



## Outlook 2024 New Horizons

The Hague,
15 December 2023



Sigrid Kaag

Minister of Finance













## Green 20-year DSL 2044









## Advisory Board















## **Advisory Board**



Dutch State Treasury Agency Ministry of Finance

## Today's programme

Introduction

Sigrid Kaag, Minister of Finance, and Saskia van Dun, Agent

Looking back on 2023 and the Economic, Budgetary and Climate Outlook

Karen van der Wiel, Deputy Agent

Looking ahead to 2024 Saskia van Dun, Agent

Keynote speech Mathijs Bouman

Primary Dealer Awards 2023

Justin Heydenrijk, Head of Cash Management, Issuance and Trading

Closing remarks

Christiaan Rebergen, Treasurer-General











Capital market

Money market

€50 billion

€50 billion



Capital market

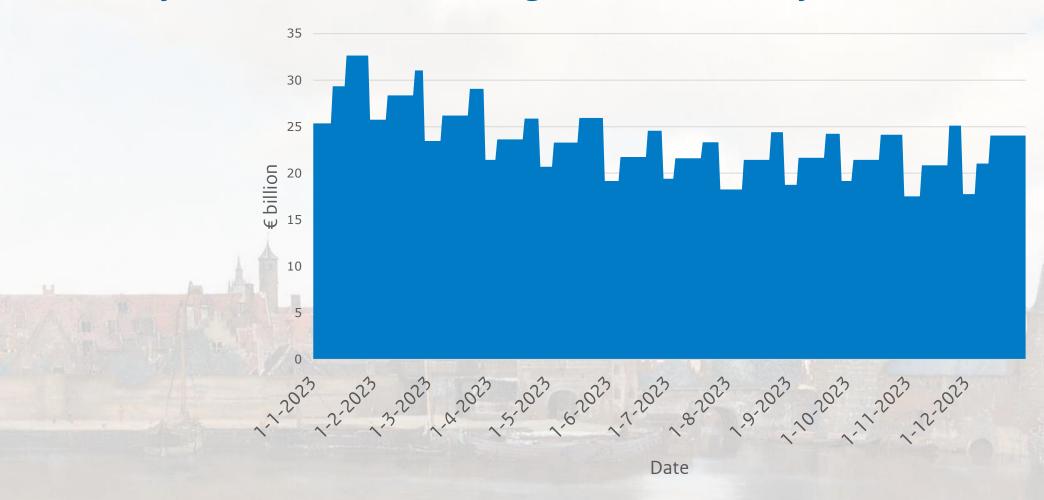
Money market

€46 billion

€25 billion



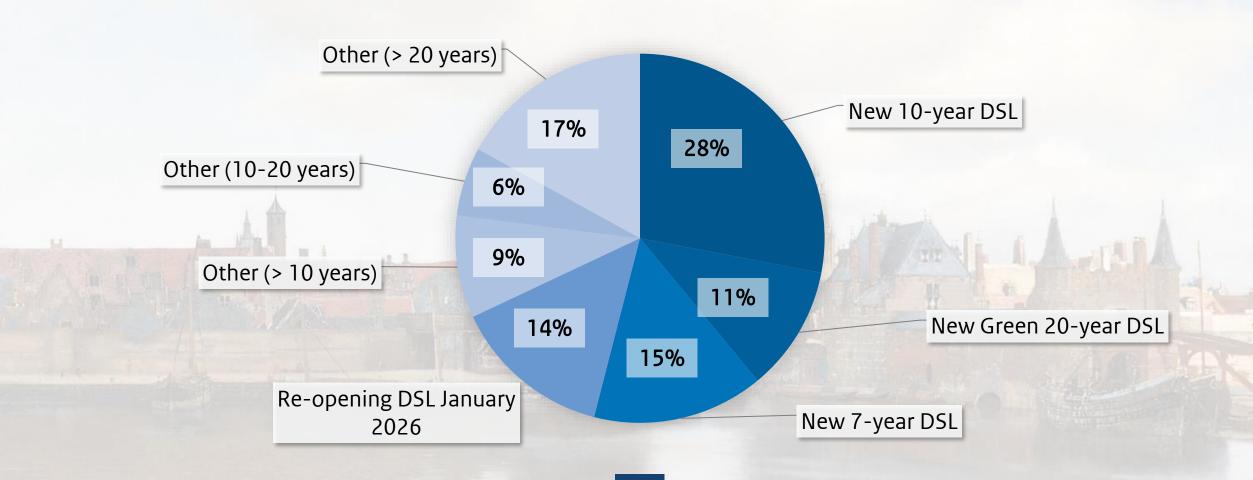
#### Money market: outstanding Dutch Treasury Certificates





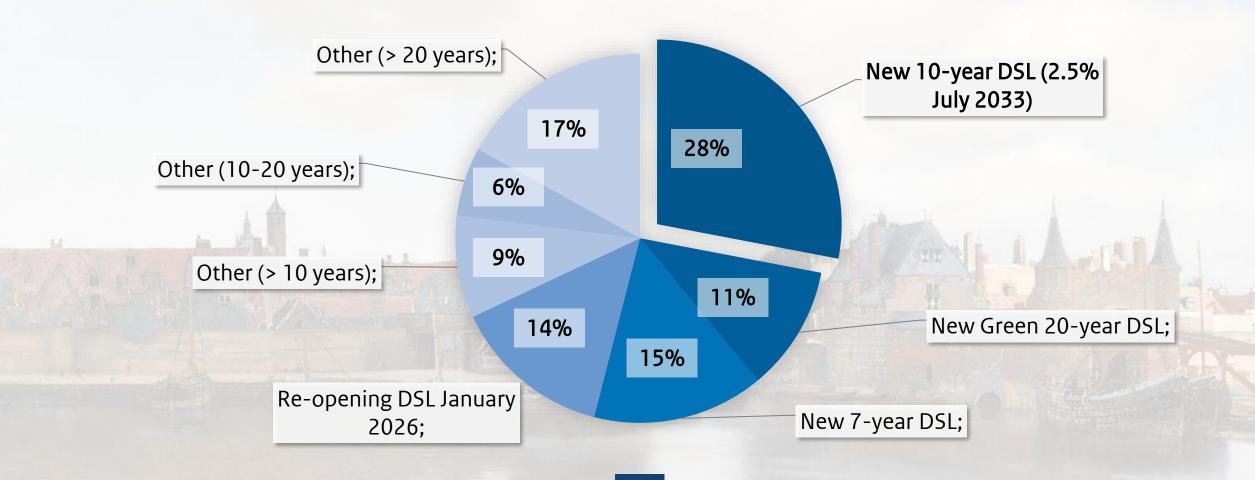


## Funding on the capital market 2023: € 46 billion



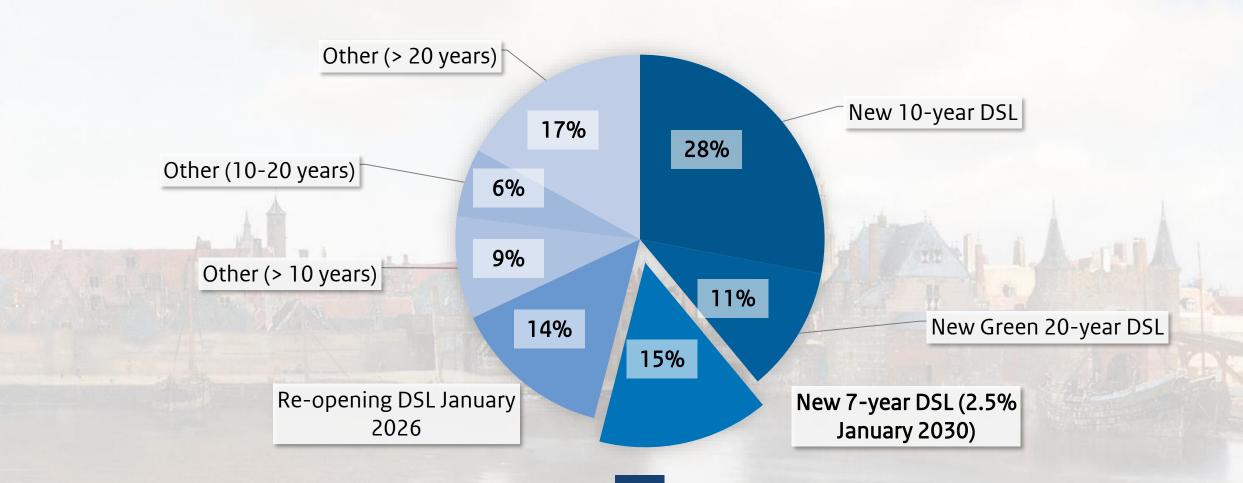


## Funding on the capital market 2023: € 12 billion



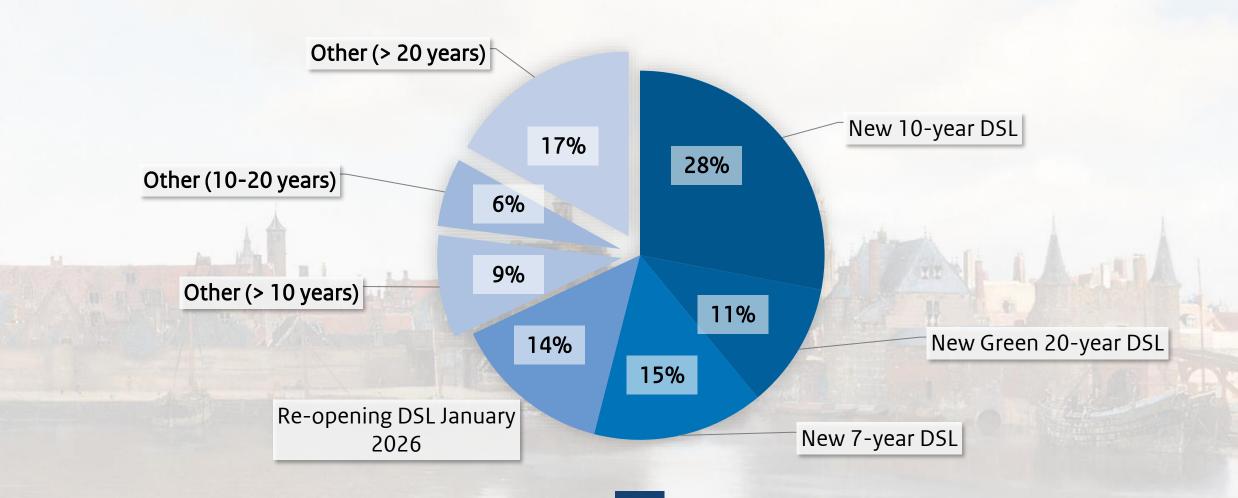


## Funding on the capital market 2023: € 8 billion



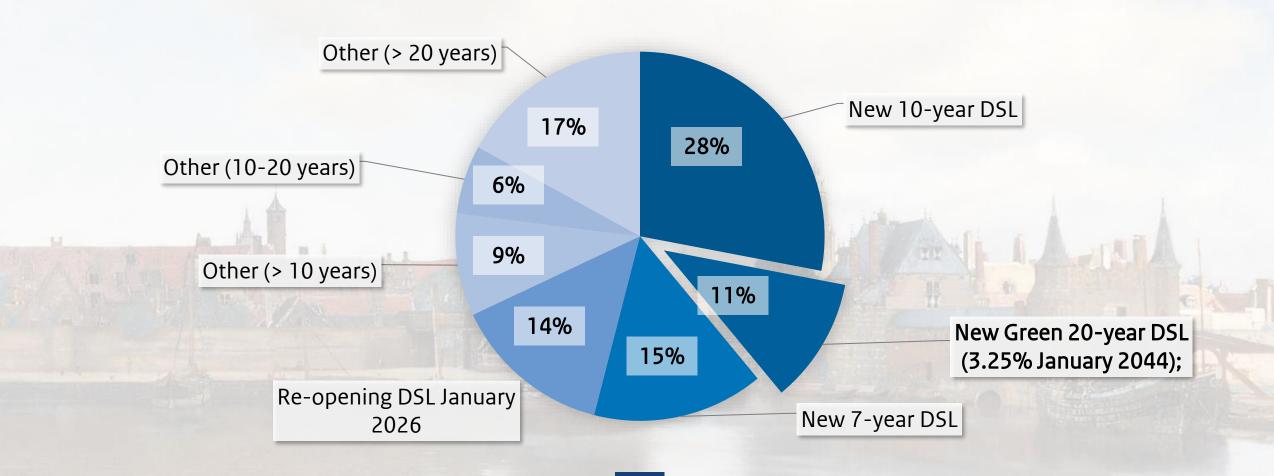


## Funding on the capital market 2023: € 20 billion





## Funding on the capital market 2023: € 5 billion





#### Green bond DDA: large demand

- Yield: 3.35%
- Bid-to-cover ratio of 3.67
- New framework with near 'full' adherence to EU-taxonomy
- Blue expenditures fully mapped to criteria relating to flood protection and climate adaption



