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# Summary

Irish economic & fiscal strength persists



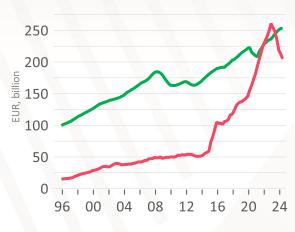




## ~2% real economic growth expected in 2024

Full employment + inflation easing off + monetary policy will help consumer

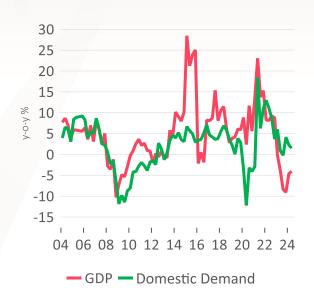




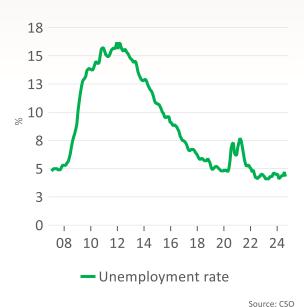
— GVA: Domestic sectors

GVA: Multinational dominated sectors





Unemployment rate is at 4.3% – hovering around full employment for some time now





Source: CSC

Source: CSO

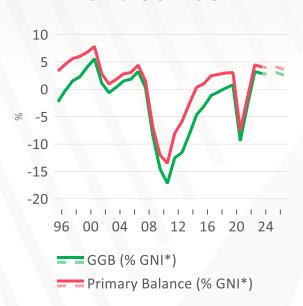
\* Modified Domestic Demand series accounts for multinational activity (technically modified final domestic demand (excl. inventories))

Note: RHS uses the standard unemployment rate during the Covid period. The Covid adjusted unemployment rate was as high as 31.5% at times between March 2020 and Feb 2022.

## Large government surplus expected

Debt metrics all improved in 2023; long term funds – FIF/ICNF established

Forecasted 2024 GG surplus (2.8%) with similar level in 2025



Debt metrics expected to improve this year

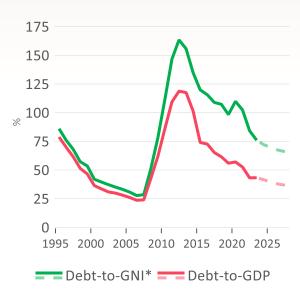
Debt-to-GNI\* (72.1% 2024f; 75.9% in 2023)

Debt-to-GG Revenue (171% 2024f; 178% in 2023)

Average interest rate (1.6% 2024f, 1.6% in 2023)

Debt-to-GDP<sup>^</sup> (41.5% 2024f; 43% in 2023)

Debt to GNI\* expected to fall given surplus and limited issuance



Source: CSO, Irish Department of Finance forecasts



#### Medium term challenges/opportunities

External environment uncertain but growth continues in US/EU/UK

## Growth

Labour market strength remains in 2024. Healthy domestic balance sheets, lower inflation and easing policy to come likely to help consumer in short term.

Slow growth in Europe is a headwind.

#### **FDI**

Risks surrounding geopolitics, deglobalisation, aggressive industrial policy and corporate taxation are medium terms concerns for a small open economy like Ireland.

Ireland being adaptive to global events is critical.

## **Funds**

Large surplus (c. 2.8% of GNI\*) expected for 2024 via exceptional CT receipts.

Two new investment funds established in legislation. Intention to save windfall tax receipts and partially alleviate future fiscal/climate challenges.



#### NTMA funding target set at €6bn for 2024

€5bn has been issued so far

#### Cash

Fiscal surplus alongside prefunding means Ireland in strong cash position.

The cash balance is expected to remain strong accounting for transfers to new sovereign funds in the coming months

#### **WAM**

Weighted average maturity of debt one of longest in Europe.

NTMA issuance since 2022 of €19bn at WAM of 15.2 years and average interest rate of 2.29%.

#### AA

Ireland rated in the AA category with all major rating agencies.

Fitch upgraded to AA in 2024 and S&P at AA. Moody's and DBRS have Ireland on a positive outlook.



# Macro

Economic growth in first half of 2024 just below 2%



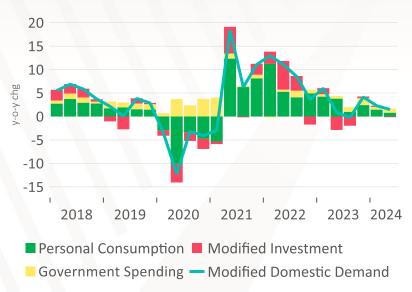




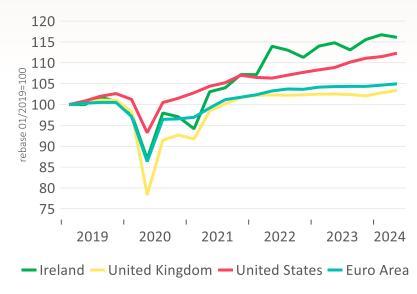
## Irish economic growth continues in 2024

Consumption and employment growth display resilience

Modified Domestic Demand increased by 1.5% annually in Q2 2024, with consumption growing by 1.3% y-o-y



Irish economic activity\* has overperformed in post-pandemic compared to major trade partners'







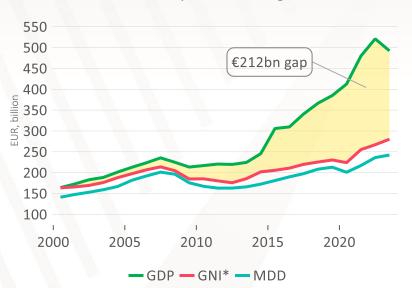


Note: MDD for Ireland is modified for multinational activity by Ireland's Central Statistics Office (CSO). MDD = Consumption + Government (current) spending + Modified Investment. Seasonal adjustment mean contributions do not always add up to MDD growth rate.

# Real GDP weak since early 2023

GDP isn't a reliable metric for Ireland, Sharp drop recently due to Industry sector (Pharma)

Real GDP declined in 2023 while measures that strip out MNE activity continued to grow



Real GVA data show that drop due largely to a decline in Industry, which includes pharmaceutical manufacturing

