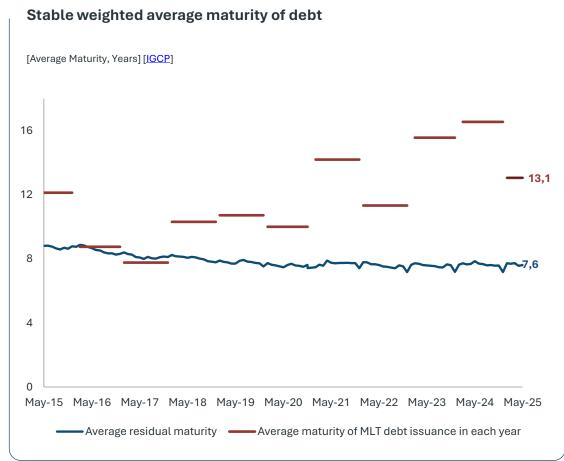
# WAM expected to stay above 7 years





# Affordability improved significantly with a stable average maturity





# Consistent and predictable funding plan with retained flexibility

# Net cash requirements of the State are projected to increase but PGB net issuance is stable in 2025

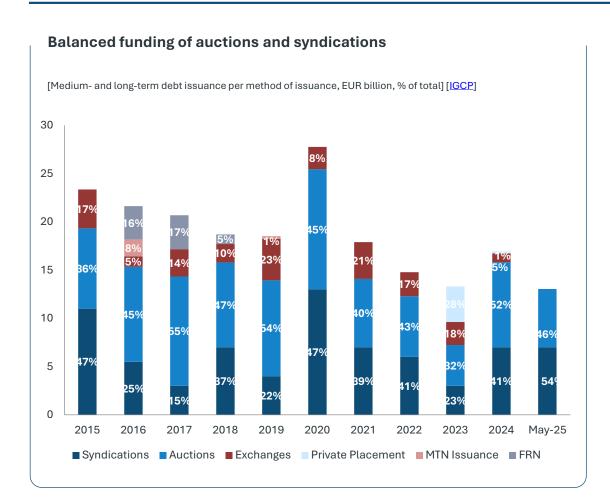
[Executed financing up to end-May; EUR billion] [IGCP, Ministry of Finance (State Budget 2025)]

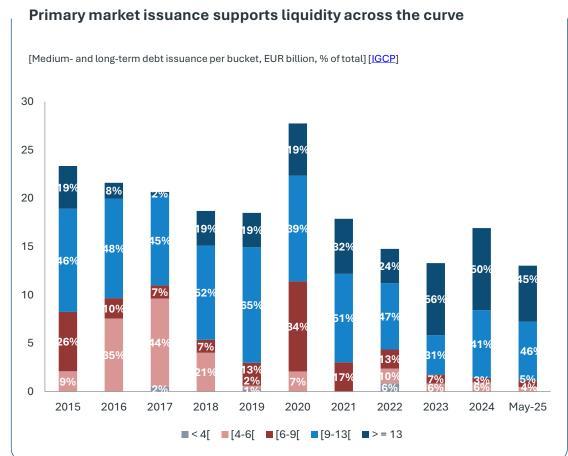
	2023	2024	2025 P
State borrowing requirements	19,8	19,6	33,0
Net financing needs	3,5	9,8	18,0
Overall deficit (a)	0,2	5,7	6,8
Net acquisitions of financial assets (b)	3,3	4,1	11,2
One-off operations			
MLT Redemptions	16,3	9,9	14,9
PGB (c)	13,6	7,4	12,4
MTN	1,1	2,4	
FRN/OTRV/Other MLT instruments			1,0
Official loans	1,5		1,5
State financing sources	19,8	19,6	33,0
Use of deposits	0,6	-0,6	-0,2
Financing in the year	19,1	20,3	33,2
Executed	19,1	20,3	15,4
EU	0,7	1,3	
PGB	9,4	15,3	12,5
MTN			
FRN/OTRV			
Retail debt (net)	10,2	-0,6	2,0
Tbills (net)	-4,6	5,7	0,9
Other flows (net) (d)	3,4	-1,4	
To be executed			17,8
EU			1,2
PGB			8,0
MTN			2,0
FRN/OTRV			1,5
Retail debt (net)			0,5
Tbills (net)			3,7
Other flows (net) (d)			0,9
State Treasury cash position at year-end (e)	5,7	6,3	6,5