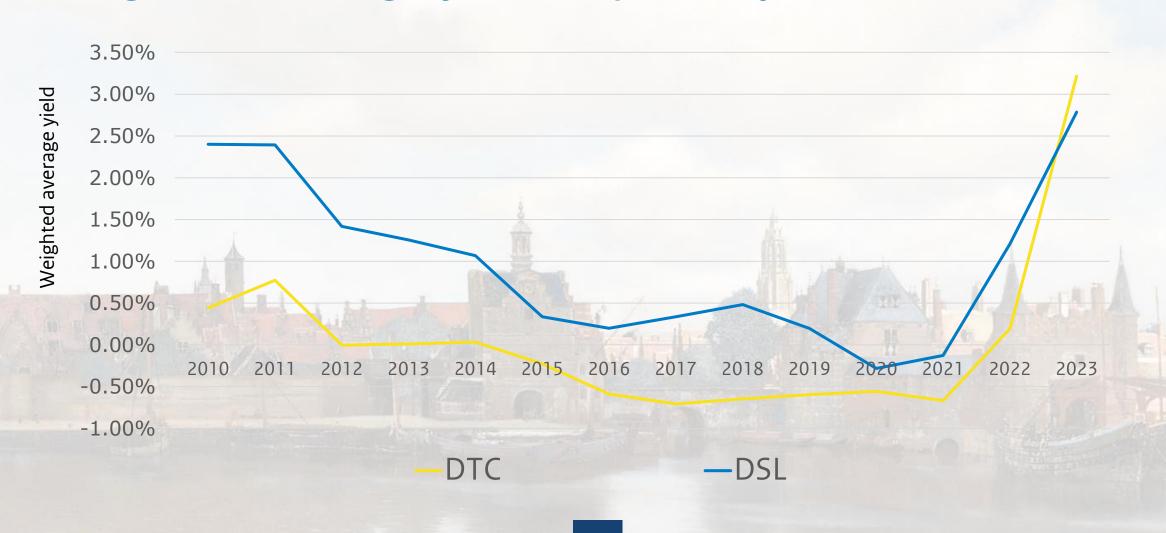
#### State of the Netherlands Green Bond Framework

Update: 8 September 2023





## Weighted average yield of primary issuance







## Average maturity (end of year 2023)





## 12-month refixing amount (2023)





12-month refixing amount (target 2024)

## 8.0 years (minimum)



Average maturity (target 2024)

At most 25.0%

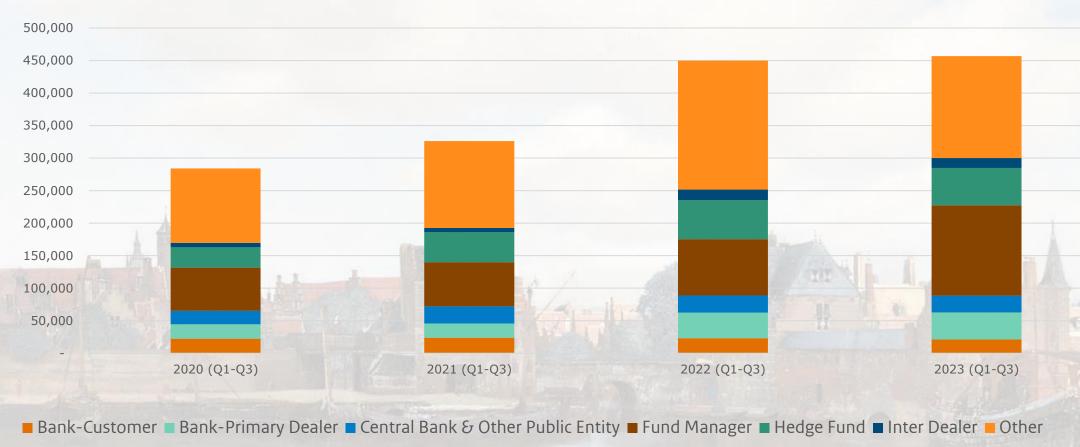


#### Secondary market: Turnover volumes at primary dealers





## DSL turnover by investor type





The economic, budgetary and climate outlook



## 1.4% inflation in November



# Unemployment rate of 3.6% in October



# 6.9% wage increase in November

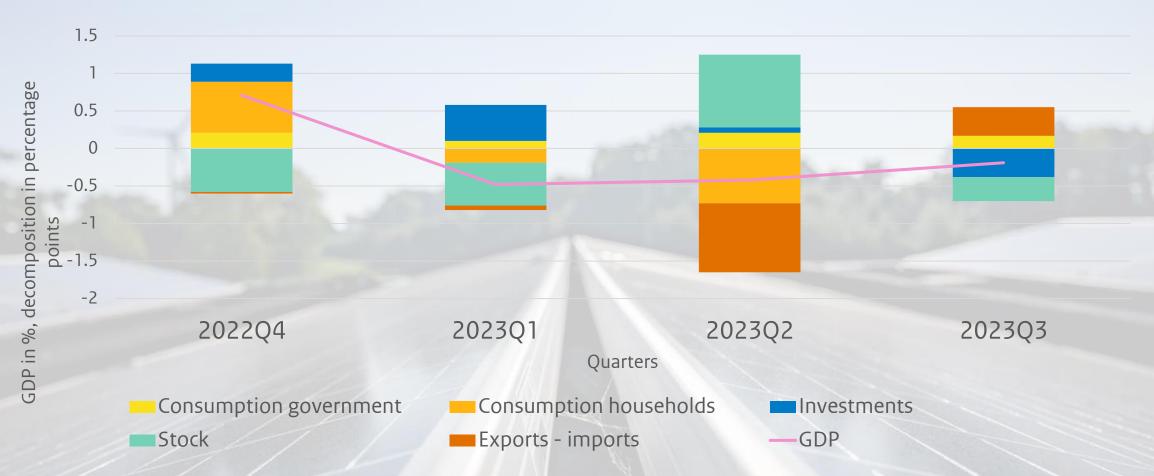


## GDP volume developments based on seasonally adjusted data





#### Decomposition of GDP growth in the Netherlands





## Outlook for the Netherlands in 2024



### Growth in GDP for 2024 1.5%



# Inflation in 2024 3.9%



## Unemployment rate 4.0%



# Nominal wage growth 5.0%



## Median household purchasing power 1.8%



#### Key budgetary figures for the Netherlands (% GDP)

Funding need	2024		
EMU balance	-3.1		
EMU debt	47.3		



#### Key budgetary figures for the Netherlands (% GDP)

Funding need	2024	2025	2026	2027	2028
EMU balance	-3.1	-3.0	-3.6	-2.6	-3.1
EMU debt	47.3	48.8	50.6	51.4	53.0