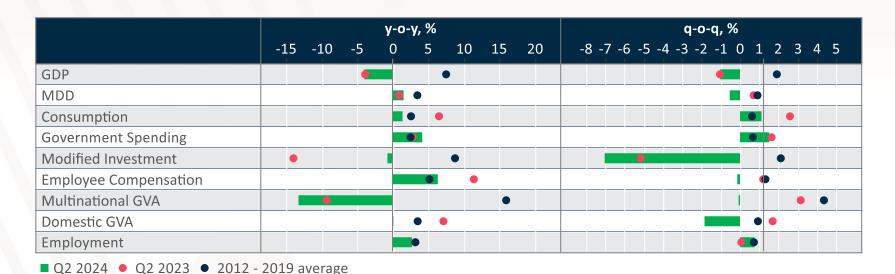




Source: CSO

#### **Moderation across activity measures**

Consumption and employment strong, investment clearly weak







## High frequency data waning over summer

Consumer confidence, tax and unemployment giving positive signals

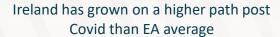
	8/22	9/22	10/22	11/22	12/22	1/23	2/23	3/23	4/23	5/23	6/23	7/23	8/23	9/23	10/23	11/23	12/23	1/24	2/24	3/24	4/24	5/24	6/24	7/24	8/24
Retail sales (ex motor)	0.3	-0.1	0.3	0.6	0.4	0.5	-0.3	0.1	0.3	0.5	1.0	-0.8	-0.3	-0.9	0.2	0.0	0.4	0.5	0.3	0.2	0.1	0.0	-0.2		
Unemployment rate	4.3	4.3	4.5	4.5	4.4	4.3	4.1	4.1	4.1	4.1	4.3	4.3	4.3	4.6	4.6	4.5	4.5	4.5	4.1	4.2	4.3	4.4	4.4	4.7	4.3
Payroll employees	0.1	0.3	0.4	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1		
Headline HICP	0.6	0.2	0.6	0.6	0.5	-0.4	0.1	0.5	0.9	0.5	0.5	0.4	0.5	0.3	0.3	-0.2	-0.1	-0.6	0.0	0.0	0.5	0.4	0.4	0.4	0.2
Core HICP	0.6	0.4	0.2	0.1	0.2	-0.1	0.4	0.6	1.1	0.8	0.6	0.5	0.4	0.0	0.1	-0.1	0.2	-0.4	0.1	0.1	0.7	0.5	0.4	0.5	
House prices	1.0	0.9	0.6	0.3	0.2	0.0	-0.2	-0.5	-0.4	-0.3	0.1	0.3	0.5	0.6	0.8	1.0	1.1	1.0	0.8	0.5	0.5	0.4	0.5		
Consumer confidence	53.4	42.1	46.1	45.3	48.7	55.2	55.6	53.9	59.2	62.4	63.7	64.5	62.2	58.8	60.4	61.9	62.4	74.2	70.2	69.5	67.8	65.7	70.5	74.9	72.0
Composite PMI	51.0	52.2	52.1	48.8	50.5	52.0	54.5	52.8	53.5	51.9	51.4	50.0	52.6	52.1	49.7	52.3	51.5	50.7	54.4	53.2	50.4	52.5	50.1	52.2	52.6
Income Tax	2.4	2.2	2.5	4.4	2.5	2.8	2.2	2.3	3.1	2.6	2.5	2.7	2.5	2.4	2.6	4.6	2.6	2.9	2.4	2.6	3.2	2.7	2.8	2.9	2.6

Source: CSO, Eurostat, ILCU, SPDJI, Irish Department of Finance



#### Ireland vs Euro Area performance

Greater growth in Ireland with a similar inflation path aided by labour force





Source: CSO, Eurostat, ECB Gníomhaireacht Bainistíochta an Chisteáin Náisiúnta

National Treasury Management Agency

#### Inflation in Ireland has fallen slightly faster than Euro Area HICP



Source: CSO, Eurostat, ECB

#### Increased labour force, especially female p. rate driven growth with less inflation



— Ireland, Participation Rate (2019 = 100)

— EA 20, Participation Rate (2019 = 100)

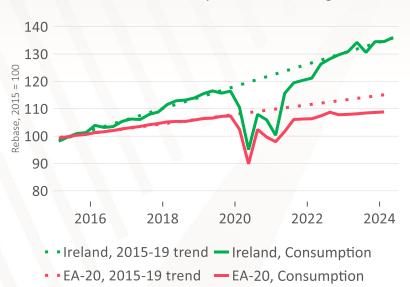
Source: CSO, Eurostat, ECB

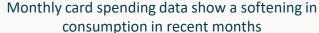
## Real spending main driver of economy

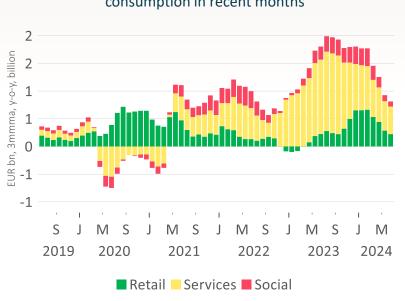
Consumption strong despite inflation, but card spending data suggest some softness

Real personal consumption back at pre-pandemic trend.

Performance outstrips euro area average







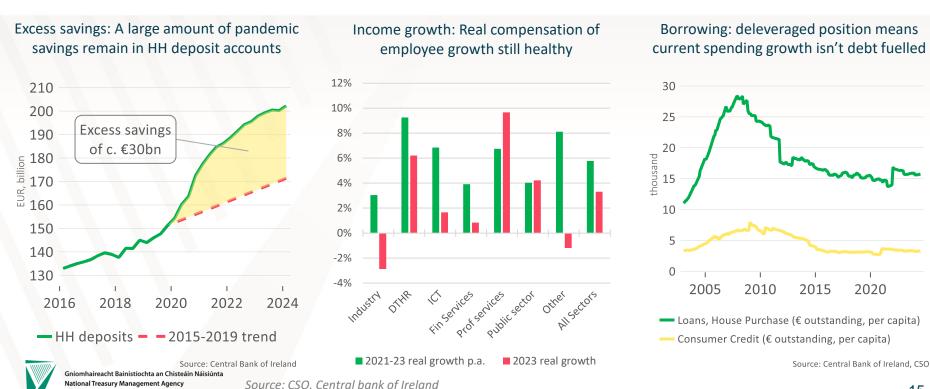






#### Basis for household consumption growth

Spending comes from savings, incomes or borrowing; Ireland in good shape across all three



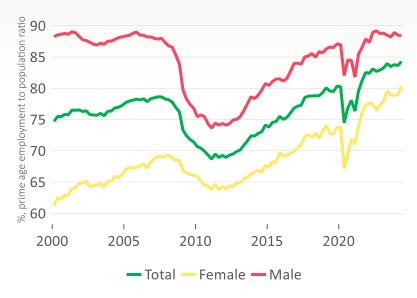
## Labour market remains strong

Unemployment rate low despite measurement volatility

Unemployment rate at 4.3% in August – has been below 5% for more than two years



Prime age employment to population ratio near peak as job growth outstrips population growth





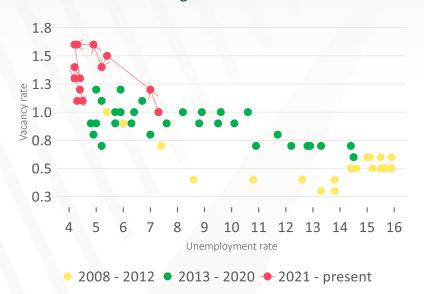
Source: CSO, Macrobond

Source: CSO

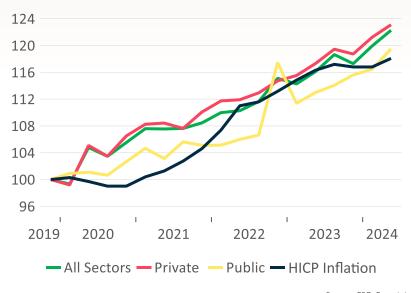
#### Labour market tightness has eased

Wages and inflation mostly in sync

Beveridge curve suggests a tight labour market that has been loosening in recent months



Earnings growth not out of line with inflation in 2019-2023, latest wage data showing real wage growth has returned





Source: CSO, Eurostat

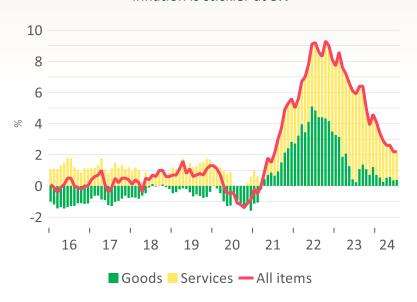
## Harmonised inflation at 1.1% (Flash)

#### Disinflation trend running ahead of EA average

Headline inflation around target, as goods inflation eases. Core inflation at 2.3%



Goods inflation easing on back of energy but CPI services inflation is stickier at 3%





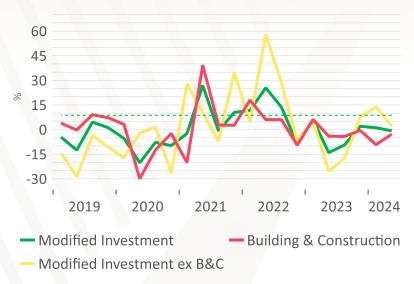




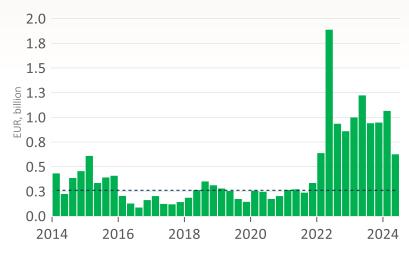
#### Investment weakness in recent quarters

Interest rate environment has slowed investment





Net imports of specialised machinery for particular industries saw huge bump in Q2 2022, led to jump in mod. investment



