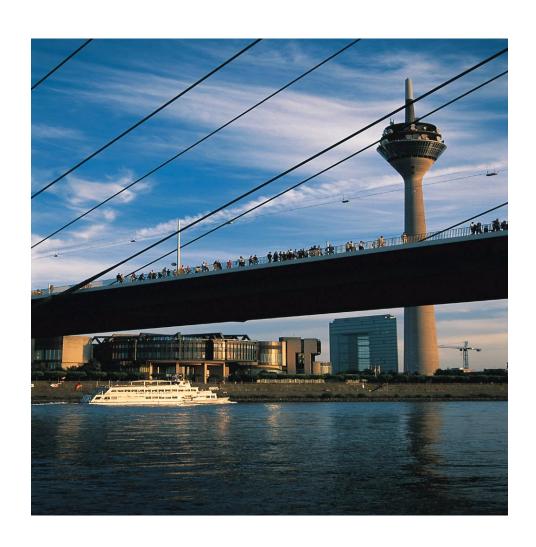
# **State of North Rhine-Westphalia**

## **Capital Markets Presentation**





**May 2025** 

## **Profile of the State**

#### **Constitutional Framework**

#### **Federal System & State Autonomy**

Germany is a Federal Republic, with two concurrent levels of government: Federation ("Bund") and States ("Länder"). The Länder have their own legislative, judicial and executive powers. They are independent with regard to their budgets and play an active role in the federal legislative process.

#### **Federal Equalization System**

Federal law provides that tax revenues must be shared between Bund and Länder in an equitable fashion in order to provide equal standards of living throughout the country.

#### Allegiance to the Federation ("Bundestreue")

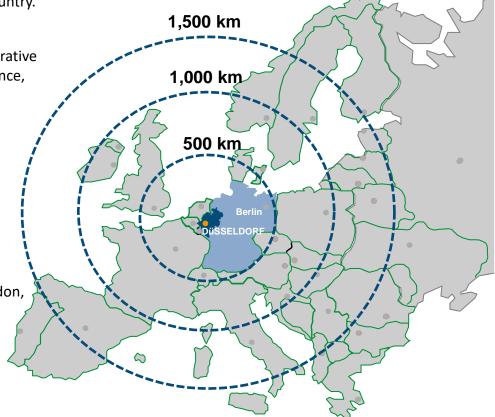
Bund and Länder are under an obligation to share the administrative tasks and provide mutual assistance, including financial assistance, in cases of extreme budgetary hardship.

#### Zero Borrowing Rule ("Debt Brake")

The constitution for the Federal Republic sets out that under regular circumstances, the Bund must limit its structural budget deficit to 0.35% of GDP. In 2025 new exemptions are set into law.

#### In the Heart of Europe

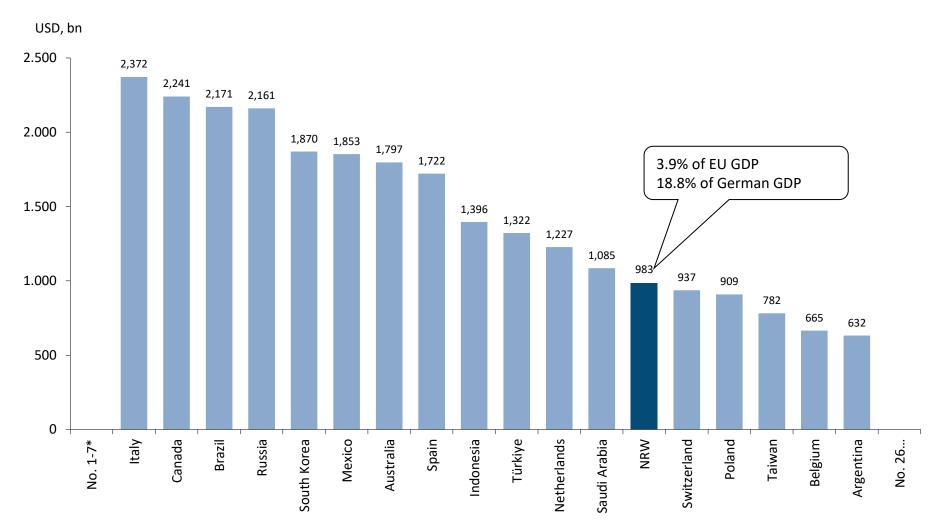
Approx. 160 million inhabitants live around 500km of the State capital Düsseldorf, covering almost whole Germany, Paris, London, Brussels, Amsterdam, Zurich



# One of the Top 20 Economies Worldwide



## 7th biggest economy in Europe



<sup>\*</sup>USA, China, Germany, Japan, India, United Kingdom, France

Sources: GDP 2024 as published by IMF, World Economic Outlook Database (April 2025), Statistical Office NRW