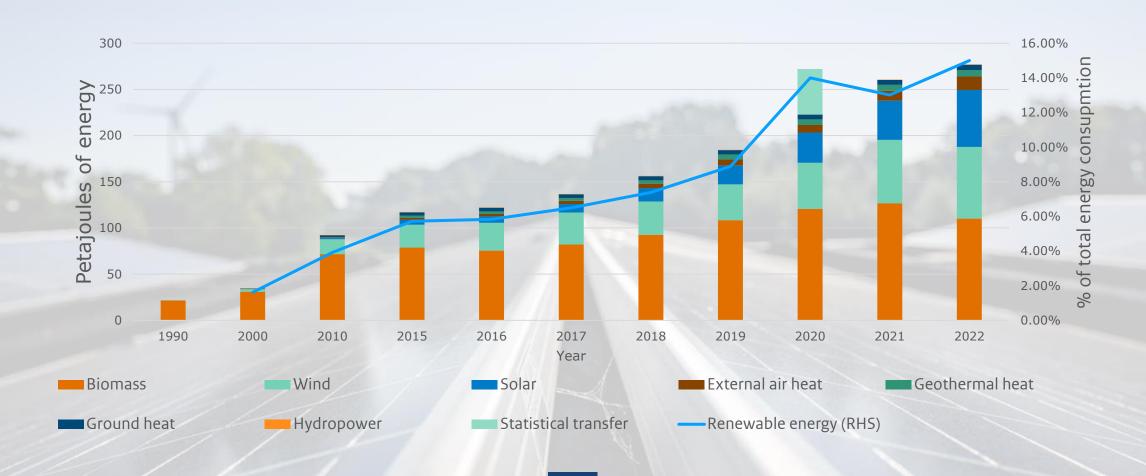
### Climate mitigation



### GHG emissions in Q3 -8.5%



#### Development of renewable energy









## E75.7 billion



Capital market redemptions

€32.8 billion



Net money market ultimo



Expected cash deficit for 2024

£18.5 billion



#### Funding Plan 2024

Capital market

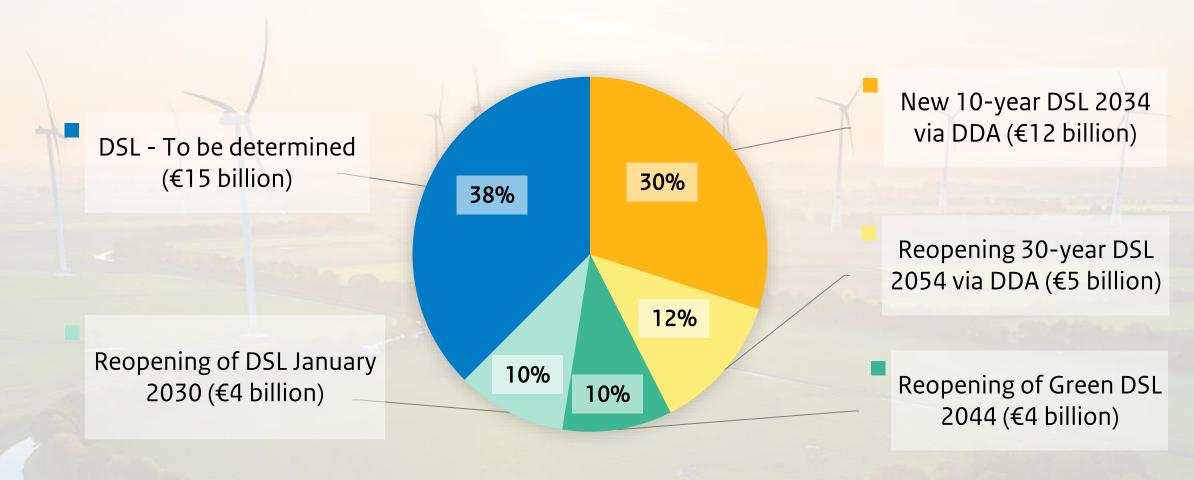
Money market

€40 billion

€35.7 billion

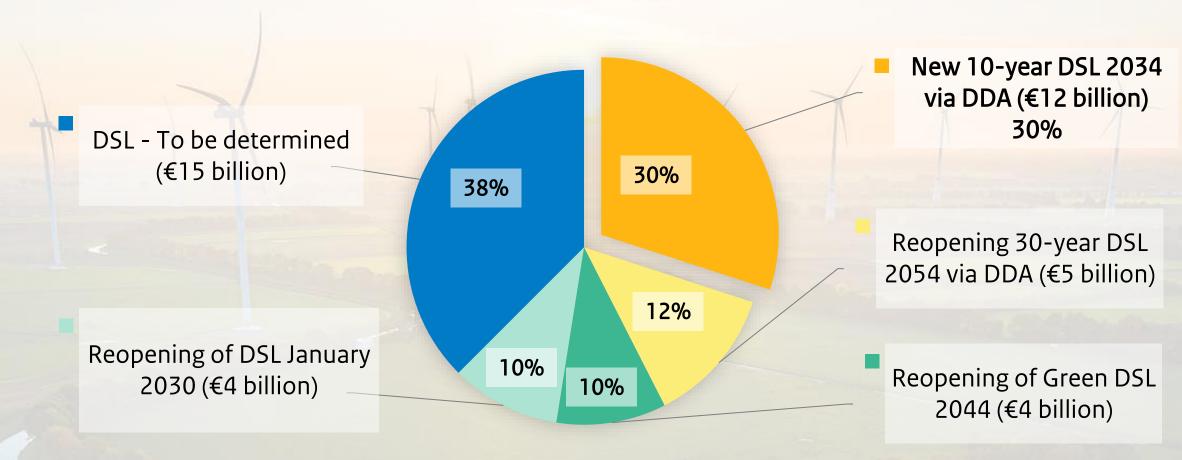


€ 40 billion nominal



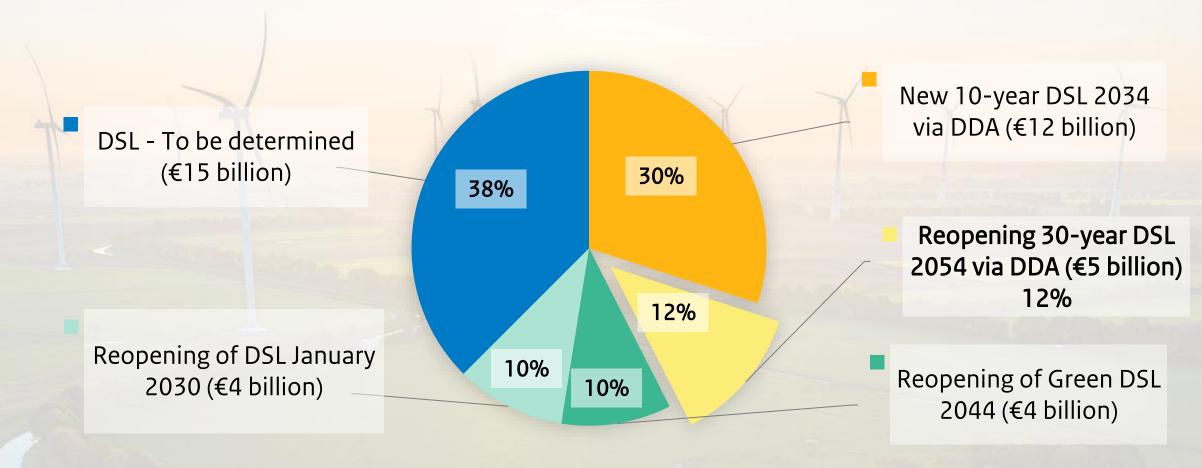


New 10-year DSL 2034



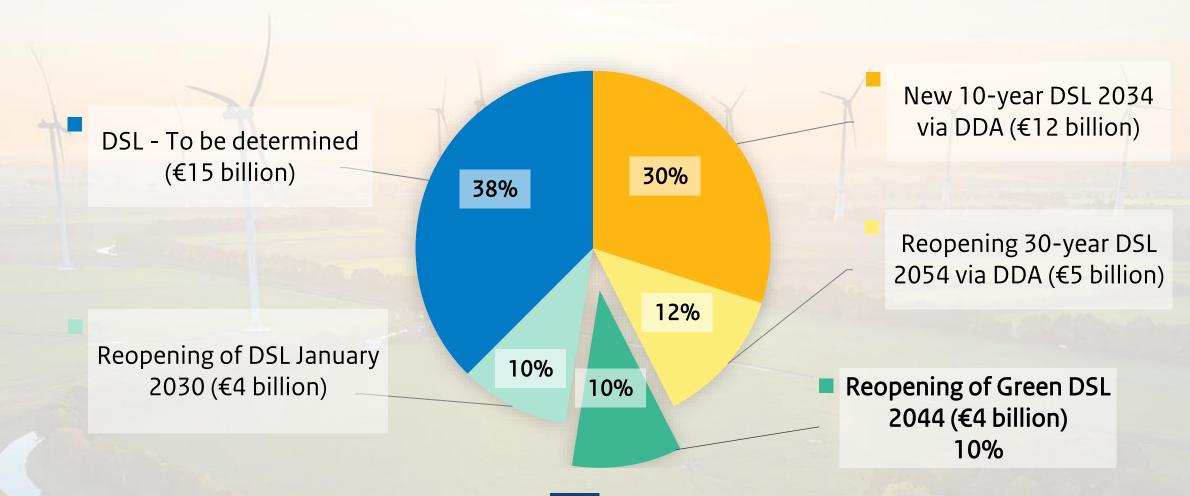


Reopening 30-year DSL 2054 via DDA



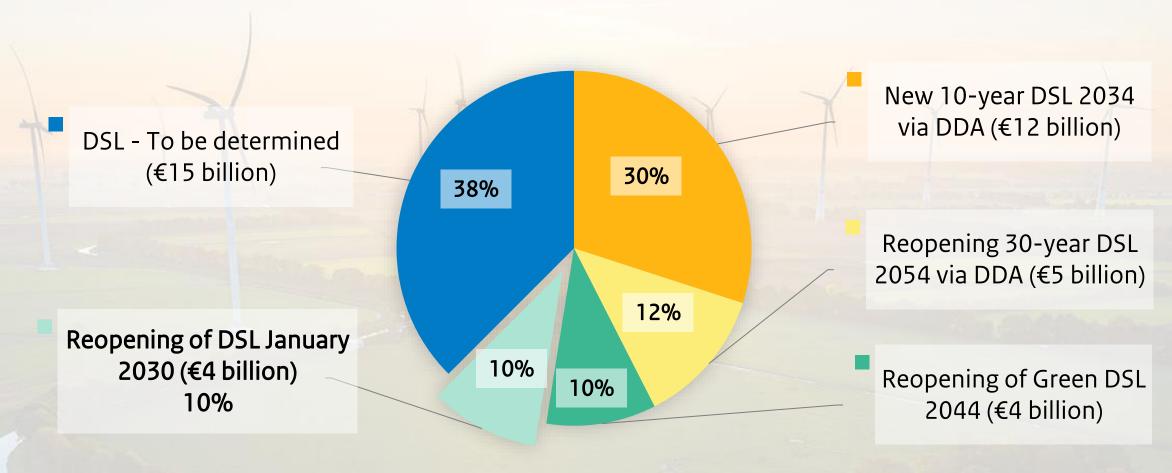


Reopening of Green DSL 2044



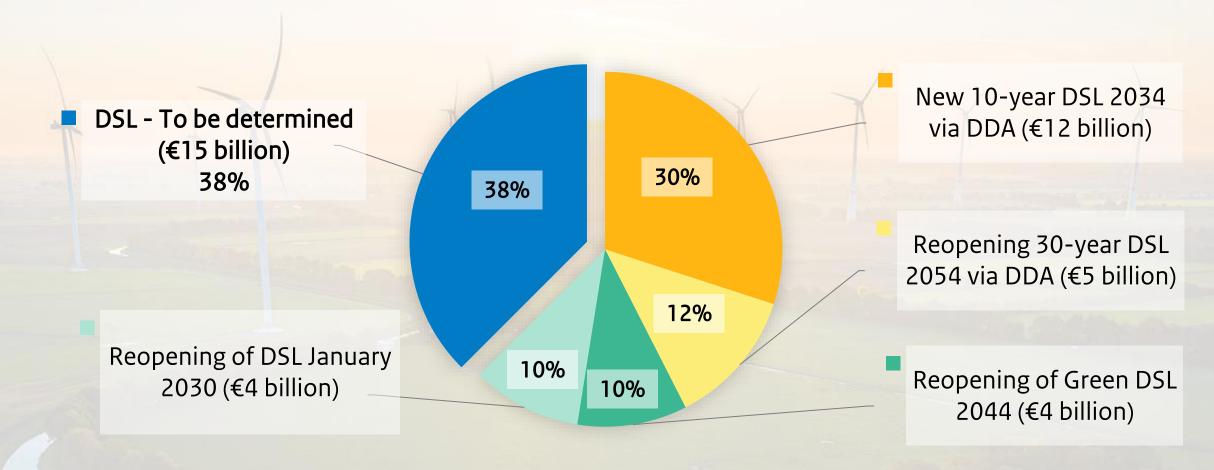


Reopening of DSL January 2030





€ 15 billion to be determined





#### DSL issuance calendar Q1 2024

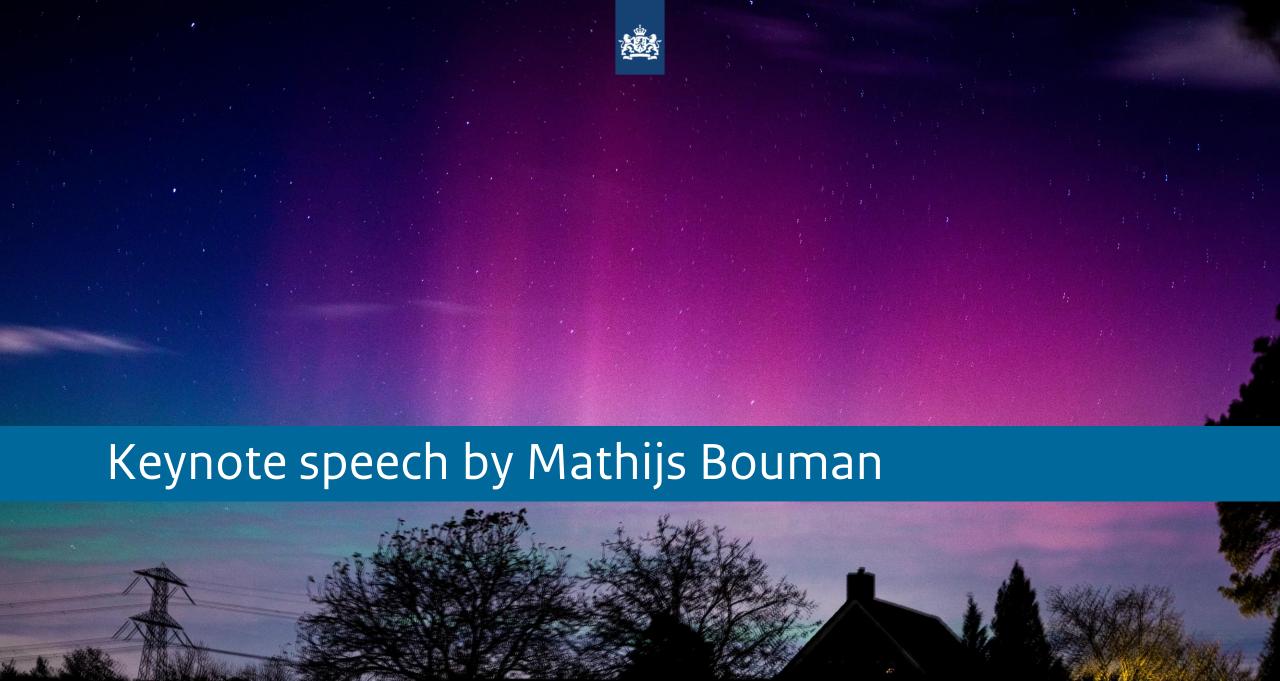
	Auction date	Details	Target volume (€ billion)		
	9 January	Reopening DSL 15 January 2030	2 – 2.5		
	23 January	Tap of an existing DSL	To be announced		
The following bonds are scheduled to be auctioned in February and March of 2024					
		New 10-year bond: DSL 15 July 2034	4-6		
		Reopening Green DSL 15 January 2044	To be announced		
		Tap of an existing DSL	To be announced		
		Tap of an existing DSL	To be announced		



#### DTC issuance calendar Q1 2024

Auction date	Settlement date	Shorter-dated programme	Longer-dated programme
08 January 2024	10 January 2024	27 March 2024	27 June 2024
15 January 2024	17 January 2024	29 April 2024	27 June 2024
05 February 2024	07 February 2024	30 May 2024	30 July 2024
19 February 2024	21 February 2024	29 April 2024	30 July 2024
04 March 2024	06 March 2024	27 June 2024	29 August 2024
18 March 2024	20 March 2024	30 May 2024	29 August 2024





#### Headwinds

Labour shortage is hurting growth, but help is on the horizon...