■ Specialised machinery net imports --- Mean, 2014-2021



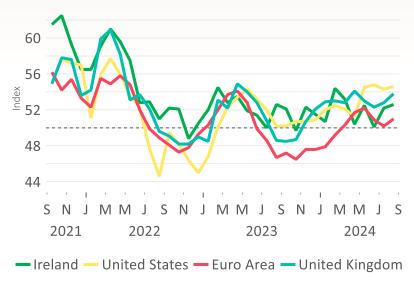
Source: CSO Source: CSO

#### **External environment in 2024**

Rate cuts likely in 2024 but modest external growth a headwind for Ireland

	2023	2024
EA Monetary Policy	Higher rates impacting activity thru credit flows	Modest cuts expected to end year
EU Fiscal Policy	Expansionary	Less expansionary
US Monetary Policy	High rates but not overtly slowing activity	Modest 2024 cuts expected
US growth	Modest growth	Trend growth
Energy prices	Prices pressure easing	Higher prices in H1
UK growth	Minimal growth	Modest growth
Euro Growth	0.5%-1% growth at best	Modest growth
Global Inflation	Disinflation trend clear	Modest disinflation

Irish PMI bouncing around above 50 line, services helping to keep PMI above 50 in developed world







#### OECD's BEPS process may impact FDI offering

Pillar Two implemented in EU this year, Pillar One progress has been slow

Pillar One: proposal to re-allocate taxing rights on non-routine profits

- ▶ The first pillar seeks to address taxing rights. It reallocates 25% of MNE's excess profit\* from jurisdictions where companies reside to the markets where user/consumers are based.
- ▶ This is to keep pace with digitalisation of the economy where sales can take place without taxable presence in market jurisdiction.
- Pillar 1 will reduce Ireland's corporation tax base. Some estimates place the hit at c. €2bn per annum by 2026.
- ▶ Ireland has always been fully supportive of Pillar One despite the implied cost to the Exchequer.
- Near final text of rules published, open for signature in 2024, ratification could take longer

Pillar Two: 15% minimum effective global tax rate

- ▶ Countries will introduce a minimum effective tax rate with the aim of reducing incentives to shift profits.
- ▶ Where income is not taxed to the minimum level, there will be a 'top-up' to achieve the minimum rate of tax.
- ▶ The EU have agreed a directive to implement the 15% rate in 2024. The impact on tax will not be seen until 2026 however.
- ▶ Ireland's rate will remain one of the lowest in EU and will continue to be competitive. The R&D tax credit enhanced in Budget 2024 to maintain net benefit for businesses.
- Ireland can lean on other positives; educated and young workforce, English speaking, EU access, and ease of doing business.



# **Fiscal**

Large surplus in 2024 due to continued corporate tax strength FIF/ICNF established



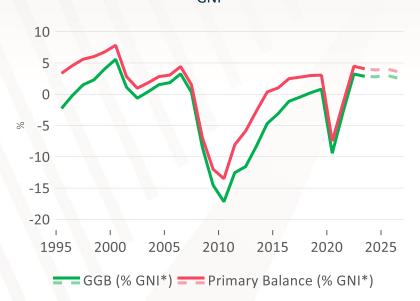


Gníomhaireacht Bainistíochta an Chisteáin Náisiúnta National Treasury Management Agency

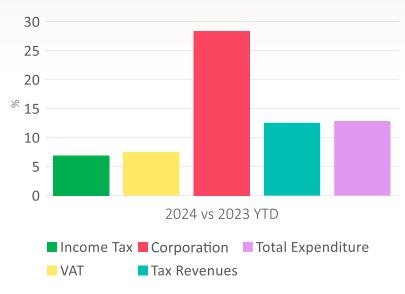
#### Fiscal surplus in Ireland

Robust CT revenues mean surpluses expected despite increases in expenditure

2024 General Government surplus expected to be c. 2.8% of GNI\*



Income tax and VAT both up c.7-7.5% this year, huge CT growth, large jump in gross voted expenditure (+13%)



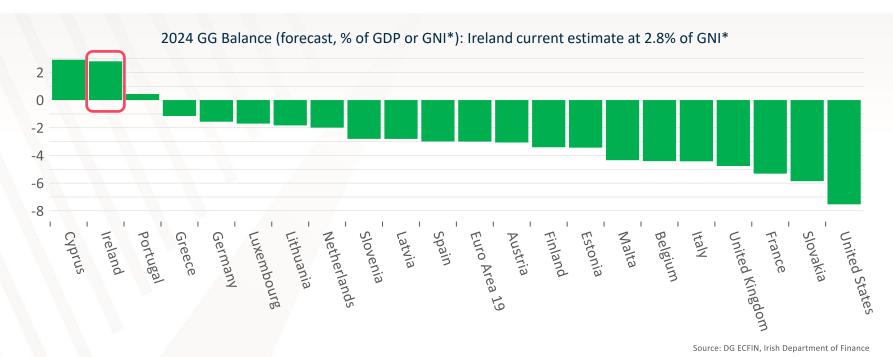


Source: CSO, Irish Department of Finance forecasts

Source: Irish Department of Finance

## Surplus compares well to others

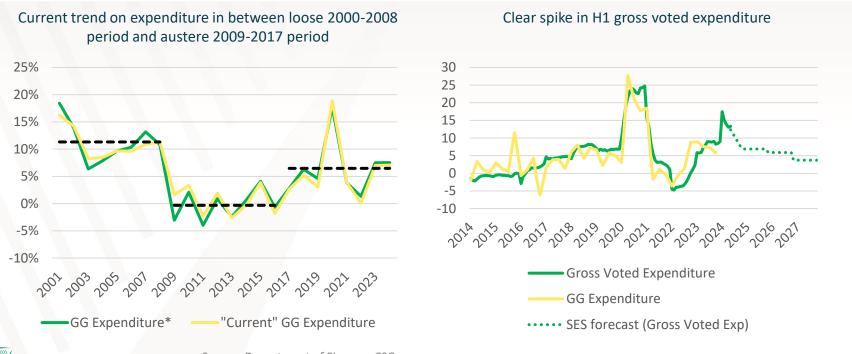
Recovery in fiscal position evident, question arises to how to manage such surpluses





#### Expenditure has spiked in 2024

Latest forecasts expect growth to remain above 5% spending rule out to 2025

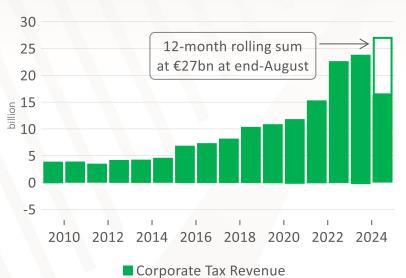


Source: Department of Finance, CSO

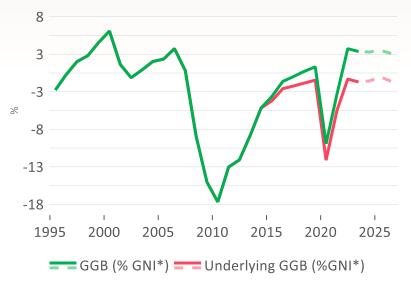
#### Corporate tax – strong growth but concerns

Government to place excess receipts in two new sovereign investment funds (FIF/ICNF)

CT revenue was €23.8bn in 2023 and double 2020 level – 12-month rolling sum suggests another strong year in 2024



Underlying GGB suggests Ireland would be in deficit in 2024 if excess Corporate Tax excluded (-0.9% of GNI\*)





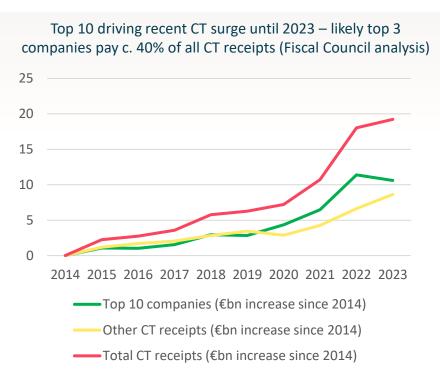
Source: Irish Department of Finance, NTMA calculations

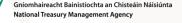
Source: CSO, Irish Department of Finance forecasts