# **State of North Rhine-Westphalia**



Miele

#### Largest German State in Terms of Population and GDP

- Nine of the 30 German companies ranked in the Fortune Global 500 are headquartered in NRW.
- More than 700,000 small and medium-sized companies with a focus on technology and services, media and health care.
- Location of numerous energy-intensive industries (chemicals, steel, aluminum, glass)
- Densest research network within Europe (70 universities; over 110 research institutions)

Area	34,112 km²
Population	18.2m
Unemployment 2024	7.5%
Real Growth 2024	-0.4%



Lufthansa BERTELSMANN @ EVONIK

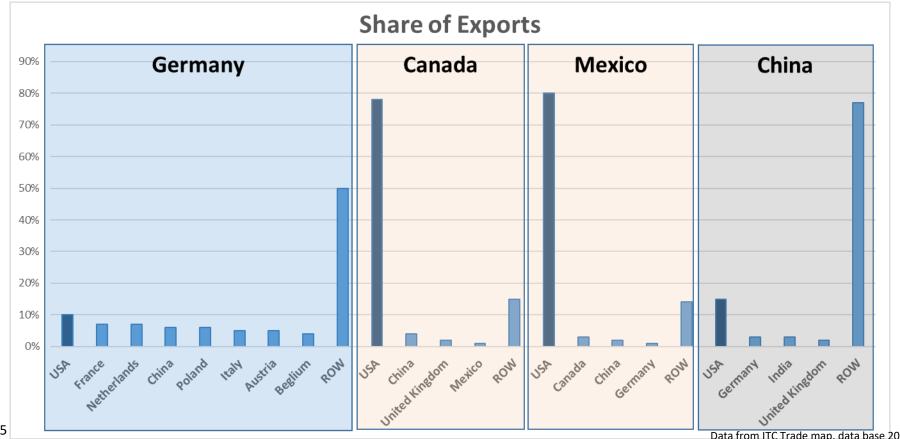


# **Tariff Tango**



## The impact of the upcoming trade war

- With announcing the reciprocal tariffs on almost every country in the world the US administration kicks off a new era of trade war and protectionism.
- With the fear of a recession the announcement was followed by the biggest crash in stock markets since Covid-19 pandemic.
- After all Germanys and NRWs trading partners are better diversified than North America:



## **Guarantor to NRW.BANK & EAA:**

#### An overview of "NRW Issuers"

#### State of North Rhine-Westphalia



- 100 % ownership
- Institutional liability
- Guarantor liability
- Refinancing Guarantee

- 48,2 % ownership
- Institutional liability
- Guarantor liability



Promotional Bank owned by the State of NRW to support structural, economic, social and housing policy tasks



Asset Manager with the public mandate to wind up the portfolio transferred from the former WestLB AG

# **Taxation in Germany**

### Distribution of Tax Revenue 2024 [EUR bn]

Taxation in Germany is based on federal law. **Federal Taxes** EUR 104bn (11%) Administration is carried out by the Länder through their regional tax offices. **Municipal Taxes** EUR 68bn (7%) Revenues from Value Added Tax, Income Tax and Corporate Tax (together, joint taxes) are split **Länder Taxes** between Bund, Länder and municipalities EUR 27bn (3%) (e.g. Income Tax: Bund 42.5%, Länder 42.5%, **Import Duties** municipalities 15%). EUR 6 bn (1%) Bund, Länder and municipalities also have exclusive revenue claims in specific areas (e.g. Bund: energy tax, Länder: inheritance tax, municipalities: property tax, commercial tax). **Joint Taxes** EUR 726bn (78%)

# **Assignment of Joint Taxes**

## Article 106 (3) German Constitution

The Bund and the Länder shall share equally the revenues generated by income and corporate taxes.

The respective shares of the Bund and the Länder in the revenue from the **turnover tax** shall be determined by a federal law requiring the consent of the Bundesrat. Such determination shall be based on the following principles:

- The Bund and the Länder shall have an equal claim against current revenues
  to cover their necessary expenditures. The extent of such expenditures shall
  be determined with due regard to multi-year financial planning.
- 2. The financial requirements of the Bund and of the Länder shall be coordinated in such a way as to establish a fair balance, avoid excessive burdens on taxpayers, and ensure uniformity of living standards throughout the federal territory.

Distribution of VAT 2024: Bund approx. 47.9%, Länder 49.4%, Municipalities 2.7% (according to Financial Equalisation Act)

# **Support in Cases of Budgetary Hardship**



Federal Constitutional Court, Order of 19 October 2006 – 2 BvF 3/03

Supplementary federal grants pursuant to Article 107 (2) 5 of the German Constitution are the final component in a multi-level system for distributing fiscal revenues within the federal system. The purpose of this distribution is to **enable Bund and Länder to fulfill their constitutional tasks in a self-reliant and autonomous manner**.