Mathijs Bouman (with some help from DALL-E)

**Dutch State Treasury Agency** 

15-12-2023



#### **RANKING OF RANKINGS**





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#### 

2022	2023		IMD: World Competitiveness Ranking	<b>GII</b> : Global Innovation Index	HDI*: Human Development Index	Happiness: World Happiness Report	Totaal: Som van alle posities op ranglijsten	
(8)	11	Duitsland	22	8	9	16	55	,
(12)	12	Canada	15	15	15	13	58	
(14)	13	Australië	19	24	5	12	60	
(18)	14	Israël	23	14	22	4	63	
(19)	15	België	13	23	13	17	66	
(13)	16	Luxemburg	20	21	17	9	67	,
(11)	17	VK	29	4	18	19	70	,
(16)	18	Oostenrijk	24	18	25	11	78	,
(19)	19	Nieuw-Zeela	nd 31	27	13	10	81 _	
(20)	20	Frankrijk	33	11	28	21	93 -	



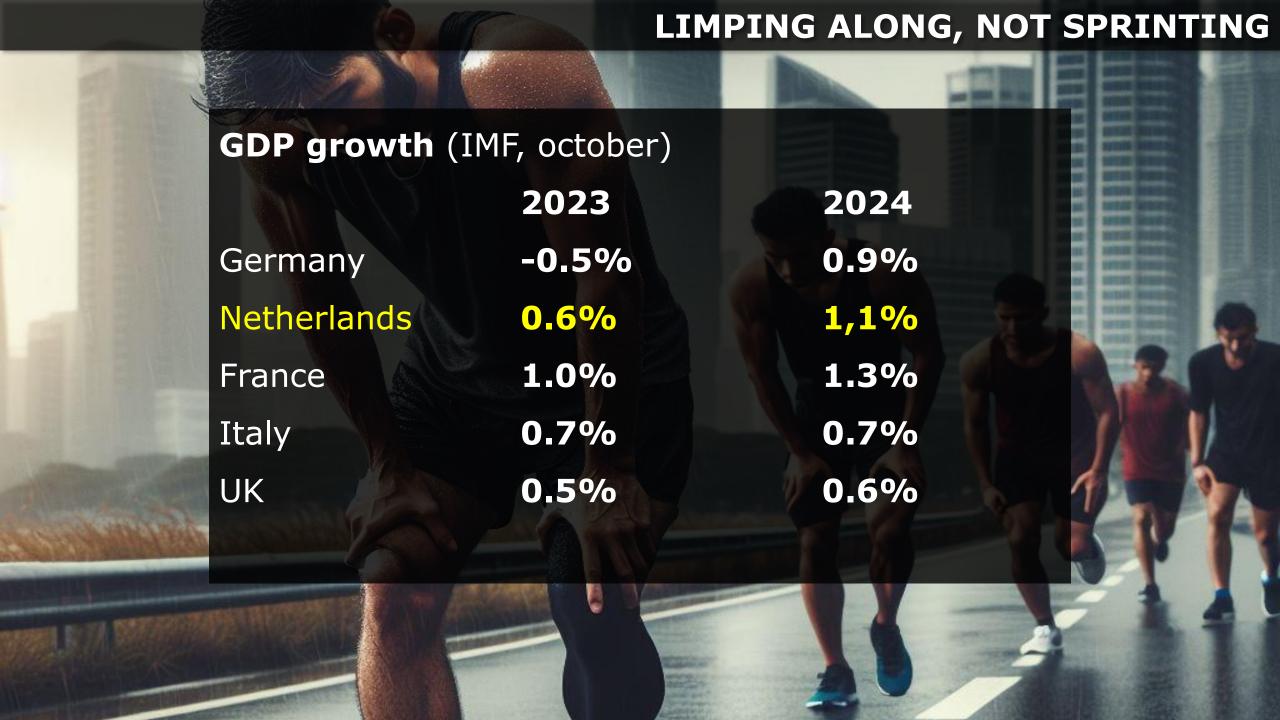
#### **RANKING OF RANKINGS**

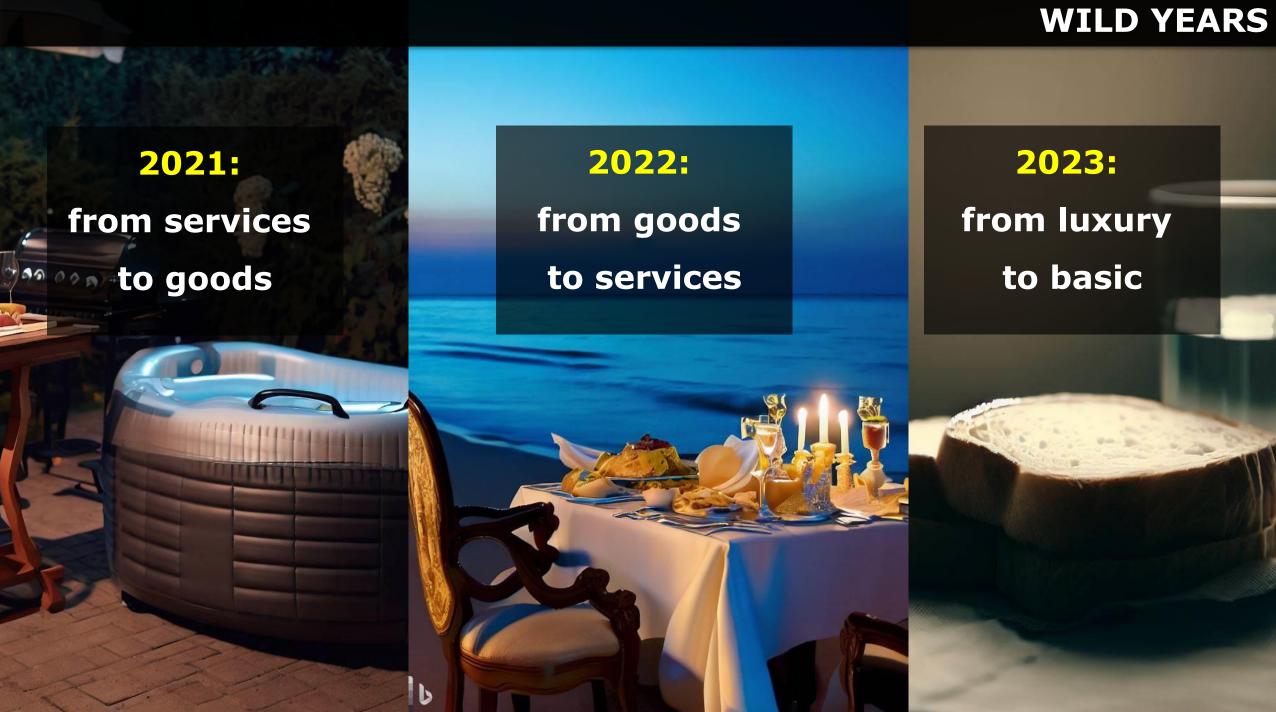


#### IMF: WORLD ECONOMIC OUTLOOK



The global economy continues to recover slowly from the blows of the pandemic, Russia's invasion of Ukraine, and the cost-of-living crisis. In retrospect, the resilience has been remarkable. Despite the disruption in energy and food markets caused by the war, and the unprecedented tightening of global monetary conditions to combat decades-high inflation, the global economy has slowed, but not stalled. Yet growth remains slow and uneven, with growing global divergences. The global economy is limping along, not sprinting.