#### Multinationals at core of CT payments

Manufacturing the top driver in CT but chemical and pharma fell versus 2022

CT paid (€m)	2023	vs. 2022
Manufacturing	9,073*	-1,005
ICT	4,131	-53
Fin and Insurance	3,593	+895
Wholesale, retail	2,700	+408
Admin and Support	1,609	+410
Prof, Sci, Tech	844	+184
Construction	543	+74
Mining, Quarry, Utilities	327	+23
Other	1,021	+261





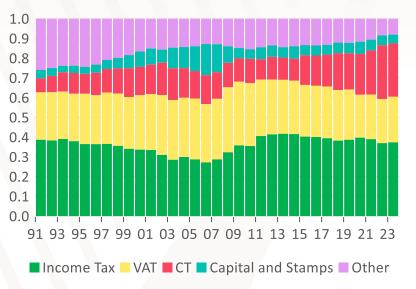
Source: Revenue Report 2024

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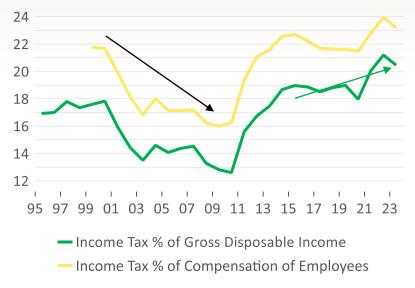
#### **Corporate tax – critical revenue source**

CT accounts for 27% of tax receipts, it was 11% a decade ago

CT accounts for 27% of tax receipts and will grow in 2024; spillover into income tax and VAT from MNC employees



Income tax base was narrowed massively in early 2000s; In recent years we have seen no such narrowing





Source: CSO, Irish Department of Finance

#### New funds are a mitigant to excess CT risk

Two new funds established in legislation, awaiting commencement

#### Future Ireland Fund (FIF)

Infrastructure, Climate and Nature Fund (ICNF)

- ▶ The FIF will be a long-term savings fund which intends to contribute to exchequer expenditures in the decades to come (e.g., population ageing, the digital and climate transitions).
- ▶ The intention is for 0.8% of GDP (c. €4-6bn per annum) to be transferred to the FIF each year out to 2035.
- To start, €4bn of €6bn in the National Reserve Fund (NRF, or Rainy Day Fund) will be transferred into FIF.
- In time, the Government suggest as much as €100bn could reside in the FIF.
- ▶ The Funds are to be managed and controlled within the NTMA.

- ▶ The ICNF's mandate is to help the state meet its considerable infrastructure and green climate needs.
- ▶ In the past, Ireland has fallen into the trap of cutting capital investment in downturns. This fund will act as a reserve to be drawn on for capital expenditure if a downturn arises.
- ▶ To start the fund off, the remaining €2bn in the NRF will be transferred into the ICNF. From 2025 to 2030, €2bn a year will be transferred into the ICNF from the Exchequer.
- ▶ There will be clear rules on how money can be drawdown with Irish Fiscal Advisory Council likely to play a role.
- ▶ A portion of the ICNF can be drawn down if needed to help meet climate and nature targets.



## Debt to GNI\* likely falling to low 70s in 2024

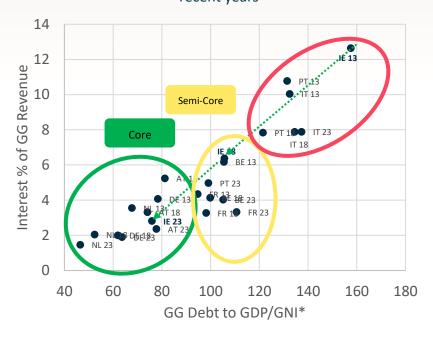
GG debt to GNI\* to fall on nominal growth and surplus position

Debt to GNI\* currently at 76%; low debt to GDP means proposed EU fiscal rules won't impact Ireland





Ireland's debt fundamentals have moved into "core" space in recent years



#### **Alternative Debt Metrics**

Need to assess other metrics apart from debt to GDP when analysing debt sustainability 2024

	GG debt to GDP %	GG debt to GG revenue %	GG interest to GG revenue %
Greece	154	317	7.1
Italy	139	294	8.4
France	112	217	3.9
Spain	106	242	5.8
Belgium	105	207	4.2
UK	104	247	7.0
Portugal	96	218	4.9
EA 19	90	193	4.0
EU 27	82.9	180	4.0
Austria	78	156	2.7
Ireland	41 (72 GNI*)	172	2.8
Cyprus	71	163	3.2
Slovenia	68	151	3.1
Germany	63	135	2.0
Slovakia	58	141	3.2
Netherlands	47	110	1.6



# **NTMA Funding**

2024 funding to be complete with €1bn auction in September





#### NTMA funding target set at €6bn for 2024

€5bn has been issued so far

#### Cash

Fiscal surplus alongside prefunding means Ireland in strong cash position.

The cash balance is expected to remain strong accounting for transfers to new sovereign funds in the coming months

#### WAM

Weighted average maturity of debt one of longest in Europe.

NTMA issuance since 2022 of €19bn at WAM of 15.2 years and average interest rate of 2.29%.

#### AA

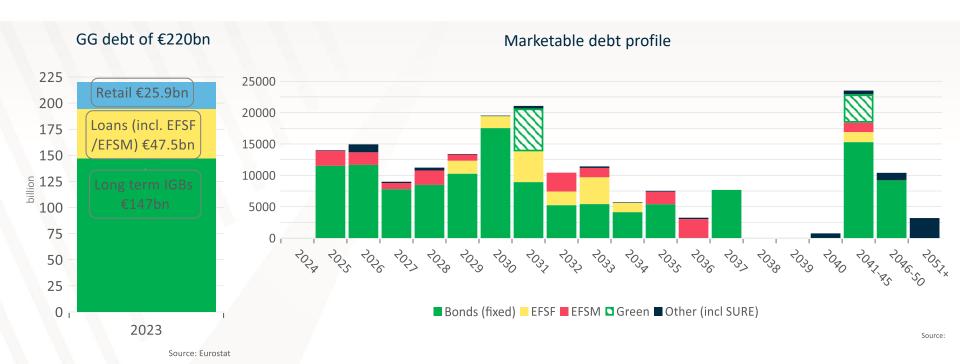
Ireland rated in the AA category with all major rating agencies.

Fitch upgraded to AA in 2024 and S&P at AA.
Moody's stable at Aa3 and DBRS have Ireland on a positive outlook.



#### **Smooth maturity profile**

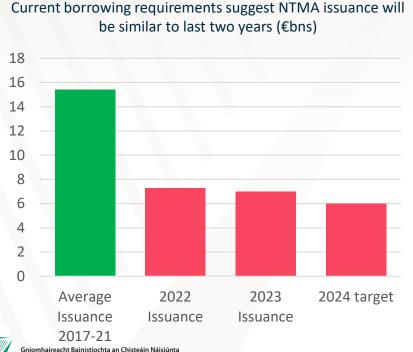
Redemptions are modest in coming years, FRNs fully repaid





#### Low supply expected in coming years

Redemptions are modest compared to rest of Europe





■ Refinancing Risk 5Y

Source: ESDM



Refinancing rate defined as debt maturing within five years divided by total debt outstanding.