**Supplementary federal grants** for the purpose of aiding the budget consolidation of a financially weak Land are subject to a strict **ultima ratio** principle. Such financial rescue measures are only permissible and required under constitutional law where the budgetary crisis of a Land is severe in relative terms, i.e. in comparison to the other Länder, and where the crisis has reached such a severe level in absolute terms, i.e. with regard to the tasks assigned to the Land under constitutional law, that it has led to a **federal emergency**.

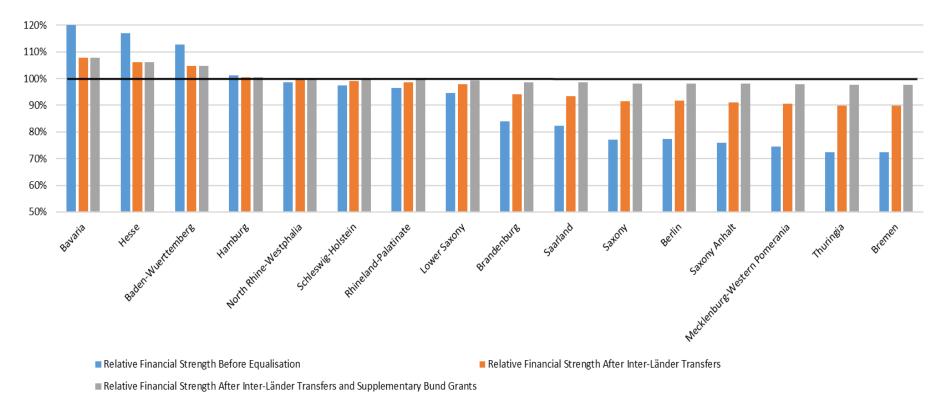
Such an emergency can only be assumed if the very existence of a Land – as an entity with state functions – is threatened and if that Land cannot avert this threat without third-party assistance. This presupposes that the Land has exhausted all alternative means available so that federal assistance is its last remaining option.

# **Creating a Level Playing Field**



## Results of the Federal Equalization Scheme for German Länder in 2024

- The constitution demands equal standards of living for all citizens in Germany
- Federal Equalization Scheme provides the necessary adjustments
- Lion's share of equalization accomplished by Inter-Länder transfers (18.6bn)
- Supplementary Bund grants provide additional support (0,6bn)

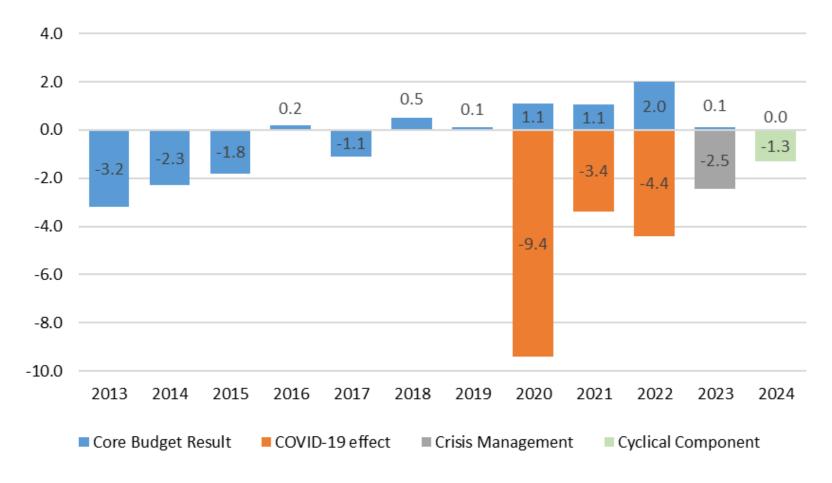


# **Aiming for a Surplus**



### The Core Budget of the State compliant with debt brake [EUR bn]

 Deficits related to the Covid-19 pandemic and the Russian invasion of Ukraine are compliant with the debt brake (emergency situation) as well as the cyclical component due to economical downturn.



## Whatever It takes!



### Adjustments of the constitution – Focus on defence capability

- After a shift in transatlantic relations between USA and Europe and the ongoing Russian
  assault on Ukraine, Germany receives a wake-up call after years of low expenditures e.g.
  in defence, the parliament adjusted the debt brake.
- A short overview how the debt brake actually looks like and what will be new:



## **Debt Brake**



#### **NRW**

§18a (1) State Budget regulations

#### Rule:

- Structural new debt of 0.35% of GDP
- Structural new debt for defence expenditures/ intelligence services/etc above 1% of GDP

**Federation** 

Art 109 (3) German Constitution

#### **Exemptions:**

- Special funds with own credit authorization
  - Economic Stabilisation Fund (350bn)
  - Financial Market Stabilisation Fund (100bn)
  - Special fund Bundeswehr (100bn)
  - Special fund for additional expenditures for Infrastructure and Climate neutrality (500bn)
    - 100bn for the Länder
    - 100bn for Climate/Transformation fund