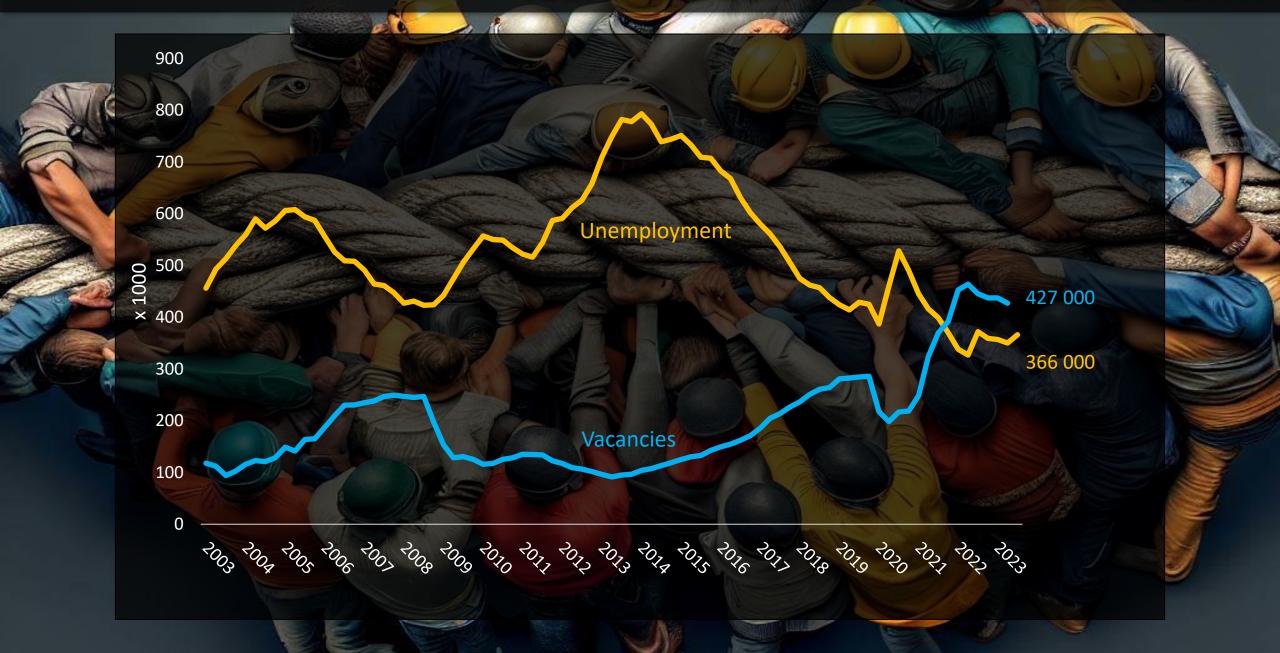




#### **TEAM TRANSITORY VINDICATED!**



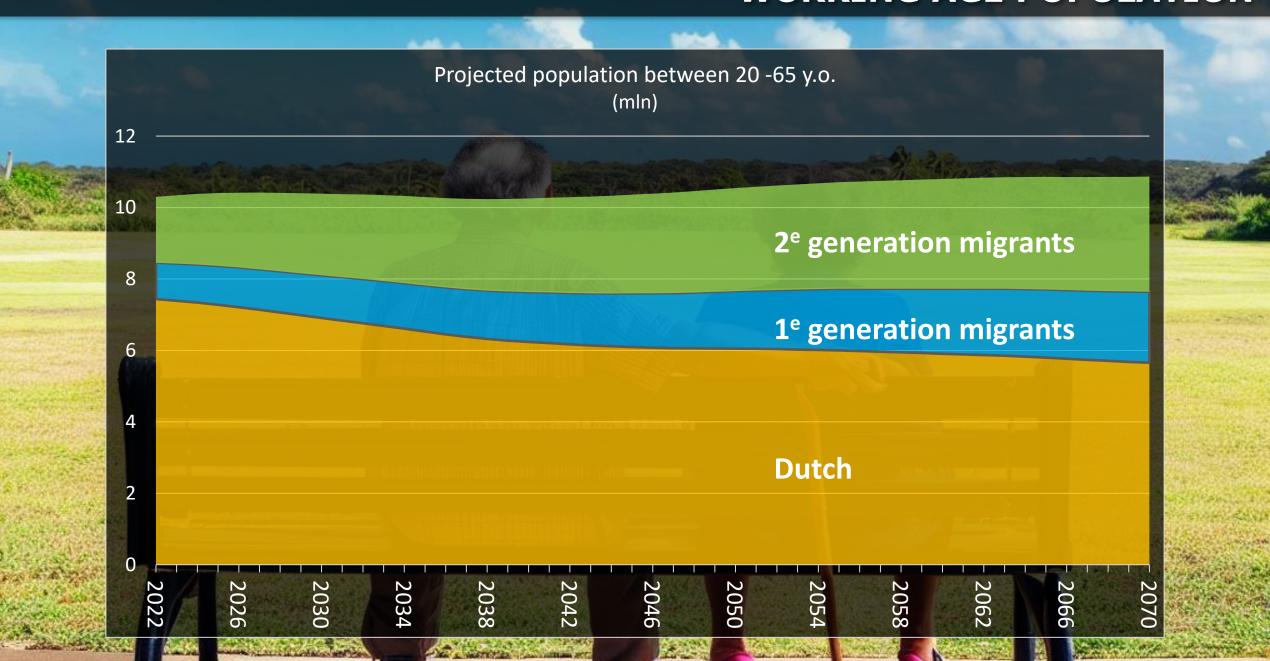
#### TIGHT LABOUR MARKET IS HERE TO STAY



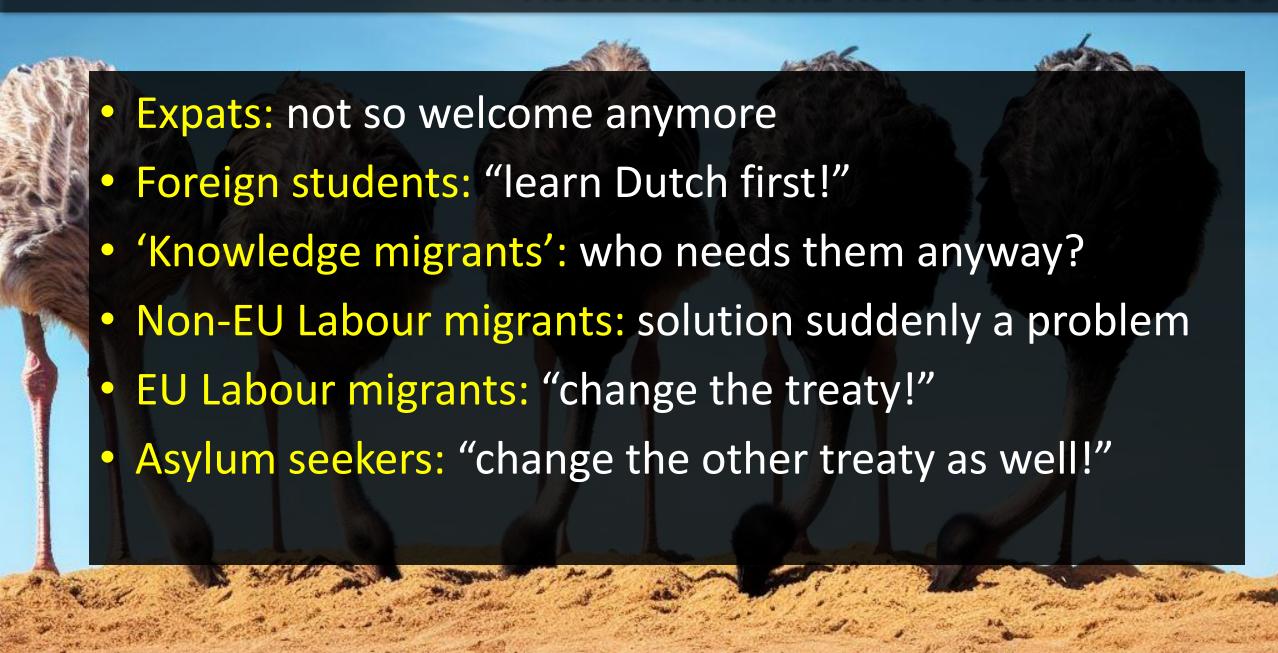
#### **AGING**



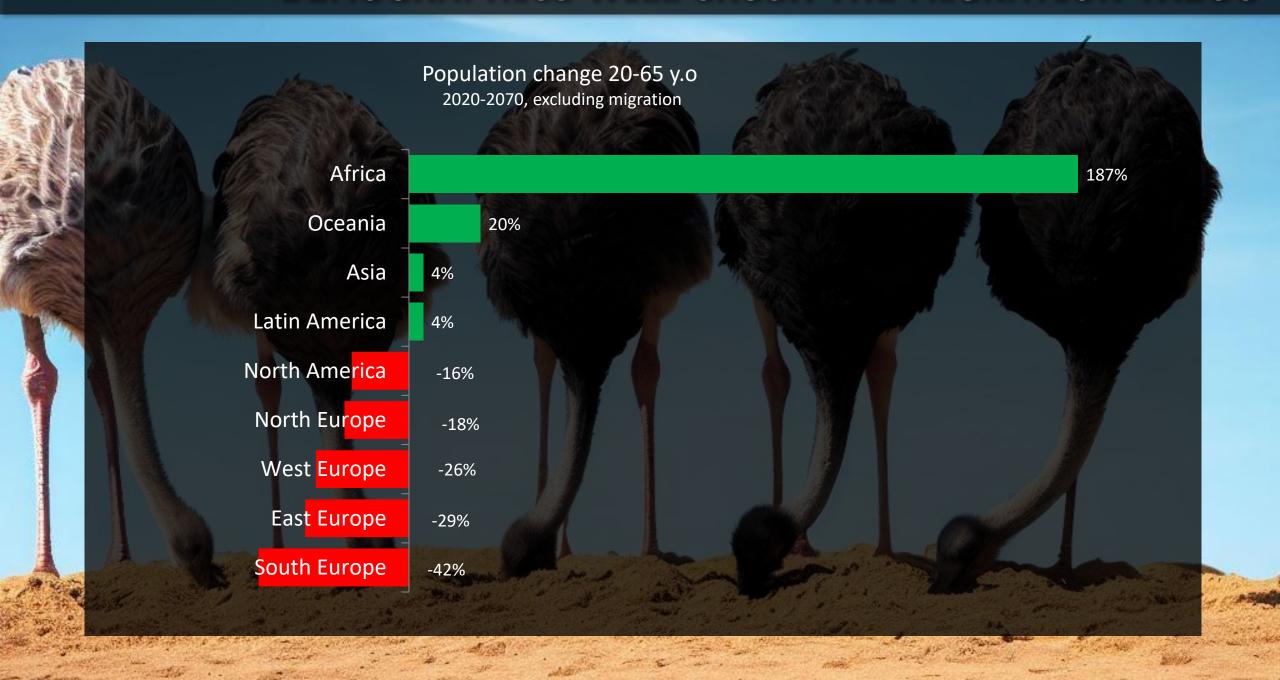
#### **WORKING AGE POPULATION**



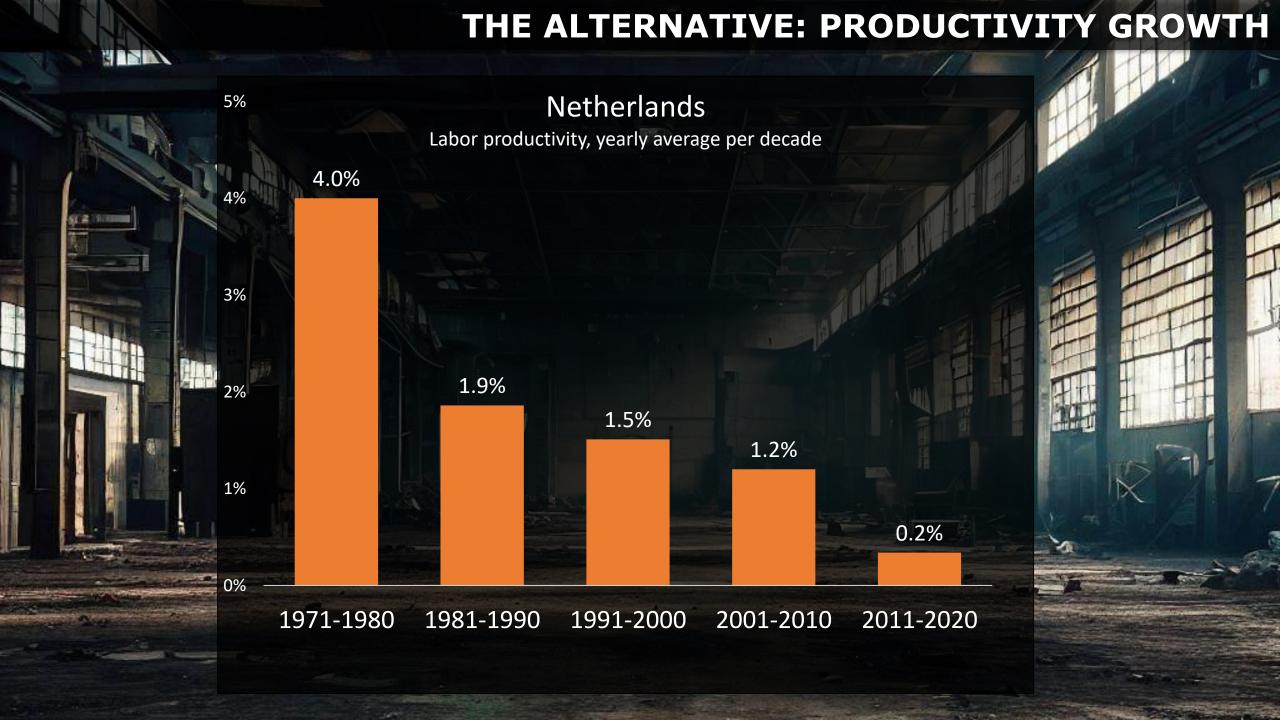
#### **MIGRATION: THE NEW POLITICAL TABOO**