#### Funding needs and financing plan in 2025:

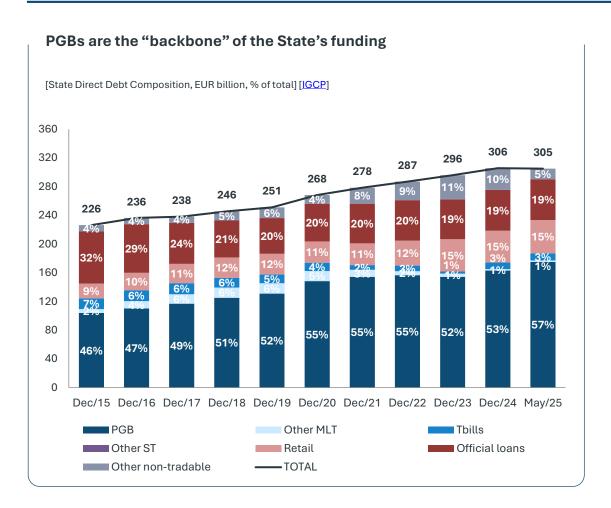
- ✓ The State's net financing needs are expected to reach EUR 18.0bn
- ✓ The medium- and long-term debt redemptions amount to EUR 14.9bn
- ✓ Issuance of:
  - PGBs: EUR 20.5bn
  - MTNs: EUR 2.0bn
  - Retail Floating Rate Bonds: EUR 1.5bn
  - T-Bills (net): EUR 4.6bn
- ✓ Disbursements under the EU Next Generation loans: EUR 1.2bn
- ✓ Cash position at end of 2025: EUR 6.5bn
- ✓ Execution of PGBs (end-May): 61%
- a) State sub-sector cash deficit (2023 and 2024 final figure and 2025 estimates from Ministry of Finance)
- b) Includes refinancing of other public entities (namely SOEs)
- c) Includes net impact of exchange offers
- d) Includes centralization of funds of other public entities in the Single Treasury Account
- e) Excludes cash-collateral.

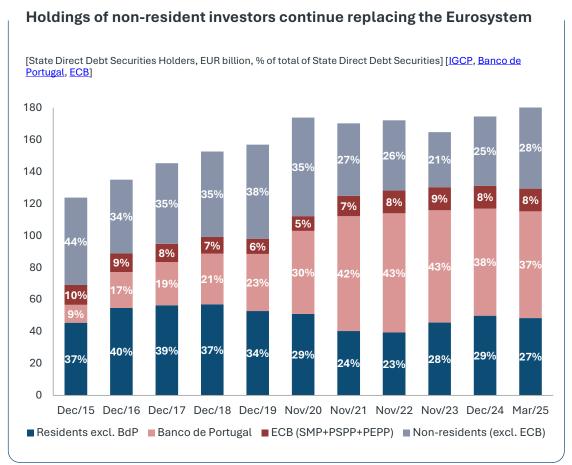
# Regular and predictable issuance of MLT instruments