Additionality means the regular federal budget must achieve 10% investment ratio

#### Rule:

- No structural new debt
- Structural new debt of 0.35% of GDP

#### **Exemptions:**

- Special funds with own credit authorization
  - Corona rescue package (20bn)
  - Energy crisis (2.4bn)



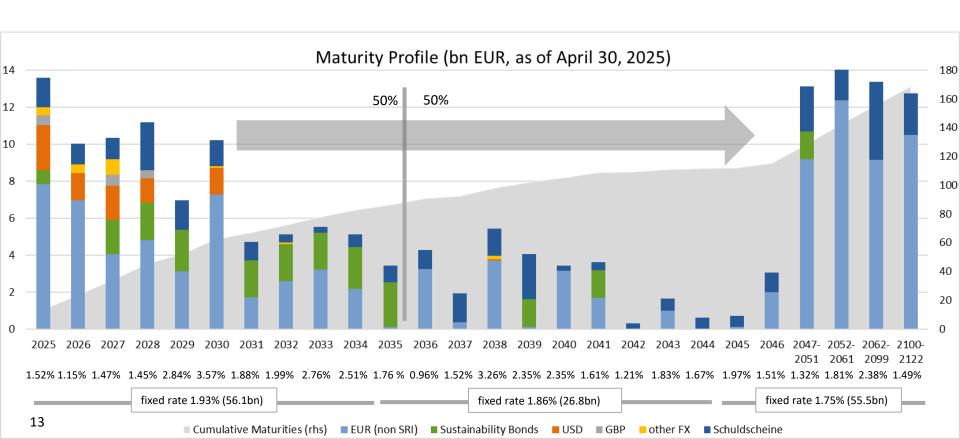
## **Debt Portfolio of the State of NRW**



### Benchmark Strategy with a Focus on Duration

- Debt Outstanding (as of April 30, 2025)
- Weighted Average Maturity
- Weighted Average Coupon on Fixed Rate Debt
- Funding Program 2025
- Already Funded (as of April 30, 2025)

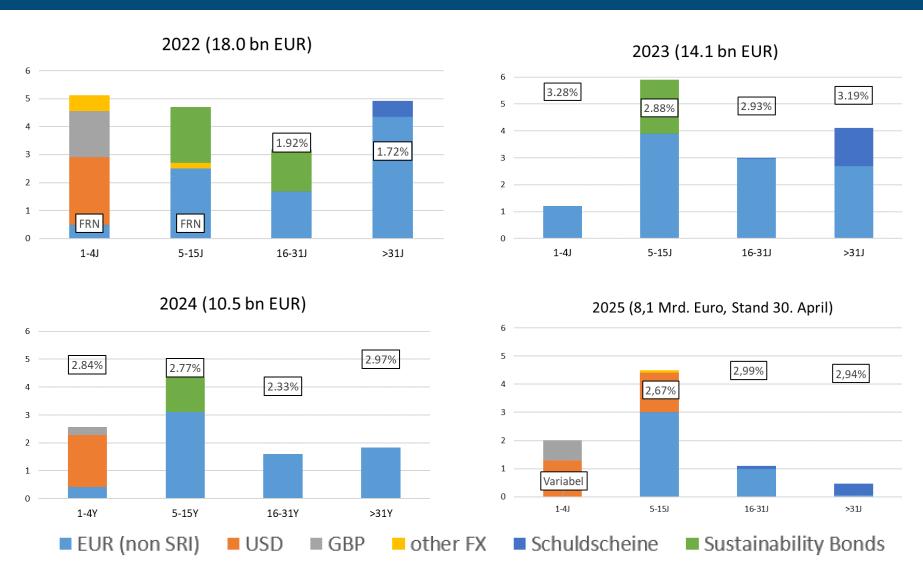
- 162.6bn (138.9bn at fixed rates)
- 19.7y
- 1.89%
- 13.7bn
- 8.1bn



## **Active across the Curve**



## Breakdown of Issuances across Tenors and Yields [EUR bn, Fixed Rates]



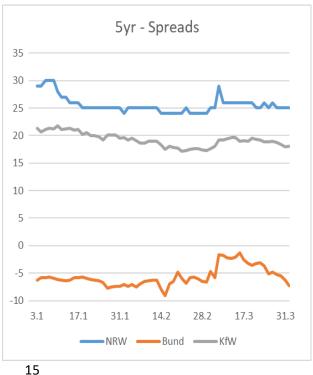
# The biggest European Sub-Sovereign

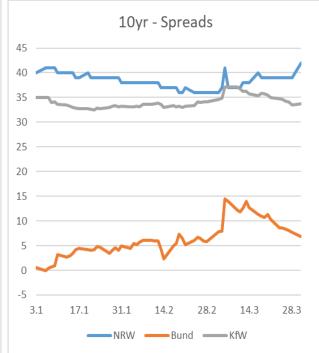


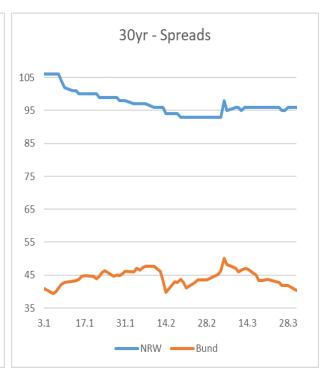
### Yields across Tenors compared to Bund and KfW for Q1 2025