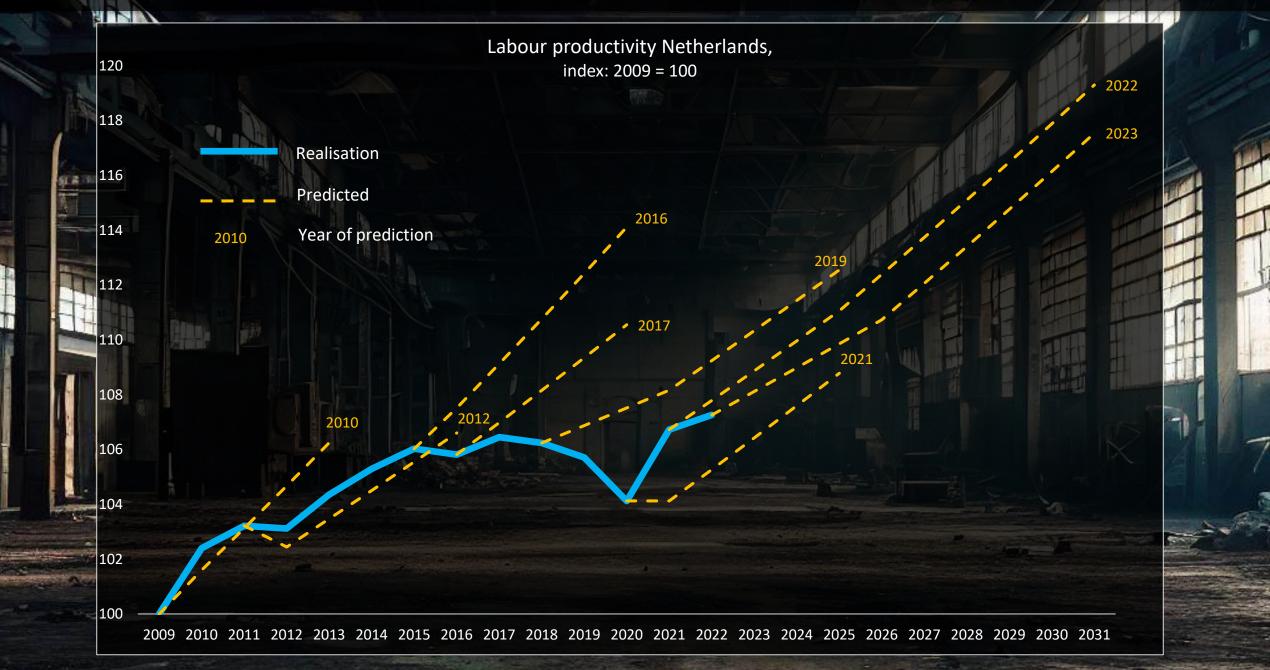
#### **DEMOGRAPHICS WILL CRUSH THE MIGRATION TABOO**