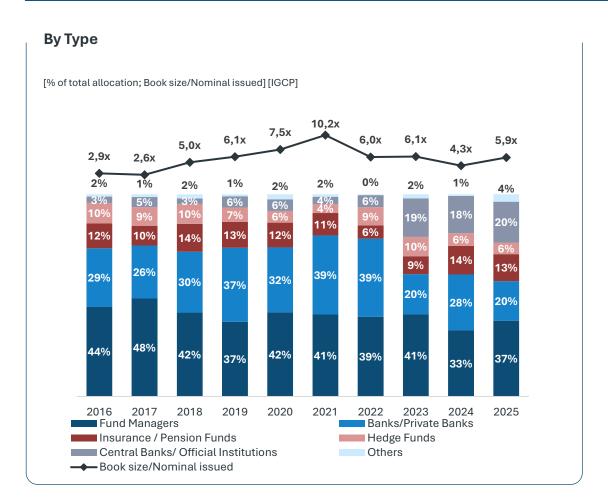


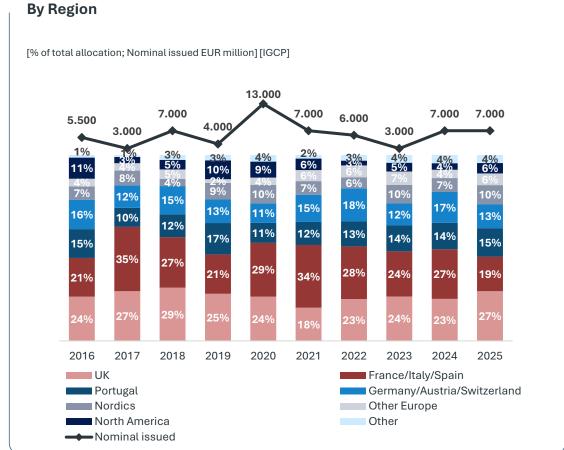
## Debt breakdown points to diversification and stability