- NRW is offering a decent pick-up against Bund and KfW
- basically the same credit due to the federal equalization scheme (Slide 10)
- Average pick-up in Q1 2025:

in bp	5y	10y	30y
Bund	31	32	53
KfW	6	4	n/a







# **Building a Liquid EUR-Curve**

## Maximum Size for EUR Benchmark Bonds (non SRI) is 3bn



ISIN	Settlement	Maturity	Coupon	Size Outstanding (EUR mn)	Review Next Tap
DE000NRW0LN	13.03.2019	13.03.2026	0,25%	3.000	
DE000NRW0L8	31.03.2020	31.03.2027	0,20%	3.000	
DE000NRW0NP	27.10.2022	27.01.2028	3,00%	2.500	
DE000NRW0MK	15.09.2020	15.01.2029	0,00%	1.250	
DE000NRW0PJ	06.06.2024	06.06.2029	3,00%	1.500	2026
DE000NRW0PU	15.01.2025	15.01.2030	2,65%	2.000	
DE000NRW0MA	09.04.2020	09.04.2030	0,20%	3.000	
DE000NRW0JQ	21.07.2016	21.07.2031	0,63%	1.200	
DE000NRW0NW	01.02.2023	15.01.2032	2,75%	2.500	
DE000NRW215	29.05.2013	13.05.2033	2,38%	3.000	
DE000NRW0PN	05.09.2024	05.09.2034	2,70%	2.000	
DE000NRW0JJ	12.05.2016	12.05.2036	1,25%	3.000	
DE000NRW0KZ	22.02.2018	22.02.2038	1,65%	3.000	
DE000NRW0K5	12.06.2018	12.06.2040	1,50%	3.000	
DE000NRW0JV	01.09.2016	16.08.2041	0,75%	1.250	
DE000NRW0KT	12.12.2017	16.02.2043	1,45%	1.000	
DE000NRW0J2	03.11.2016	16.10.2046	1,00%	2.000	
DE000NRW0KE	18.05.2017	16.05.2047	1,65%	3.000	
DE000NRW0KF	30.06.2017	16.06.2048	1,55%	3.000	
DE000NRW0LV	30.07.2019	30.07.2049	0,80%	2.000	
DE000NRW0MJ	02.09.2020	02.09.2050	0,38%	1.250	
DE000NRW0MQ	28.01.2021	27.01.2051	0,20%	1.500	
DE000NRW0M3	22.09.2021	15.01.2052	0,50%	2.500	
DE000NRW0NX	01.02.2023	15.01.2053	2,90%	2.500	
DE000NRW0PE	20.03.2024	20.03.2054	3,00%	2.000	
DE000NRW0KM	26.10.2017	26.10.2057	1,75%	3.000	
DE000NRW0LA	11.07.2018	11.07.2068	1,75%	3.000	
DE000NRW0N2	07.03.2023	07.03.2073	3,40%	3.000	
DE000NRW0LC	26.09.2018	26.09.2078	1,95%	3.000	
DE000NRW0LQ	21.03.2019	21.03.2119	2,15%	3.000	
DE000NRW0L1	15.01.2020	15.01.2120	1,38%	3.000	
DE000NRW0MP	12.01.2021	10.01.2121	0,95%	3.000	
DE000NRW0M9	19.01.2022	19.01.2122	1,45%	1.500	
Weighted Average Coupon / C	Current Size Outstandin	g	1,60%	78.450	

# Building a Liquid Curve – Focus on other FX



- Main currency is EUR so all foreign currencies need to be swapped back into our core currency.
- NRW is committed to establish a liquid USD curve up to 5 years.
- Other currencies e.g. GBP only arbitrage driven and reducing the appearance in the EUR market.