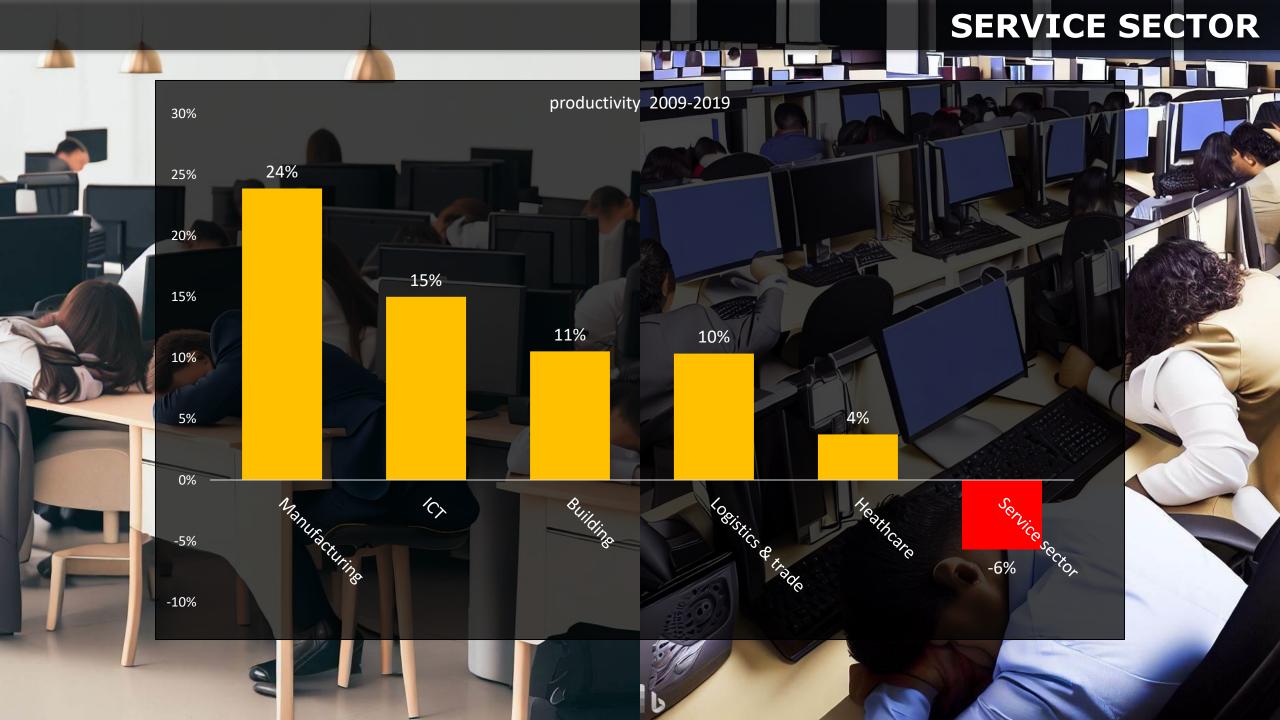




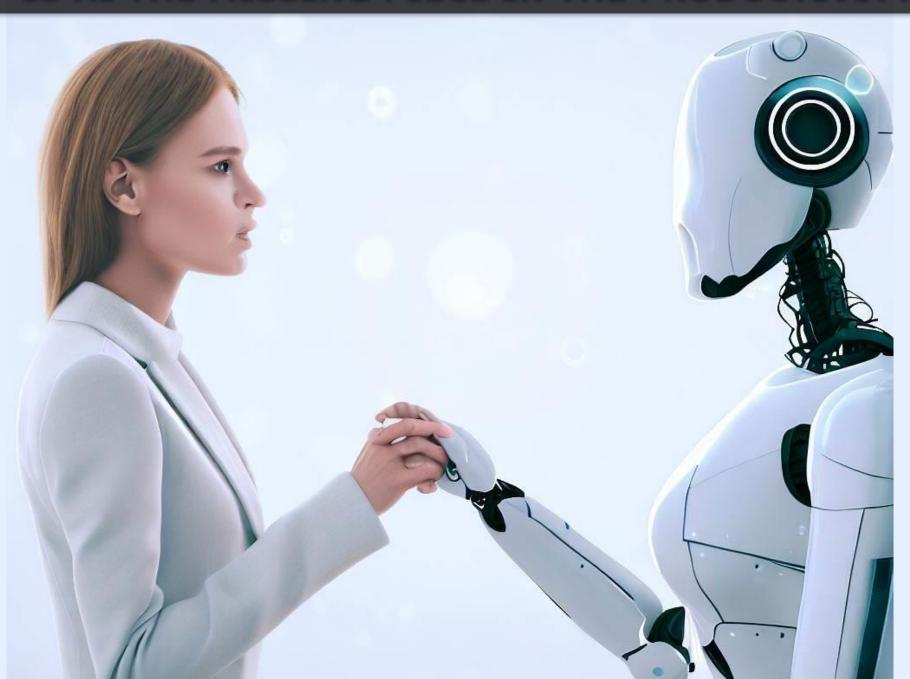


#### PRODUCTIVITY: ALWAYS DISSAPOINTING

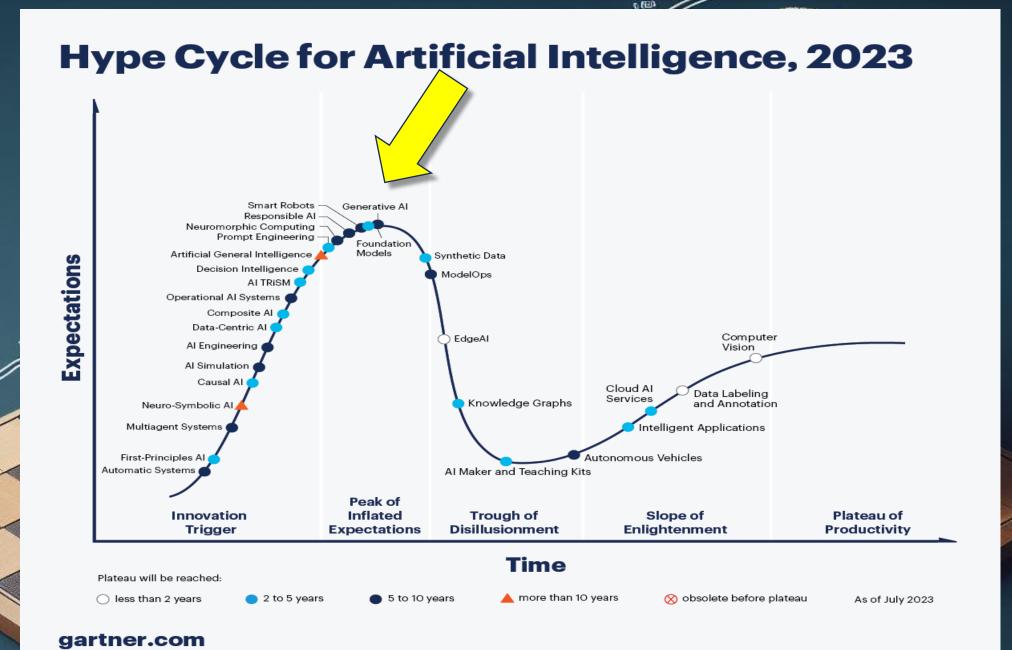




#### IS AI THE MISSING PIECE IN THE PRODUCTIVITY PUZZLE?



#### **TECHNOLOGY HYPE CYCLE**



1000

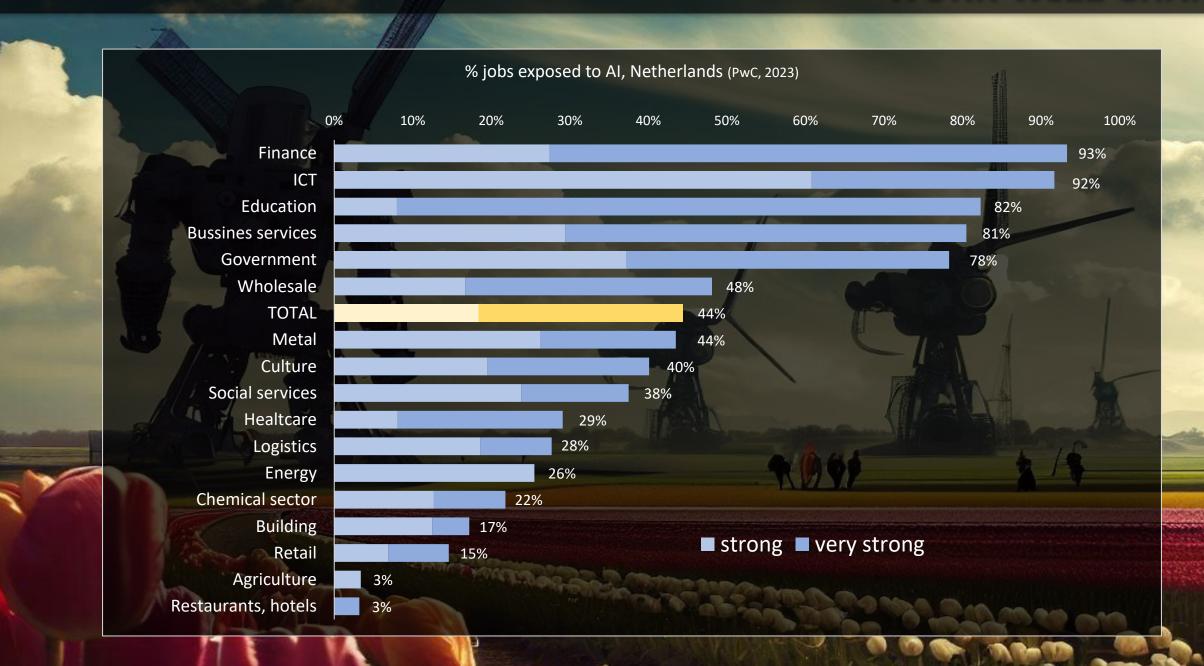
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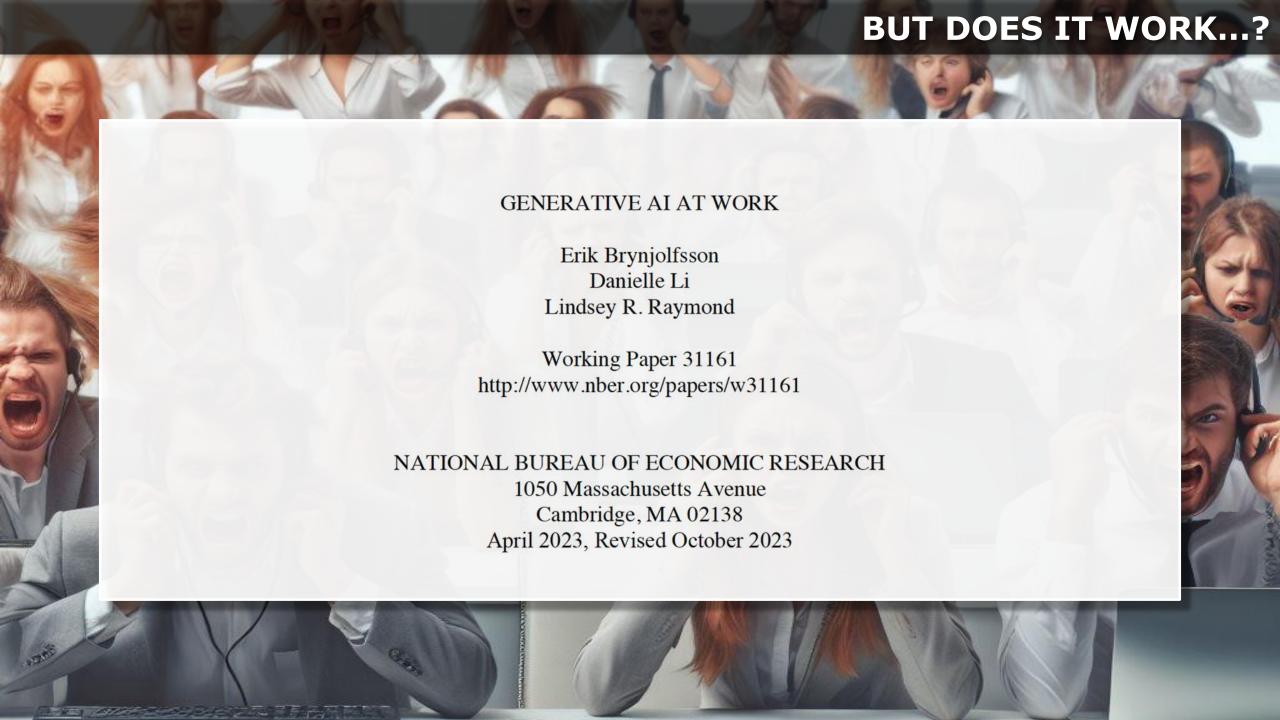
#### **GOLDMAN SACHS**

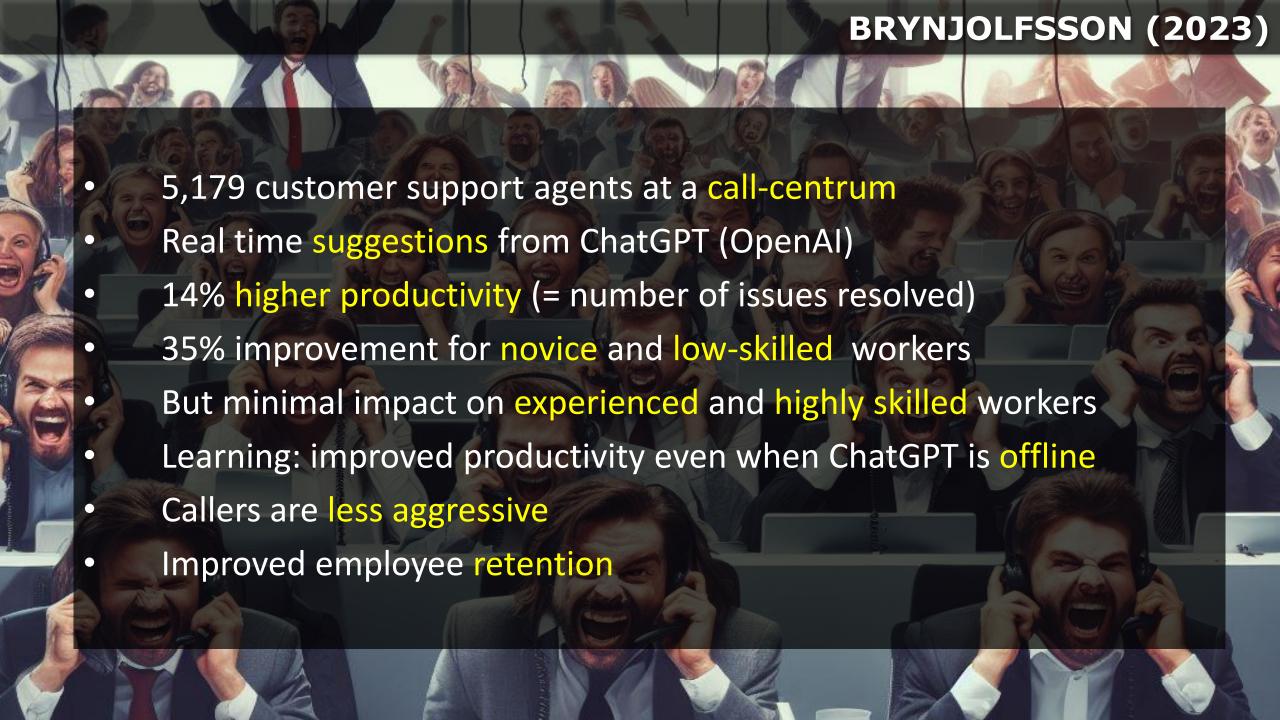
#### madrocconomic chocts.

If generative AI delivers on its promised capabilities, the labor market could face significant disruption. Using data on occupational tasks in both the US and Europe, we find that roughly two-thirds of current jobs are exposed to some degree of AI automation, and that generative AI could substitute up to one-fourth of current work. Extrapolating our estimates globally suggests that generative AI could expose the equivalent of 300mn full-time jobs to automation.

#### **WORK WILL CHANGE**







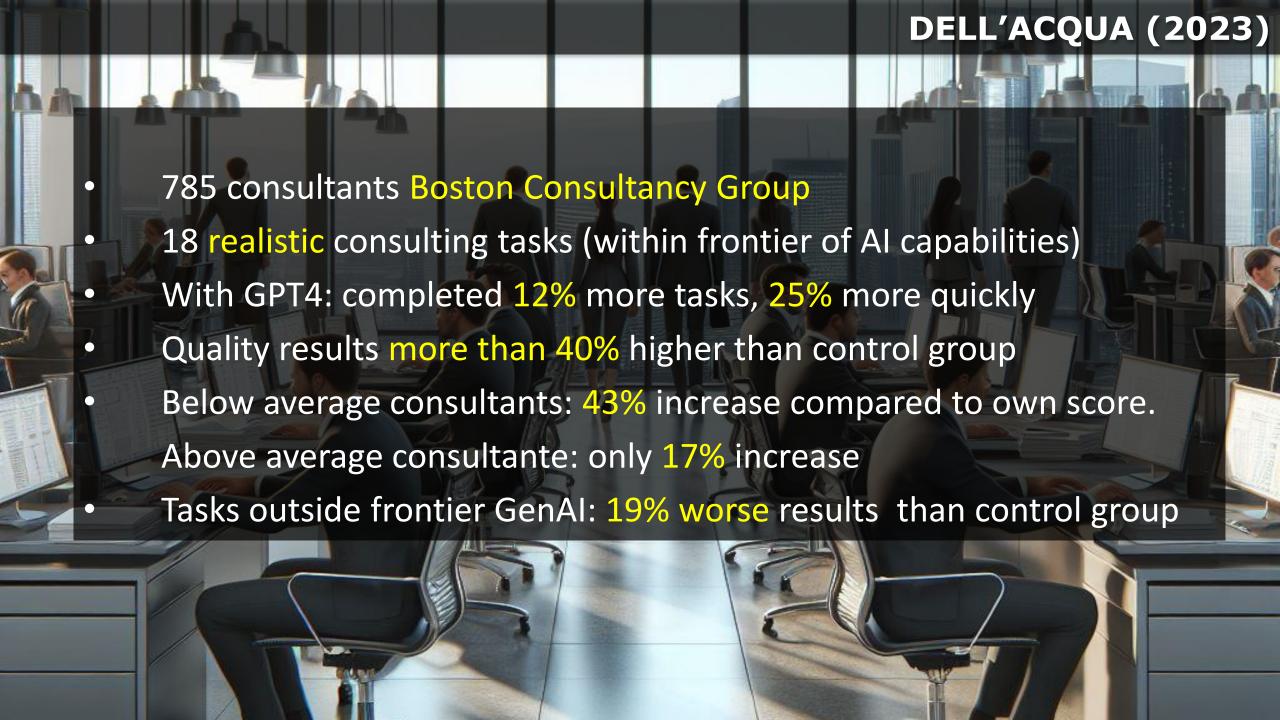
#### **EN HIGH SKILLED JOBS?**

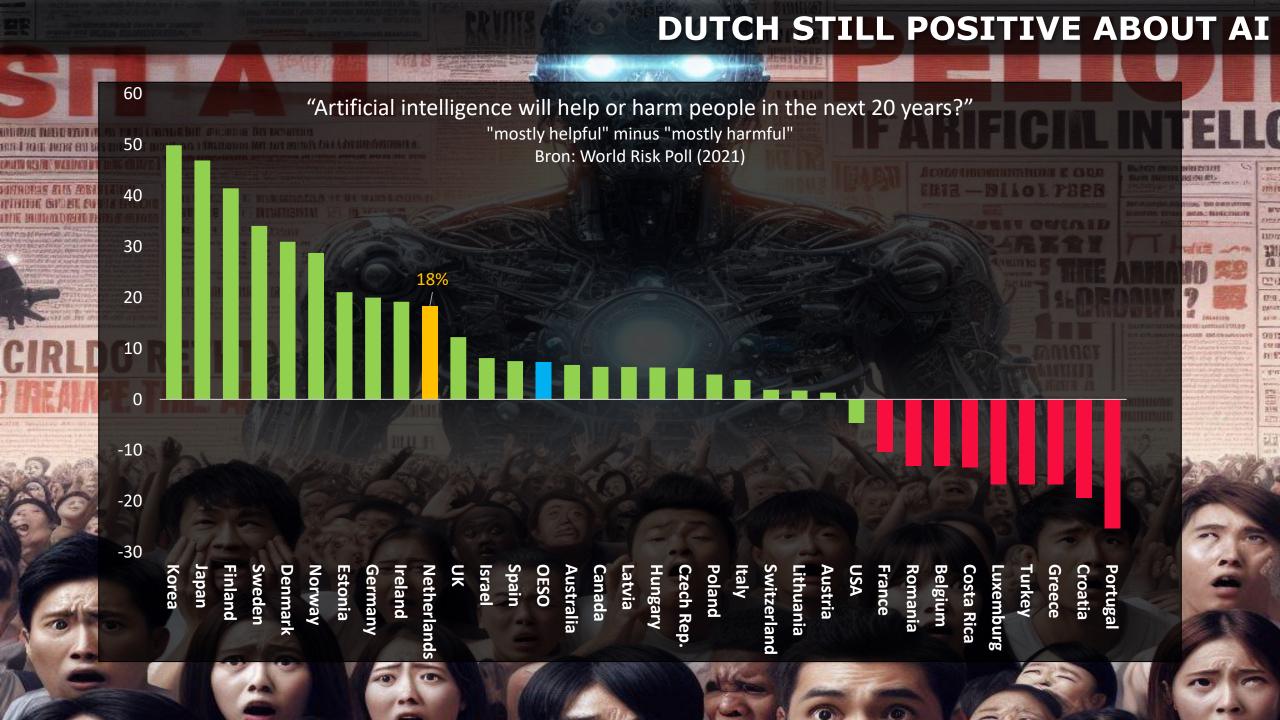
Navigating the Jagged Technological Frontier: Field Experimental Evidence of the Effects of AI on Knowledge Worker Productivity and Quality\*