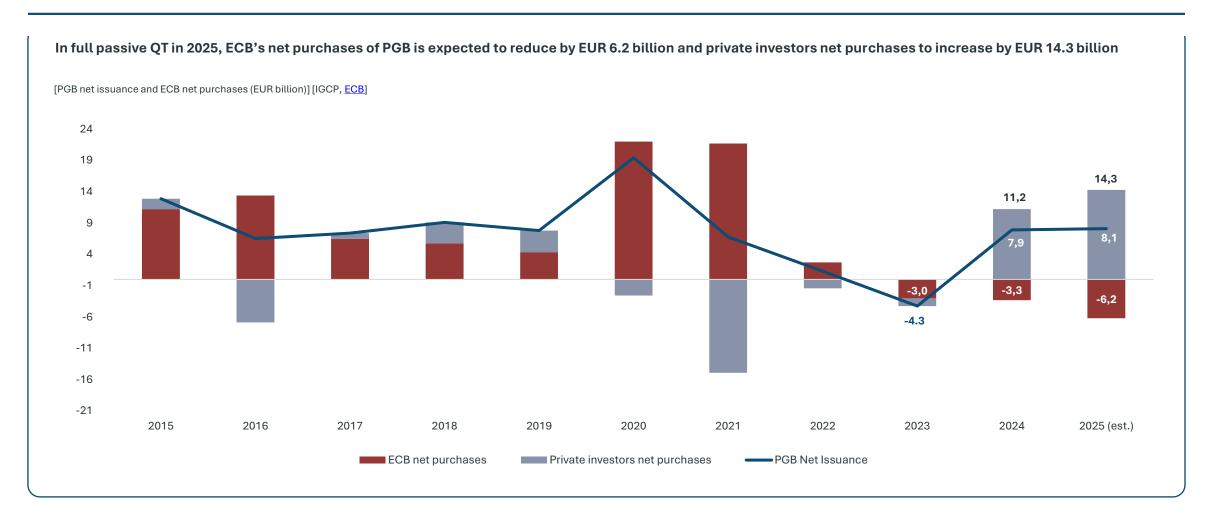


# OT syndications with a diversified and stable investor base

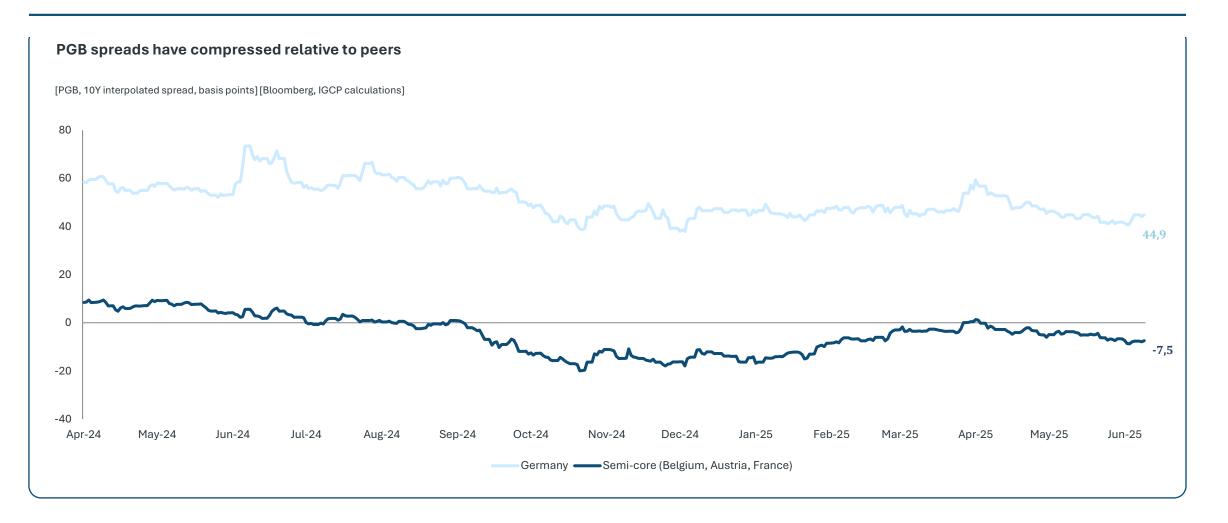




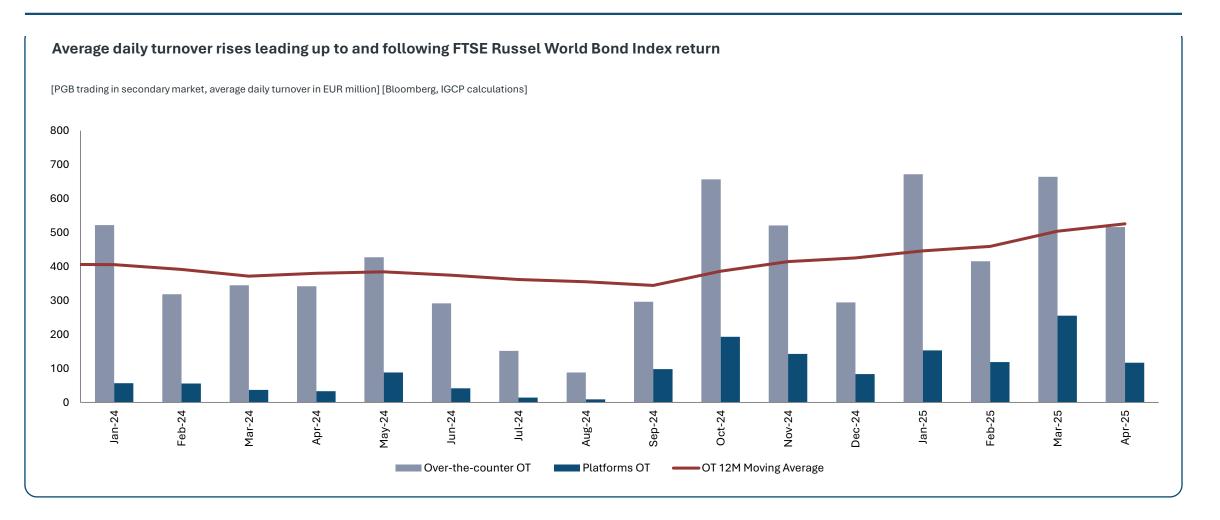
# In 2025, net issuance of PGB remains stable at around EUR 8 billion