### **USD**

WKN Code	ISIN	Settlement	Maturity	Coupon	Size Outstanding (mn)
NRWOMW	XS2333676729	21.04.2021	21.04.2026	1,00%	1.750
NRW0PD	XS2764875584	16.02.2024	16.02.2027	4,375%	2.000
NRW0P2	XS3058822670	24.04.2025	25.04.2028	4,000%	1.500
NRW0PY	XS2999676385	12.02.2025	12.02.2030	4,375%	1.500
Weighted Average Coupon / Current Size Outstanding				3,42%	6.750

### **GBP**

WKN Code	ISIN	Settlement	Maturity	Coupon	Size Outstanding (mn)
NRWOPS	XS2936665392	11.11.2024	11.11.2027	4,50%	500
NRWOPZ	XS3028070608	18.03.2025	23.10.2028	4,375%	350
<b>Weighted Avera</b>	ge Coupon / Current Siz	ze Outstanding		4,45%	850

# A History of Successful SRI Issuances

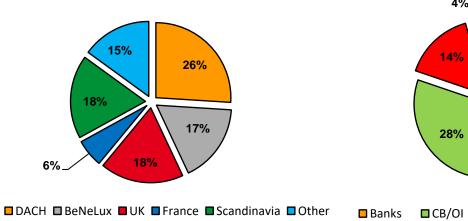
# Sustainability Bonds by NRW are not subject to Taps

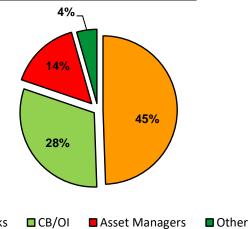
Transaction	ISIN	Settlement	Maturity	Coupon	Size (mn)	Reoffer (bps)	Budget Year
Sustainability Bond #3	DE000NRW0KB	07.03.2017	16.02.2027	0.50%	1,825	-14	2016
Sustainability Bond #4	DE000NRW0K0	13.03.2018	13.03.2028	0.50%	2,025	-14	2017
Sustainability Bond #5	DE000NRW0LM	13.03.2019	13.03.2034	1.10%	2,250	10	2018
Sustainability Bond #6/1	DE000NRW0LZ	26.11.2019	26.11.2029	0.00%	1,000	-3	2019
Sustainability Bond #6/2	DE000NRW0L0	26.11.2019	25.11.2039	0.50%	1,500	9	2019
Sustainability Bond #7	DE000NRW0ML	12.10.2020	12.10.2035	0.00%	2,400	7	2020
Sustainability Bond #8/1	DE000NRW0MY	04.06.2021	04.06.2031	0.125%	2,000	0	2021
Sustainability Bond #8/2	DE000NRW0MZ	04.06.2021	04.06.2041	0.60%	1,500	9	2021
Sustainability Bond #9/1	DE000NRW0NF	15.06.2022	15.06.2032	2.00%	2,000	-6	2022
Sustainability Bond #9/2	DE000NRW0NG	15.06.2022	14.06.2052	2.25%	1,500	35	2022
Sustainability Bond #10	DE000NRW0N6	07.06.2023	07.06.2033	2.90%	2,000	3	2023
Sustainability Bond #11	DE000NRW0PR	21.10.2024	15.10.2029	2.50%	1,250	15	2024
Weighted Average Coupon / Total		1.06%	21,250				



# EUR (5y)

Issuer	State of North Rhine-Westphalia
Issue Rating	Aa1 by Moody's (stable), AA by S&P (negative), AAA by Fitch (stable), AAA by Scope (stable)
Issue Size	EUR 2.0bn
Status and Format	Collective Debt Register Claim, RegS, Senior Unsecured
Maturity Date	January 15th, 2030
Settlement Date	January 15th, 2025
Coupon	2.65% annually act/act ICMA
Reoffer Spread	MS +29bps
ISIN	DE000NRW0PU2
Lead Managers	Barclays, Deutsche Bank, Goldman Sachs, NatWest Markets, Nomura

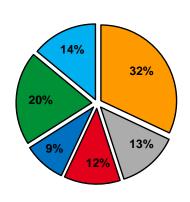


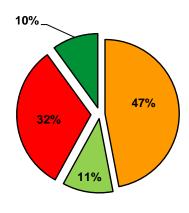




# EUR (10y)

Issuer	State of North Rhine-Westphalia
Issue Rating	Aa1 by Moody's (stable), AA by S&P (negative), AAA by Fitch (stable), AAA by Scope (stable)
Issue Size (Tap) Outstanding Size	EUR 1bn EUR 2bn
Status and Format	Collective Debt Register Claim, RegS, Senior Unsecured
Maturity Date	September 5th, 2034
Settlement Date	March 25th, 2025
Coupon	2.70% annually act/act ICMA
Reoffer Spread	MS +43bps
ISIN	DE000NRW0PN7
Lead Managers	BNP Paribas, ING, LBBW, Morgan Stanley, UniCredit