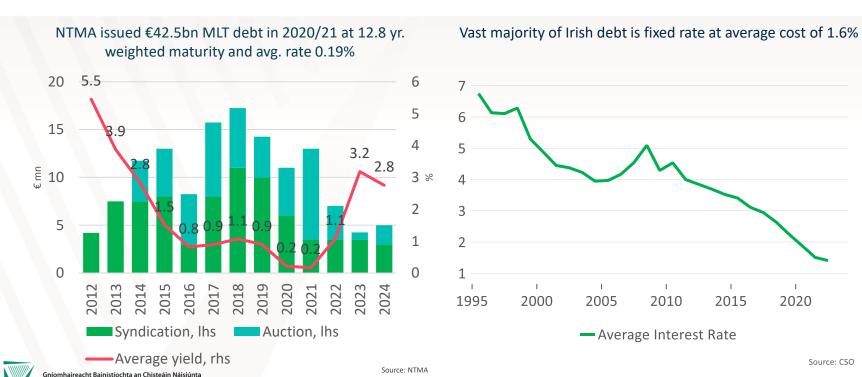
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<sup>\*</sup> FU data is FU as an issuer

#### **Borrowing costs anchored**

Ultra-low rate era over but Ireland used the period well

National Treasury Management Agency

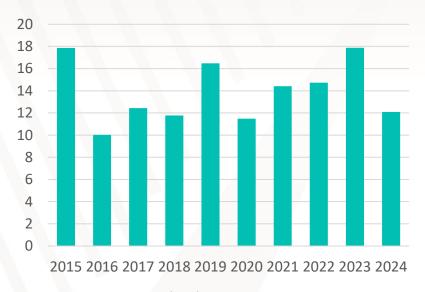


Note: LHS chart includes only auctions and syndication

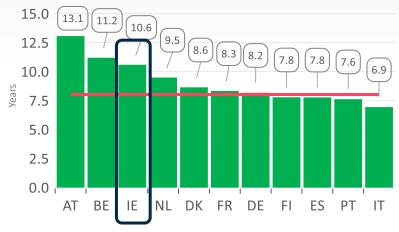
### NTMA has lengthened weighted maturity

Debt management strategy has extended debt profile since 2015

### Benchmark issuance has extended the maturity of Government debt since 2015



### Ireland's debt securities (in years) compares favourably to other EU countries



- Gov't Debt Securities Weighted Maturity
- Euro area Gov't Debt Securities Avg. Weighted Maturity



Source: NTMA

Source: ECB

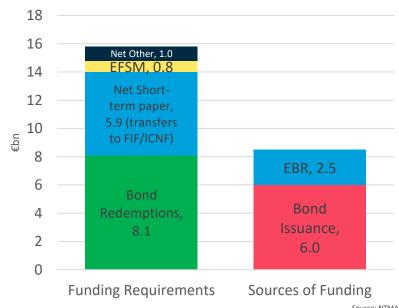


Note: For RHS, weighted maturity for Ireland includes Fixed rate benchmark bonds, Amortising Bonds, Notes issued under EMTN programme, T-Bills and ECP Data. It excludes programme loans and retail.

### Funding needs and sources for 2024

#### Modest borrowing amid expected EBR surplus

- ▶ There was one bond redemption in 2024 (€8.1bn in March). There is also a EFSM repayment due this year.
- ▶ The Exchequer Borrowing Requirement (EBR) for 2024 is expected to be a surplus (hence shown as funding source).
- The NTMA held significant cash throughout 2023. The balance at year-end 2023 was c. €25bn. This will likely remain elevated even as transfers to the FIF/ICNF occur.



Source: NTMA

Rounding may affect totals

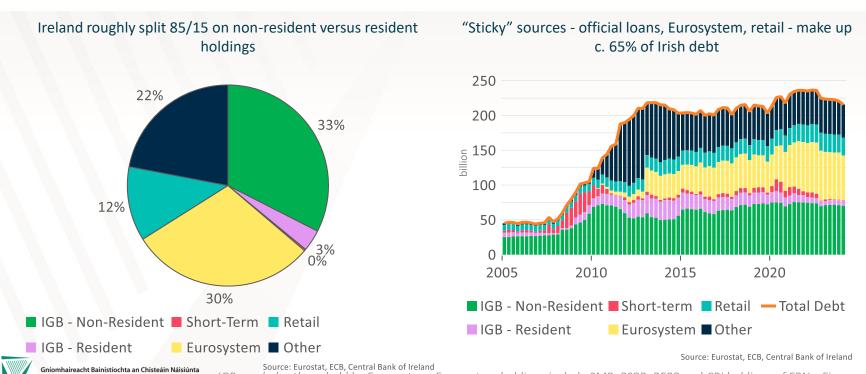
- 1. In the funding sources column, €6bn is reflective of the NTMA's decision that's September's auction will be the last in 2024.
- Net STP (short term paper) outflows are primarily related to the expected dissolution of National Reserve Fund and transfers to the Future Ireland Fund and Infrastructure, Climate and Nature Fund.
- EBR is the Department of Finance's SPU 2024 estimate of the Exchequer Borrowing Requirement



### Diverse holders of Irish debt

Sticky sources account for greater than 65%

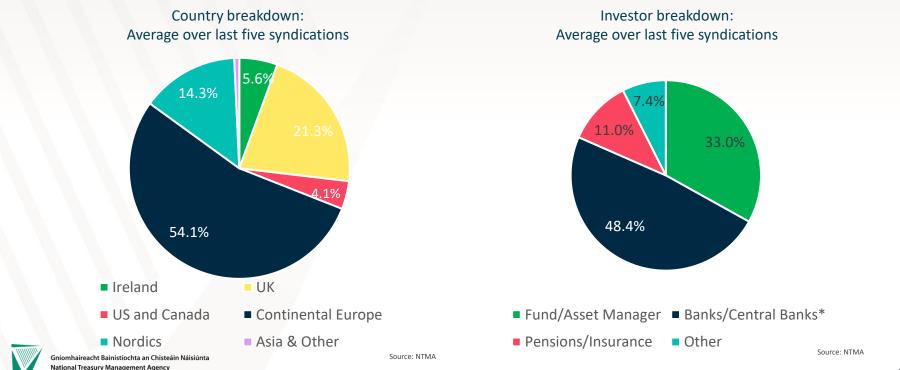
National Treasury Management Agency



Source: Eurostat, ECB, Central Bank of Ireland IGBs excludes those held by Eurosystem. Eurosystem holdings include SMP, PSPP, PEPP and CBI holdings of FRNs. Figures do not include ANFA. Other debt has included IMF, EFSF, EFSM, Bilateral as well as IBRC-related liabilities over time. Retail includes State Savings and other currency and deposits. The CSO series has been altered to exclude the impact of IBRC.

### **Investor base**

#### Demand for Government bonds is wide and varied



\* Does not include ECB. ECB does not participate on primary market under its various asset purchasing programmes

<sup>40</sup> 

### **Credit Ratings for Ireland**

Three ratings agencies on positive outlook; Ireland rated in AA category by all

Rating Agency	Long-term	Short-term	Outlook/ Trend	Date of last rating change	Date of next review
Standard & Poor's	AA	A-1+	Stable	May 2023	15 Nov
Fitch Ratings	AA	F1+	Stable	May 2024	15 Nov
Moody's	Aa3	P-1	Positive	Apr 2023	2025
Morningstar DBRS	AA (low)	R-1 (middle)	Positive	Jan 2022	20 Sep
R&I	AA-	a-1+	Positive	Feb 2022	2025
KBRA	AA	K1+	Stable	May 2023	H2 2024
Scope	AA	S-1+	Stable	Aug 2024	2025



### **Apple: CJEU confirms EC decision**

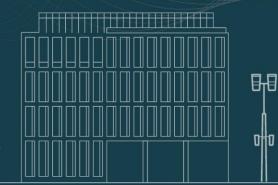
CJEU set aside General Court decision meaning escrow funds to go to Ireland

- In 2016, the European Commission ruled that Ireland illegally provided State aid of up to €13bn, plus interest to Apple. The Irish position has always been that Ireland does not give preferential tax treatment to any companies or taxpayers.
- Apple appealed the ruling, as did the Irish Government. The General Court granted the appeal in July 2020, annulling the EC's ruling.
   The Commission then appealed to a higher court: the Court of Justice of the European Union (CJEU).
- In September 2024, the CJEU set aside the judgement of the General Court and gave a final judgment in the matter. The CJEU confirmed the Commission's decision that Ireland granted state aid. The case involved an issue that is now of historical relevance only; the Revenue opinions date back to 1991 and 2007 and are no longer in force. This €13bn plus interest figure was based on the tax foregone owing this period. The Irish Government closed this provision in December 2014.
- As outlined by Government, Ireland will respect the findings of the CJEU regarding the tax due in this case. The process of transferring
  the assets in the Escrow Fund to Ireland will commence in the manner prescribed in the Deed governing the operations of the Escrow
  Fund.
- As stated previously, the NTMA has not included these funds in any of its issuance plans.