# Portugal's convergence with the 'Semi-Core' group of countries

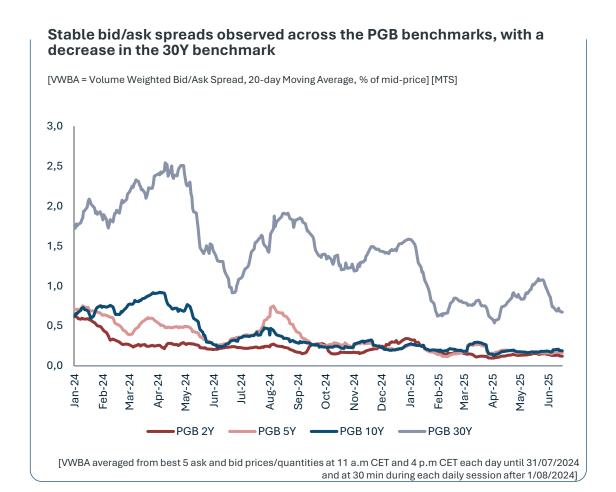


# PGB liquidity momentum extends into 2025

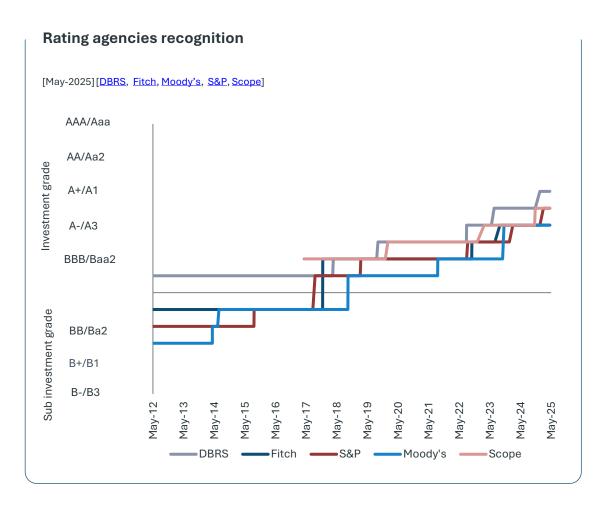


# **Secondary market liquidity on MTS**

# Bid/ask spreads on MTS remain stable for bills and have decrease for bonds [VWBA = Volume Weighted Bid/Ask Spread, 20-day Moving Average, % of mid-price] [MTS] 1,2 1,0 0,6 0,4 0,2 Mar-25 [VWBA averaged from best 5 ask and bid prices/quantities at 11 a.m CET and 4 p.m CET each day until 31/07/2024 and at 30 min during each daily session after 1/08/2024]



# Since March 2024, Portugal has been rated in the 'A' category by the major credit rating agencies



	DBRS	Fitch	Moody's	S&P	Scope
Current	( A (high) / Sta.)	( A- / Pos.)	( A3 / Sta.)	( A / Pos.)	(A/Sta.)
Sep-2023		27/Sep Upgrade to A-		8/Sep BBB+  Positive	8/Sep A-   Stable
Nov-2023			17/Nov Upgrade to A3		
Jan/2024	19/Jan A  Stable				
Feb/2024					16/feb A-   Stable
Mar/2024		22/Mar A-  Stable		01/Mar Upgrade to A-   Positive	
May/2024			17/May No rating action		
Jul/2024	19/Jul A  Positive				26/Jul A-   Positive
Aug/2024				30/Aug No rating action	
Sep/2024		20/Sep A-   Positive			
Nov/2024			15/Nov No rating action		22/Nov Upgrade to A
Jan/2025	17/Jan Upgrade to A (High)				
Feb/2025			28/Feb Upgrade to A		
Mar/2025		14/Mar A-   Positive			
May/2025			16/May No rating action		16/May No rating action
Jul/2025	18/Jul				