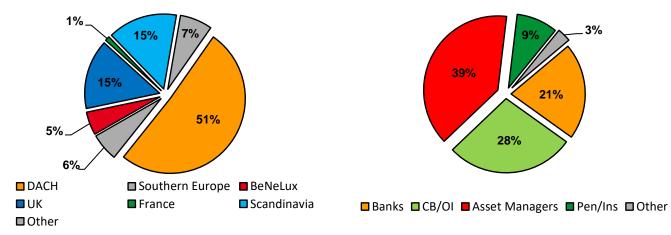






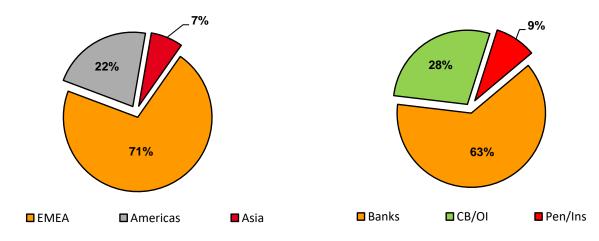
# EUR (30y)

Issuer	State of North Rhine-Westphalia
Issue Rating	Aa1 by Moody's (stable), AA by S&P (stable), AAA by Fitch (stable)
Issue Size (Tap) Outstanding Size	EUR 1bn EUR 2bn
Status and Format	Collective Debt Register Claim, RegS, Senior Unsecured
Maturity Date	March 20th, 2054
Settlement Date	January 15th, 2025
Coupon	3.00% annually act/act ICMA
Reoffer Spread	MS +106bps
ISIN	DE000NRW0PE6
Lead Managers	Barclays, Deutsche Bank, Goldman Sachs, NatWest Markets, Nomura



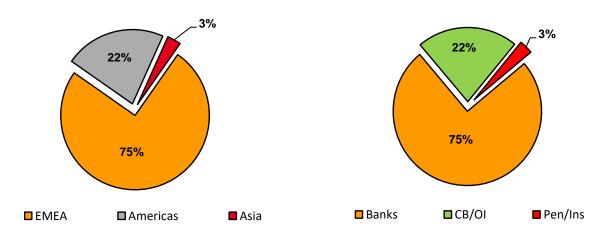
# **USD (3y)**

Issuer	State of North Rhine-Westphalia
Issue Rating	Aa1 by Moody's (stable), AA by S&P (negative), AAA by Fitch (stable), AAA by Scope (stable)
Issue Size	USD 1.5bn
Status and Format	Global Bearer Note, RegS, Senior Unsecured
Maturity Date	April 25th, 2028
Settlement Date	April 25th, 2025
Coupon	4.000% annually 30/360
Reoffer Spread	SOFR MS +44bps/ +15.9 bps vs. US Treasury
ISIN	XS3058822670
Lead Managers	BofA, Daiwa, DZ Bank, RBC, TD



# USD (5y)

Issuer	State of North Rhine-Westphalia
Issue Rating	Aa1 by Moody's (stable), AA by S&P (negative), AAA by Fitch (stable), AAA by Scope (stable)
Issue Size	USD 1.5bn
Status and Format	Global Bearer Note, RegS, Senior Unsecured
Maturity Date	February 12th, 2030
Settlement Date	February 12th, 2025
Coupon	4.375% annually 30/360
Reoffer Spread	SOFR MS +46bps/ +17.9 bps vs. US Treasury
ISIN	XS2999676385
Lead Managers	CIBC, Bank of Montreal, J.P. Morgan, RBC, Scotiabank



# **Liquidity Management**

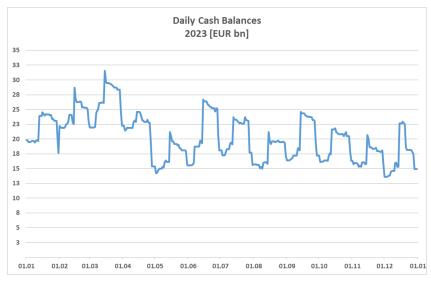
## Active and Well-Established Money Market Presence

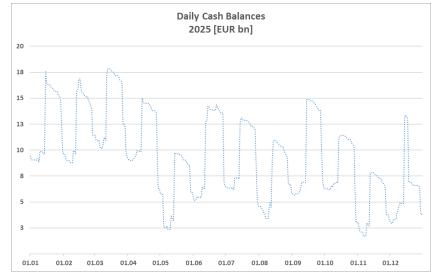


**Daily Cash Balances** 

2024 [EUR bn]







25

# **NRW Sustainability Bond**

# Framework



ACT, TOGETHER, SUSTAINAB

- Aligned with <a href="NRW Sustainability Strategy">NRW Sustainability Strategy</a> (2020) aiming at implementing the Sustainable Development Goals (SDGs) at State level
- NRW Sustainability Bond Framework aligned with ICMA Principles & Sustainability Bond Guidelines and comprises 14 categories
- SPO for Sustainability Bond Framework & separate SPO for eligible assets of each Sustainability Bond
- Allocation & Impact Report published post issuance
- Information on all previous Sustainability Bonds including framework, description of projects, SPOs, and impact reports is available at our website of <u>Sustainability Bonds</u>