## **ESG**

Issuance & government policy demonstrate Ireland's green commitment

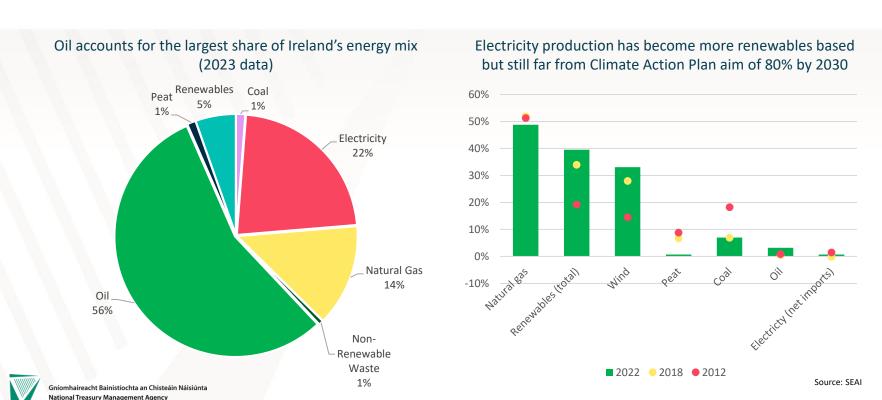






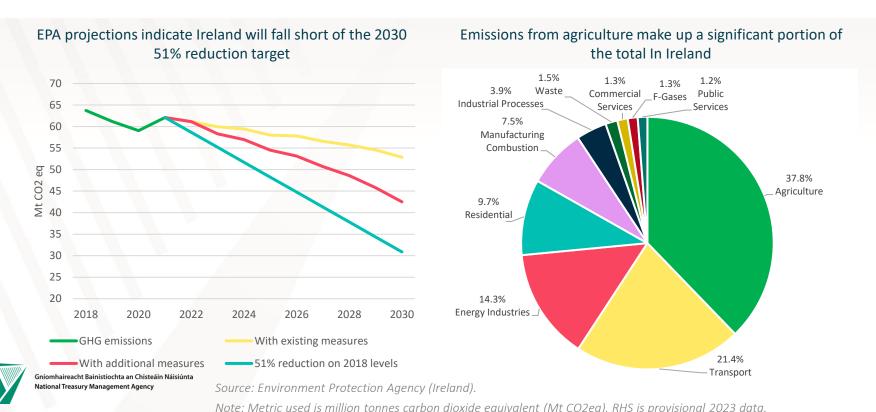
### Ireland's energy: fossil fuels prevalent

Ireland's energy mix is reliant on fossil fuels but renewables share to increase by 2030



### Ireland's greenhouse gas emissions

EPA report notes further measures needed to achieve emissions reduction target



### **Climate Action Legislation**

The Climate Action & Low Carbon Development Act 2021 aims for Net Zero by 2050

#### Climate Action & Low Carbon Act:

- <u>Carbon Budgeting:</u> The Act embeds the process of carbon budgeting into law. It requires Government to adopt a series of economy-wide-five-year carbon budgets.
- <u>National Climate Objective</u>: First carbon budgets will aim for a reduction of 51% of emissions by 2030.
- <u>Climate Action Strategy:</u> A national plan will be prepared every five years and actions for each sector will be updated annually.
- All of Government approach: Local authorities are required to prepare a Climate Action Plan and public bodies obliged to conduct their functions in line with the national plan.
- Progress: At the end of 2023, Ireland was exactly 60% through the 2021-2025 carbon budget, and is over-emitting against its CAP targets (SEAI analysis).

#### **Carbon Budgets & Sectoral Ceilings**

Budget Period	2021-2025	2026-2030	2031-2035 (provisional)
MtCO2eq	295	200	151
Average Annual Reduction	4.8%	8.3%	3.5%

Sector	Target reduction by 2030 vs.2018	Projected** reduction 2030 vs. 2018	
Electricity	75%	62%	
Transport	50%	41%	
Buildings (Commercial and			
Public)	45%	50%	
Buildings (Residential)	40%	48%	
Industry	25%	11%	
Agriculture	25%	19%	
Other*	50%	21%	



### **Climate Action Plan 2024**

#### Pillars to tackle emissions reduction

### Powering renewables

- · 9GW onshore wind, 8GW solar and at least 5GW offshore wind by 2030
- Phase out and end use of coal and peat in electrical generation
- ·Transform flexibility of electricity system by improving system services and storage capacity

#### **Building Better**

- · Retrofit 500,000 dwellings by 2030
- · Put heat pumps into 680,000 homes by 2030
- · Generate 2.7TWh of district heating by 2030
- · Improve carbon sequestration and reduce management intensity of drained soils on grasslands

#### **Transport**

- Reduce distance driven across all car journeys by 25%
- · Walking, cycling, public transport will account for 50% of journeys
- · 1 in 3 private cars will be EV's
- · Increase rural bus routes and frequency

#### **Agriculture**

- Reduce use of chemical nitrogen as fertiliser
- · Increase organic farming to 450,000 hectares
- · Expand indigenous biomethane sector
- · Contribute to delivery of land use targets for afforestation, reduce mgmt. intensity of organic soils
- Increase uptake on protected urea on farms to 90-100%

#### **Enterprise**

- · Reduce clinker content in cement and substitute products with lower carbon content for construction materials
- Reduce fossil fuel share of final consumption
- · Increase total share of heating to 70-75% by 2030
- · Grow the circular and bio economy

#### **Land Use**

- · Increase annual afforestation rates to 8,000 hectares
- · Promote forest management initiatives in forests to increase carbon sinks and stores
- · Improve carbon sequestration and reduce management intensity of drained soils on grasslands
- · Rehabilitate 33,000 hectares of peatlands



### Irish Sovereign Green Bonds (ISGB)

#### Over €11bn issued in Green and allocated to green projects

- €11.38bn nominal outstanding across two bonds
- Cumulatively €11.3bn allocated
- Issuance through both syndicated sales and auctions
- · Pipeline for eligible green expenditure remains strong
- Launched 2018 and based on ICMA Green Bond Principles –
   Use of proceeds model
- Governed by a Working Group of government departments chaired by the Department of Finance
- Compliance reviews by Sustainalytics
- Six annual allocation reports and five annual impact reports now published

#### Irish Sovereign Green Bond Impact Report 2022: Highlights\*

 Environmentally Sustainable Management of Living Natural Resources and Land Use

Number of hectares of forest planted: 2,273 Number of Landfill Remediation sites with funding drawn down: 67

#### ▶ Renewable Energy

Number of companies (including public sector organisations) benefitting from SEAI Research & Innovation programmes as lead, partner or active collaborators : 23

SEAI Research & Innovation awards: 41

Sustainable water and wastewater management
Public side water savings (litres of water per day): 11 million
New & upgraded water and wastewater treatment plants: 15
Length of water main laid (total): 315km



### Irish Sovereign Green Bonds (ISGB)

Irish Sovereign Green Bond Impact Report 2022 & Allocation Report 2023: sample impacts

#### Some highlights from the report\*

#### Built Environment/ Energy Efficiency

- Non-residential energy saving (Gigawatt Hours): 151
- Number of homes renovated: 27,200

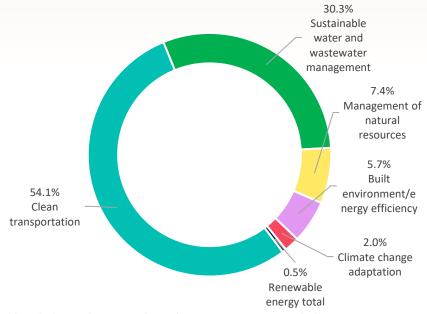
#### Clean Transportation

- Grant-aided EV home charging points installed: 16,299
- Number of public transport passenger journeys: 249.7 million
- Length of regional and national greenways constructed: 54km
- Take-up of Grant Schemes/ Tax foregone provided (number of vehicles): 33,020

#### Climate Change Adaptation

- 16 major Flood relief projects at planning, development or construction phase.
- 8,913 properties protected on completion