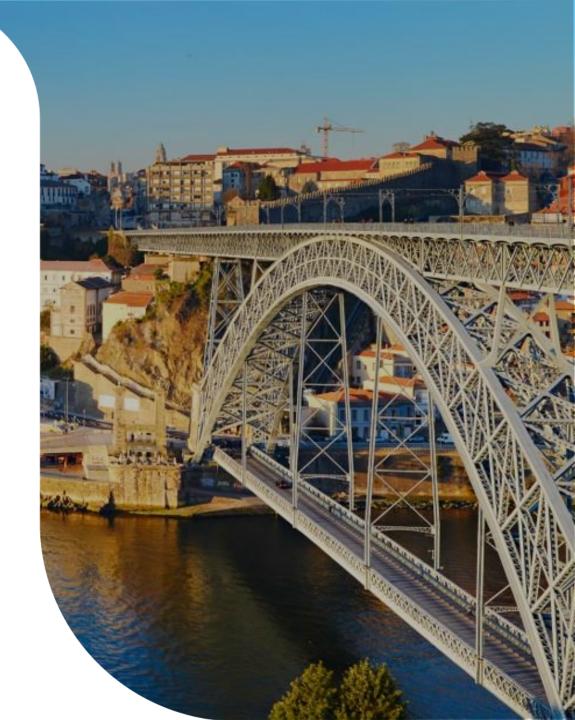
# Thank You

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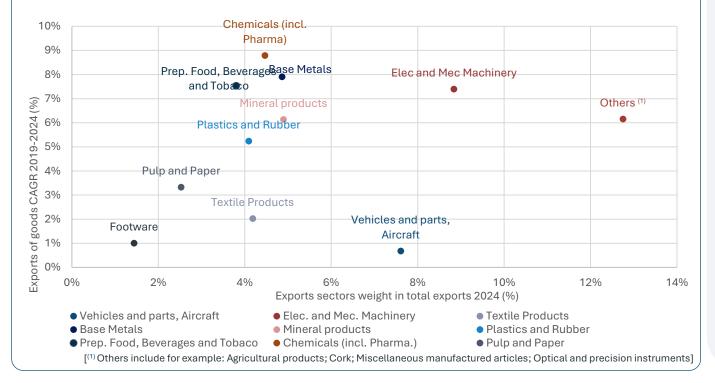
#### 5. Annex



# Portuguese exports have proven to be competitive, diversified and dynamic

# Advanced engineering (electrical & machinery) and Automotive & Mobility are two of the main exporting sectors

[Main exports by product groups as % of total exports 2024; Compound annual growth rate 2019-2024, %] [Statistics Portugal, Banco de Portugal]



- ✓ Chemicals (inc. Pharma) showing stronger growth (8.8% cagr)
  and already an exports' weight of 4.5%
- ✓ Electrical and mechanical machinery has heavier weight in total exports (8.8%) and still is demonstrating steady growth (7.4% cagr)
- ✓ Vehicles and parts & aircraft has significant weight of total exports (7.6%) but has presented slow growth (0.7% between 2019 and 2024) due to the combined effects of the Pandemic, supply chain disruptions, rising production costs and green transition

# Automotive and Mobility sector is an important industrial value chain in Portugal

#### 80% of production in the automotive industry in Portugal is exported

[AICEP, Automotive and Mobility Industry Report 2024]

#### Automotive and mobility industry in figures | 2021



**58.189** Employees

▲ 4,5%¹ (2015-2021)



€12,4B Turnover

▲ 6,5%<sup>1</sup> (2015-2021)



**€2,2B** Gross Value Added

▲ 5,7%¹ (2015-2021)

Main export indicators<sup>1</sup>

€14,8B
Exports of automotive¹
and mobility products,

**▲**3,8%

CAGR<sup>2</sup> 2018-22 of automotive and mobility industry exports 19%

Weight of automotive and mobility exports in total Portuguese exports of goods, 2022

[1 Compound annual growth rate]