Fabrizio Dell'Acqua<sup>1</sup>, Edward McFowland III<sup>1</sup>, Ethan Mollick<sup>2</sup>, Hila Lifshitz-Assaf<sup>1,3</sup>, Katherine C. Kellogg<sup>4</sup>, Saran Rajendran<sup>5</sup>, Lisa Krayer<sup>5</sup>, François Candelon<sup>5</sup>, and Karim R. Lakhani<sup>1</sup>

<sup>1</sup>Digital Data Design Institute, Harvard Business School; <sup>2</sup>The Wharton School, University of Pennsylvania; <sup>3</sup>Warwick Business School, Artificial Intelligence Innovation Network; <sup>4</sup>MIT Sloan School of Management; <sup>5</sup>Boston Consulting Group, Henderson Institute

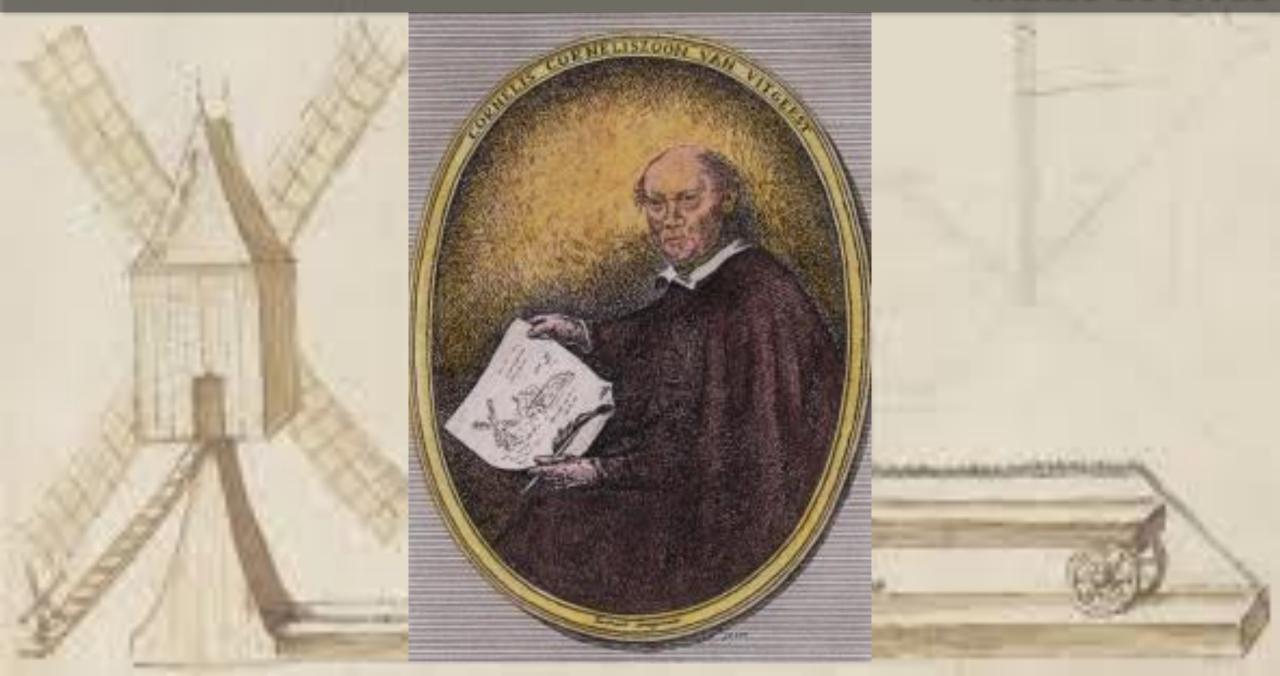
September 22, 2023





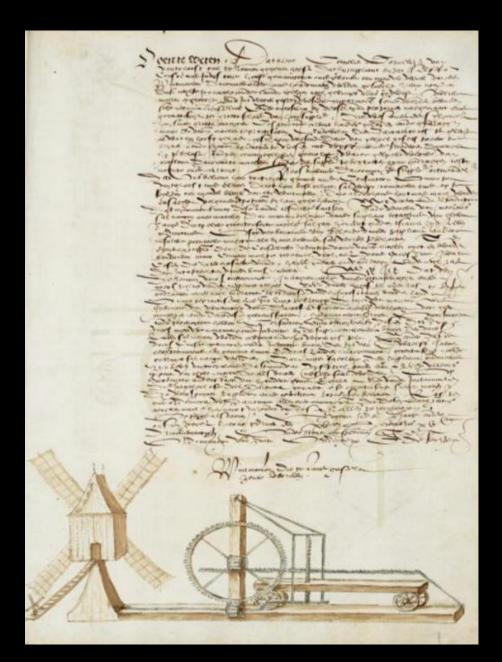


### **KRELIS LOOTJES**



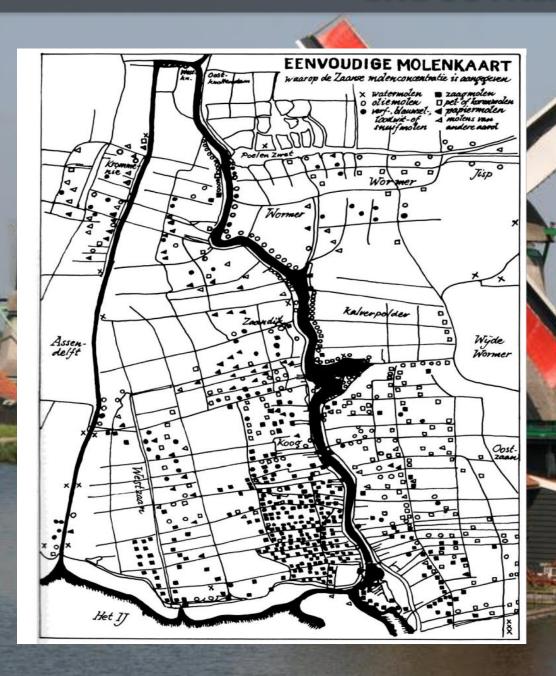
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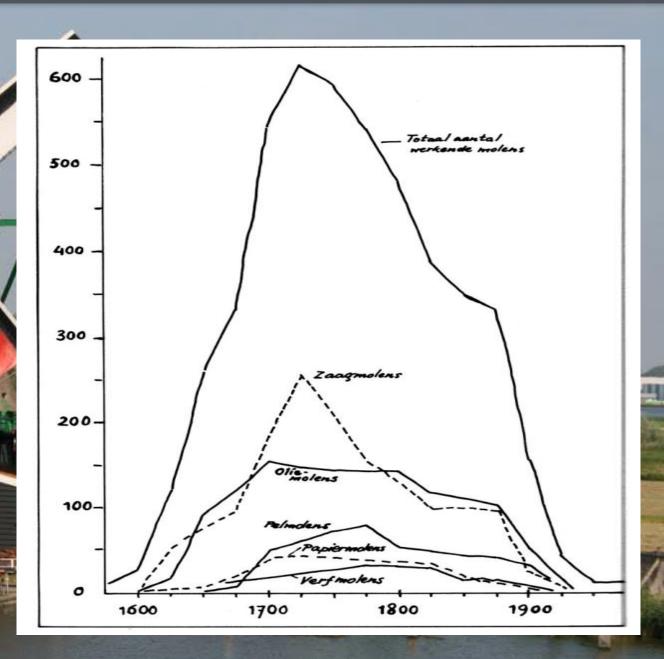
#### WIND POWERED SAWMILL 1593



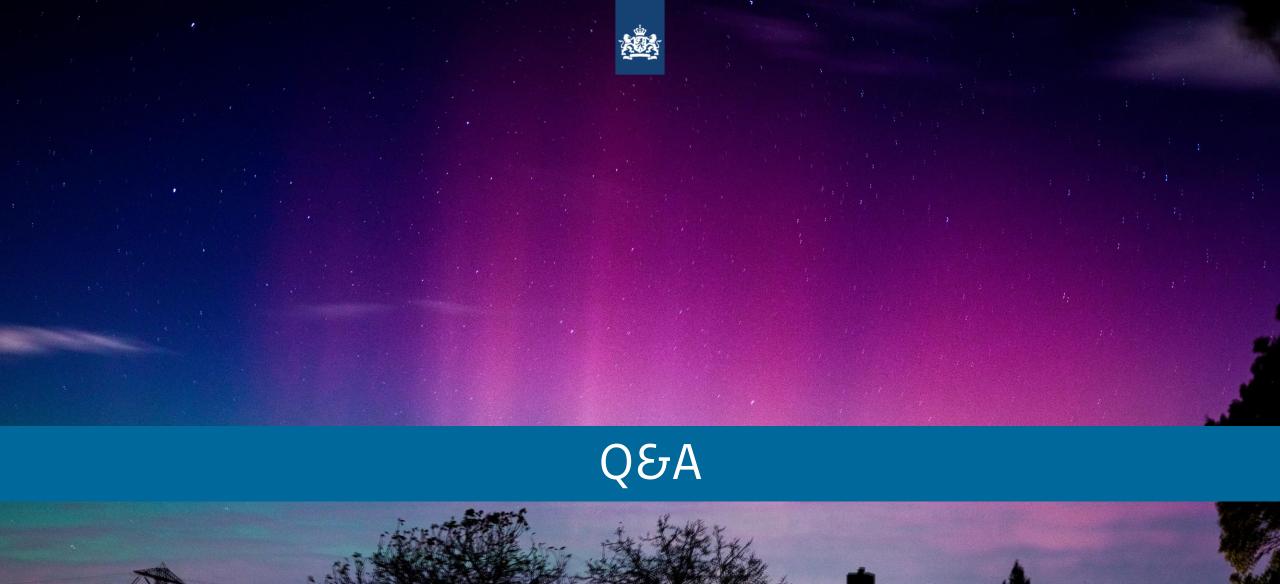


#### INDUSTRIAL REVOLUTION MOVED TO ZAANDAM















## Primary Dealers for 2024



























Nordea





### Advisors 2024



ABN-AMRO

citigroup

Jefferies



Goldman Sachs





# DSTA Dutch Treasury Certificate Award DTC Market





# DSTA Dutch State Loan Award DSL Market







## Outlook 2024

Thank you for joining us today

Read the publication at English.DSTA.nl