# **Project Selection & Management of Proceeds**



#### Comprehensive Pre-Issuance Disclosure

- Amount equivalent to net issue proceeds of the Sustainability Bonds will be used to cover expenditures for selected environmental and social projects
- All projects are part of NRW's discretionary spending of the current fiscal year
- Selection criteria for projects:
  - Only NRW's own discretionary spending (net of EU grants, federal grants or other revenues earmarked for specific purposes)
  - Projects prescribed by federal law are excluded. Thus, eligible projects are voluntarily provided by NRW
  - NRW's personnel costs are excluded

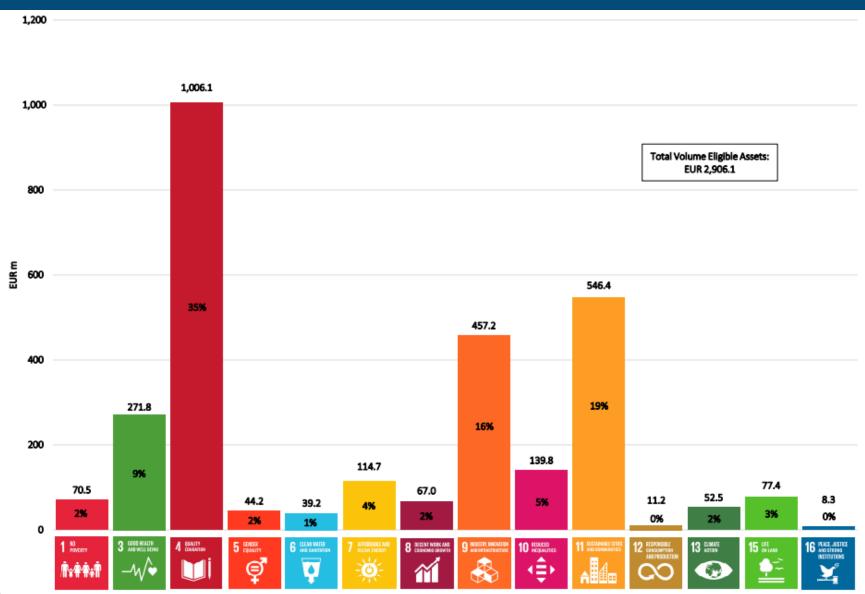
# NRW Sustainability Bonds #11 + #12

# Prospective Allocation of Proceeds

SBP Project Category	Eligible Assets [EUR m]	Share of Assets	GBP Project Category	Eligible Assets [EUR m]	Share of Assets
A. Affordable basic infrastructure	345.2	11.9%	G. Renewable energy	6.0	0.2%
B. Access to essential services	1,553.4	53.5%	H. Energy efficiency	47.5	1.6%
C. Affordable housing	112.0	3.9%	I. Pollution prevention and control	173.7	6.0%
D. Employment generation	6.6	0.2%	J. Natural resources and land use	52.1	1.8%
E. Food security and sustainable food systems	4.1	0.1%	K. Clean transportation	315.7	10.9%
F. Socioeconomic advancement and empowerment	177.8	6.1%	L. Sustainable water and wastewater	98.0	3.4%
			Climate change M. adaptation	14.1	0.5%
Social Projects	2,199.1	75.7%	<b>Green Projects</b>	707.1	24.3%
Total Volume Eligible Assets			2,906.1		

# NRW Sustainability Bonds #11 + #12

## Eligible Assets per SDG



# **Future Sustainability Bond Framework**



## Update in 2025

- Sustainability Bond framework is being currently updated, publication expected for 2025.
  - -Current issues refer to projects of the **same fiscal year**; with future framework issues refer to projects of the **previous fiscal year**.
    - Issue of Sustainability Bond 2024 referring to projects of the year 2024, issue of Sustainability Bond 2025 referring to projects of the year 2024.
    - Eligible assets of fiscal year 2024 need to be shared by two Sustainability Bonds and need to fit both frameworks.
    - Sustainability Bonds 2024 & 2025 will be for once smaller compared to previous Sustainability Bonds because of shared project pool.
  - Adaptation to latest version of ICMA Principles.
  - Taking into account evolution of EU Taxonomy.
  - Update of NRW Sustainability Strategy.

## Conclusion



## State of NRW: Key Investment Considerations

- NRW runs on a well-positioned and strong economy, backed by a reliable and supportive fiscal and institutional framework
- NRW offers strong credit ratings

Fitch: AAA (stable)

Moody's: Aa1 (stable)

Standard & Poor's: AA (negative)

Scope: AAA (stable)

- Rating Reports and Debt Issuance Program online available
- German Länder issuances qualify as level 1 assets under the EU Commission's Delegated Regulation on the liquidity coverage ratio (LCR)
- 0% risk weighted in most countries, stress factor of 0% (spread and concentration risk) under the Solvency II framework

## **Contact Details**



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