- ✓ Automotive & Mobility turnover accounts for 12.1% of the manufacturing industry in Portugal
- √ 95% of the vehicles assembled in Europe have components produced in Portugal
- ✓ In 2021, Portugal was the main producer of bicycles in Europe
- ✓ The growing importance of the two-wheeler industry is observed in the increase of its turnover (27%) and GVA (16%) between 2015 and 2021
- ✓ Sector exported €14.8bn of products in 2022, with growth rate of 3.8% since 2019 and a weight of 19% in total exports

## **Internationally renowned Renewable Energy sector**

Green location, openess to innovation, safe country, highly skilled workforce, strong R&D in Renewables and energy market connectivity are some FDI attractiveness factos in sector

[AICEP, Renewable Energy Report 2024]



[<sup>2</sup> Compound annual growth rate]

- ✓ Portugal is at the EU forefront in development of green energy sources. Fourth largest share of Renewables in electricity production within the EU (61% in 2023)
- ✓ Renewable Energy sector accounted for 76.897 <sup>(1)</sup> direct and indirect jobs in 2022, demonstrating its importance in developing complementary industries (steel, metal etc.)
- ✓ Portugal expects €60bn of investment in new Renewables projects until 2030 (2)
- ✓ Important role in the production of components for renewables, having attracted relevant international players in the sector
- ✓ Europe's largest solar farm being built, covering over 100 acres and ranking #5 in the World
  - [(1) Estimate by the Portuguese Renewable Energy Association (APREN)
  - (2) According to the Portuguese Government]

# Leading in the incorporation of Renewables in electricity production

# Recognition from investment in emerging Energy sources and innovative engineering solutions

[AICEP, Renewable Energy Report 2024]

#### Portugal's Renewables main achievements

32% Share of Renewables on gross final energy consumption (DGEG), 2022

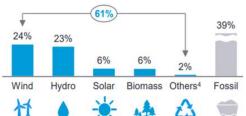
**▲12,3%** 

Reduction of the Portuguese energy dependency (DGEG), 2011-21. 61%

Share of electricity from renewable sources in total annual production (DGEG), 2022

**22**nd

Ranking on role to Planet & Climate (out of 169 countries) (Good Country Index) | 2022 Production of electricity by energy source, in Portugal (DGEG) | 2022



- √ #4/EU27 share of energy from renewable sources in gross electricity consumption (2022)
- √ #6/EU27 share of energy from renewable sources in gross final energy consumption (2022)
- √ #13/67 Climate change performing Index 2024
- √ #16/167 Overall sustainability performance (SDG achievement 2024 SDR)
- ✓ First floating offshore wind farm in Europe (project WindFloat Atlantic)
- ✓ First Iberian hybrid parks (solar + wind) EDP Renewables in Sabugal
- ✓ Largest European floating solar project in a reservoir (12.000 floating solar panels in Alqueva)
- ✓ Innovative projects in wave/tidal (WaveRoller in Peniche; Wave Centre in Pico Island of Azores)
- ✓ Re-using coal plants for the green hydrogen (€150M to adapt the former Sines' coal-fired plant as a 100 MW hydrogen production hub)

# Innovative ecosystem in the Health industry sector (Pharma & biotech, Medical Devices and E-health)

#### Health industry exports more than 50% of its production

[AICEP, Health industry Report 2024]

#### The health industry in figures | 2021 Source: Statistics Portugal 1.708 Companies ▲ 5,3%¹ (2017-2021) 17.369 **Employees** ▲ 4,8%¹ (2017-2021) €879M Gross Value Added ▲ 7,6%¹ (2017-2021) €2,2B Turnover ▲ 6,6%¹ (2017-2021) Main export indicators8 3% **▲** 16.6%

- ✓ Portugal was 5th/82 countries in the number of health researchers per million inhabitants (2022)
- ✓ The pharma & biotech industry is growing at a fast pace (7% turnover CAGR1)
- ✓ While medical devices subsector has the largest number of companies, pharma & biotech subsector surpasses in turnover and GVA
- ✓ Sector exported €2.5bn of health products in 2022, with a growth rate of 16.6% since 2018 (CAGR)

[1 Compound annual growth rate 2017-2021]