### Allocation in 2023 of ISGB funding has focused on Water/Waste management and transportation



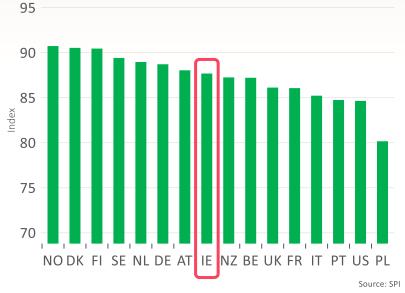


### Further progress on 'E' and 'S' to be made

Action needed in sectors like energy and healthcare



Ranked 13<sup>th</sup> out of 160 countries in the Social Progress Index but scores lower on healthcare and housing affordability



### **Policy on Just Transition and Biodiversity**

All of National Parks and Wildlife Service budget included in Green bond allocation

#### **Just Transition**

The importance of ensuring a just transition is explicitly recognised in the Climate Act 2021 and in the Climate Action Plans

- National Just Transition Fund 2020
  - €22.1m in grant funding provided to projects the contribute to the economic, social and environmental sustainability for the Wider Midlands region
- EU Just Transition Fund and Ireland's Territorial Just Transition Plan
  - Includes up to €169m in investment for the economic transition for the Midlands region for 2021-2027
- Green Skills for Further Education and Training 2021-2030
   Roadmap
- Skills for Zero Carbon
- Just Transition Commission set up

#### **Biodiversity**

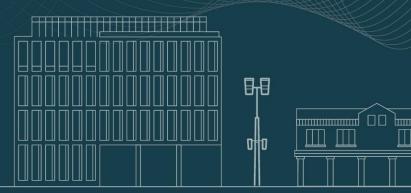
Irish policies for biodiversity are primarily set by the National Biodiversity Action Plans

- ▶ 4<sup>th</sup> National Biodiversity Action Plan 2023-2030
  - Backed by legislation, the NBP sets the agenda for biodiversity conservation and supports Ireland's international commitments
- Wildlife Amendment Act 2023
- International Commitments:
  - UN Convention on Biological Diversity
  - FU Nature Restoration Law
  - EU Biodiversity Strategy for 2030
  - Global Biodiversity Framework
- Peatlands Restoration
  - Bord na Móna Peatlands Restoration
  - EU supported The Living Bog Project 2016-2021



# Structure of the Irish Economy

Multinationals overstate economic prosperity but offer clear benefits of jobs, income, taxes

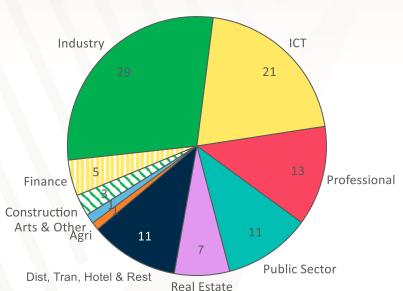




### Multinational activity distorts Ireland's data

Notwithstanding those issues, MNCs have real positive impact

Multinationals dominate GVA: profits are booked here but overstate Irish wealth generation



Domestic side of economy adds jobs; MNCs add GVA/high wages

#### Percentage of Total

	Employment	Compensation of Employees	Real GVA
Industry (incl Pharma)	14	13	29
ICT (Tech)	7	10	21
Professional	11	15	13
Dist, Tran, Hotel & Rest	23	18	11
Public Sector	31	28	11
Real Estate	0	1	7
Financial	5	8	5
Construction	5	5	3
Arts & Other	4	2	1
Agriculture	1	1	1

Source: Eurostat



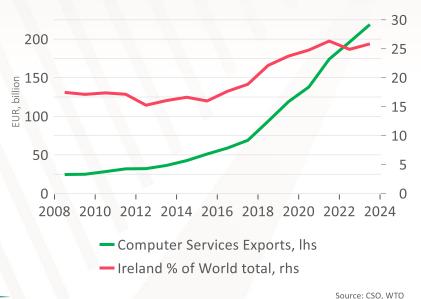
Source: Eurostat

Note: Based on calendar-adjusted seasonally-adjusted data as of 2024 Q2.

### €0.8trn of intellectual property into Ireland

Assets brought here by tech. & pharma. in recent years

Ireland is now a leader in Computer Services; Exports have up from €50bn to c. €170bn since 2015



Enormous inflows (c. €0.8trn) of IP assets into Ireland since 2015 on the back of BEPS 1.0 and other tax reforms

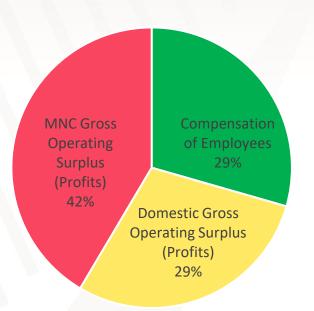




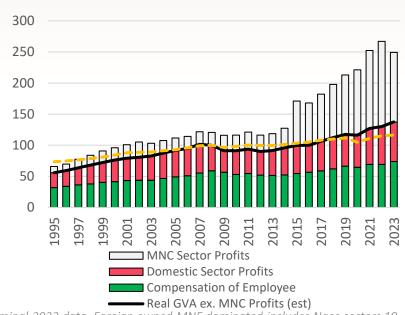
### Underlying economy above EA average

MNCs add real substance to Irish economy as wage bill filters out to domestic sectors

Ireland's income = wages (all sectors) + domestic sectors profits + tax on MNC profits



Ireland, on an underlying basis, growing faster than euro area average in recent years (2008 = 100)





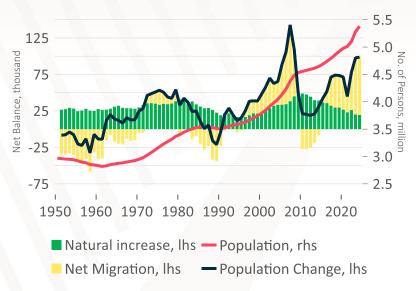
Gniomhaireacht Bainistiochta an Chisteáin Náisiúnta Cource: CSO, NTMA calculations. LHS shows nominal 2023 data. Foreign-owned MNE dominated includes Nace sectors 19, 20, National Treasury Management Agency

21, 26, 31, 32, 58, 61, 62, 63 and 77. Ireland's GVA data has been adjusted to strip out the distortionary effects of some of the multinational activity that occurs in Ireland. Specifically, a profit proxy is estimated for the sectors in which MNCs dominate.

### Ireland's population helps growth potential

Age profile younger than the EU average but won't outrun aging demographics

Ireland's population at 5.4m in April 2024: Migration driving robust population growth



Ireland's population will age rapidly in decades to come; to remain younger than most of its EA counterparts





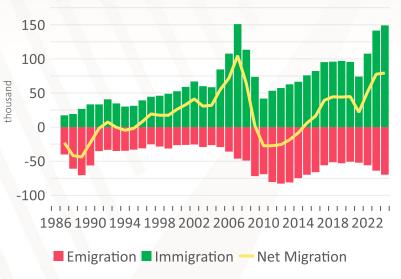
Source: CSO

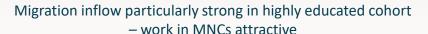
Source: UNDESA

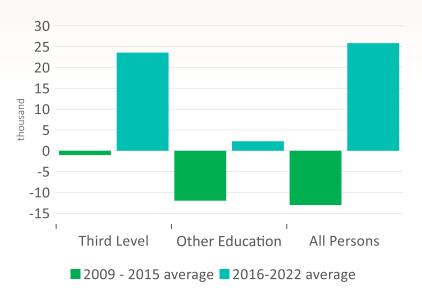
### Migration improves Ireland's human capital

Ireland's net migration has swung back and forth on economic performance

Continued inward migration led to 98k increase (c. 2%) in last year - due to strong economy & UKR refugee efforts





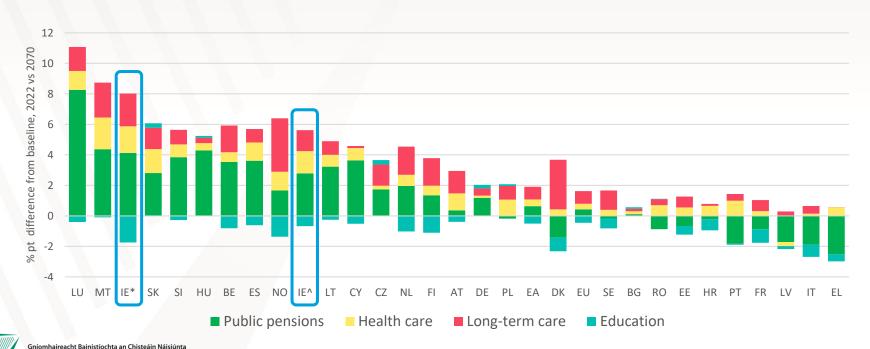


Source: CSO

### Total cost of aging projected to increase

Increase largely driven by pensions, while education spending expected to decline

National Treasury Management Agency

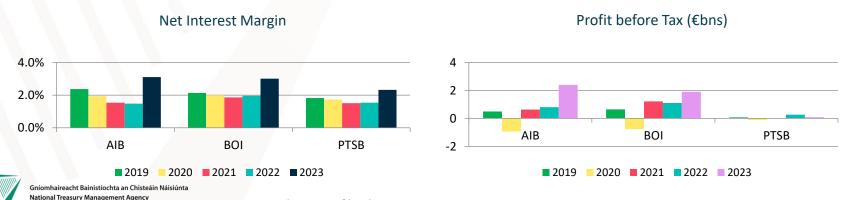




### Ireland's Banking Sector Overview

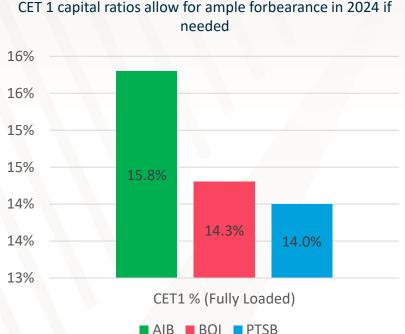
Less competition possible in decade to come

- Banking sector well capitalised with sufficient liquidity buffers
- Banks profitable as net interest margins helped by rising interest rate environment.
- Ulster Bank and KBC both of which have no govt. ownership have left Irish banking market. Reduced competition is main impact.
- The Irish Government has sold its share in BOI. This leaves just AIB and PTSB with government involvement.
- Further tranches of AIB and PTSB shares were sold in 2024. The Government owned approx. 22% of AIB and 57% of PTSB. Sales are likely to be ongoing as government divests from sector.

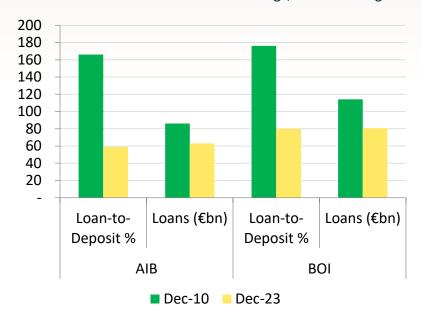


### **Capital ratios strong**

Bank's balance sheets contracted and consolidated since GFC



Loan-to-deposit ratios have fallen in recent years as deposits have increased on back of HH savings, banks leaving



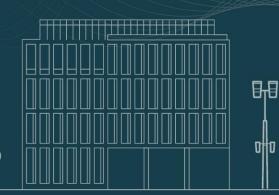


Source: Published bank accounts

Note: "Fully loaded" CET1 ratios used. Refers to the actual Basel III basis for CET1 ratios.

# Housing

Demand/prices still elevated despite rate hikes and increased building costs

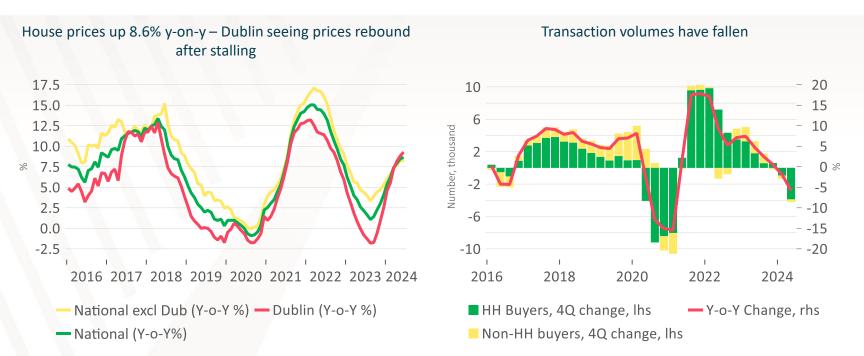






### Prices up strongly in recent years

Supply hampered by the pandemic and inflation (c. 50k units needed p.a.)





### **Supply continuing to rise**

However, supply likely to less than suggested by recent starts data

New Dwellings Completions\* exceeded 30,000 units threshold in 2023, pipeline suggest further increase in 2024



Pricing of new dwellings vs. existing dwellings impacted by Covid squeeze on new units + govt. action recently



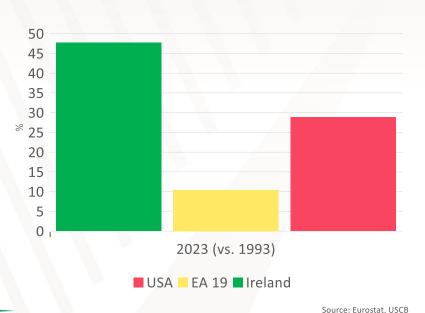


Source: CSO, Irish Department of Housing, Planning & Local Government

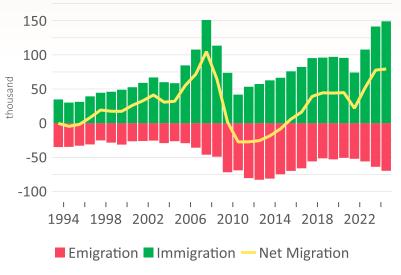
### **Demand is strong**

#### National population increase alongside net migration fuelling demand





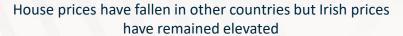
### Increased net migration given economy and refugees from Ukraine add demand for housing

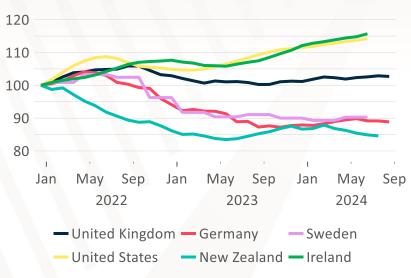




### House prices remain resilient amid hikes

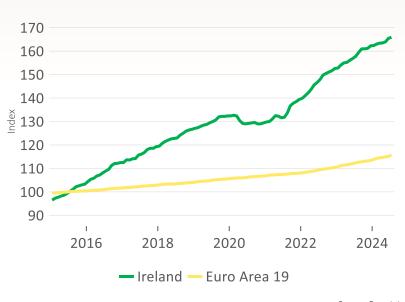
Demand has ensured prices and rents have increased





Source: StatCan, CBS, Nationwide, S&P Global, EUROPACE, Real Estate Norway (Eiendom Norge), REINZ, SCB, CSO, StatFin

### Rents pressures remain strong with a annual rate of increased above 5% in 2024



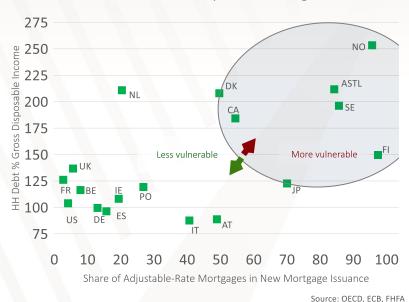
Source: Eurostat



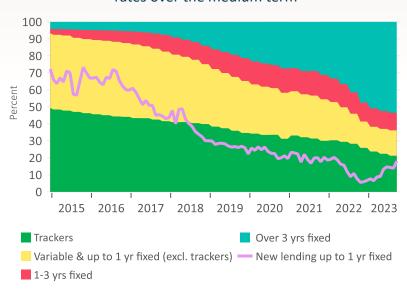
### Ireland less vulnerable to higher interest rates

But could pose a greater threat in the medium term

Low share of adjustable rate mortgage and low HH debt to income ratios- Ireland less exposed to rising interest rates



...but most mortgages in Ireland exposed to higher interest rates over the medium term



Source: Central Bank of Ireland



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