

## State of Hesse

### Investor Presentation 2025



# Table of Contents

## 1. Focus on Hesse

- Key Facts/Data
- Economic Strength
- Modern accounting system
- Sustainability strategy

## 2. State Budget

- Revenue and expenditure
- Net borrowing

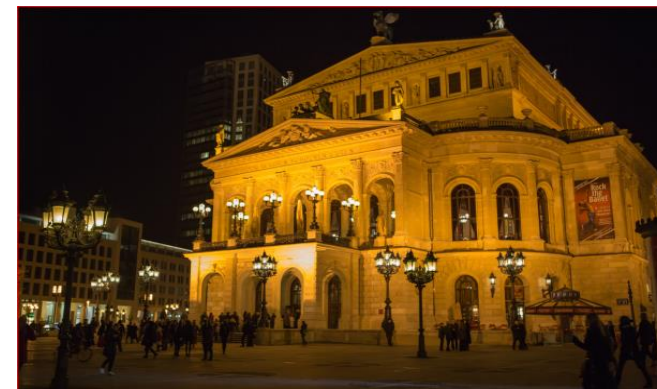
## 3. Funding activities of Hesse

- Maturity profile
- Funding strategy
- Funding overview 2025

## 4. Green Bonds

## 5. Contact persons

## 6. Disclaimer



# Focus on Hesse

## Key data



**Area:**

21,115 km<sup>2</sup>



**Population:**

6.3 million<sup>1)</sup>

**Persons in employment:**

3.6 million<sup>1)</sup>



**Inflation rate 2023:**

5.8%

**Inflation rate 2022:**

6.8%

**Inflation rate 2021:**

2.8%



**State capital:**

Wiesbaden

**Largest city:**

Frankfurt am Main



**Current government:**

Coalition of CDU and SPD

**Prime Minister:**

Boris Rhein

**Next election:**

2028



**Gross domestic product:**

EUR 368 billion<sup>1)</sup>

**Gross domestic product per capita:**

EUR 57,290<sup>1)</sup>

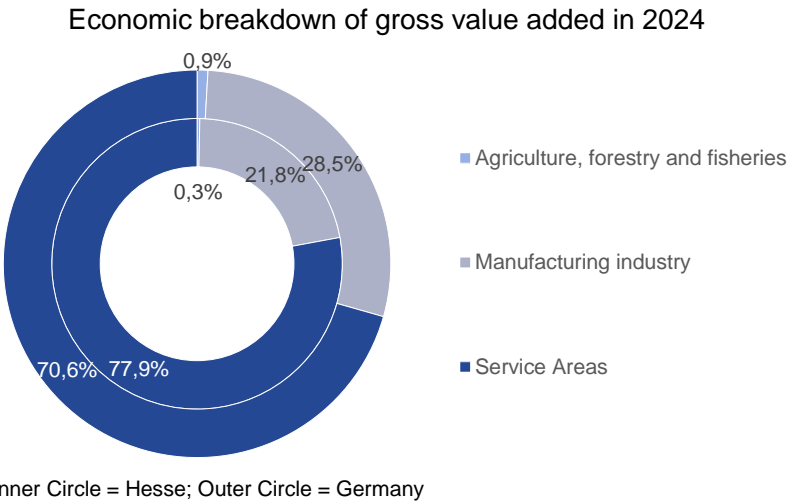
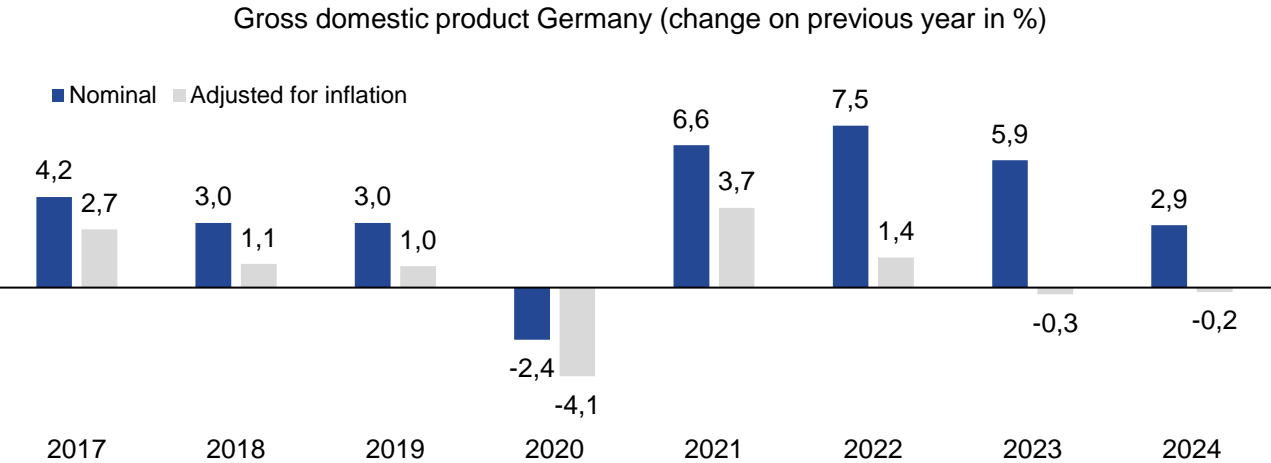
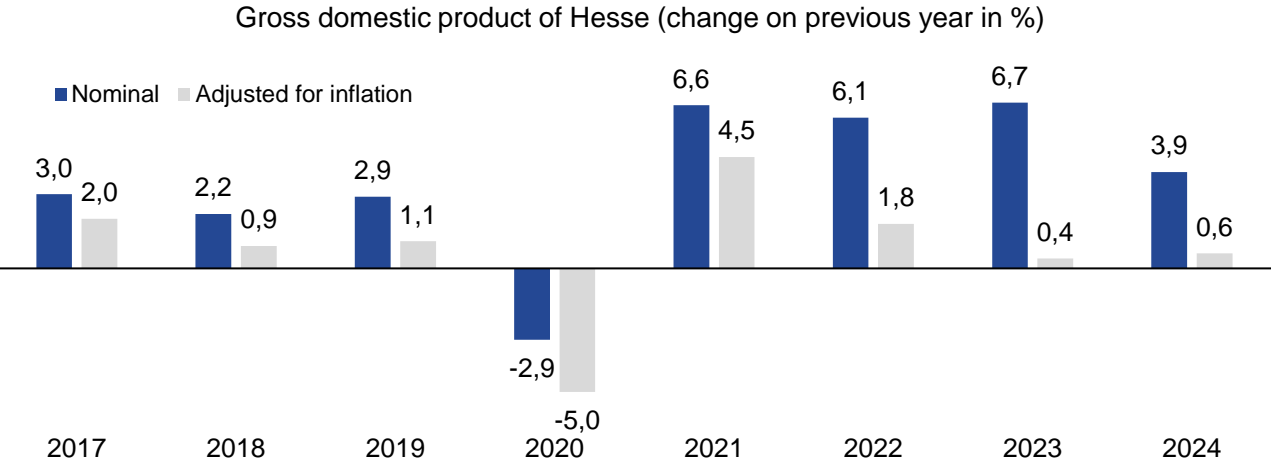
**Unemployment rate:**

5.8%<sup>2)</sup>



# Development of the economy in Hesse in a German comparison

## Balanced and stable economic power in the centre of Germany



**Highlights in Hesse**

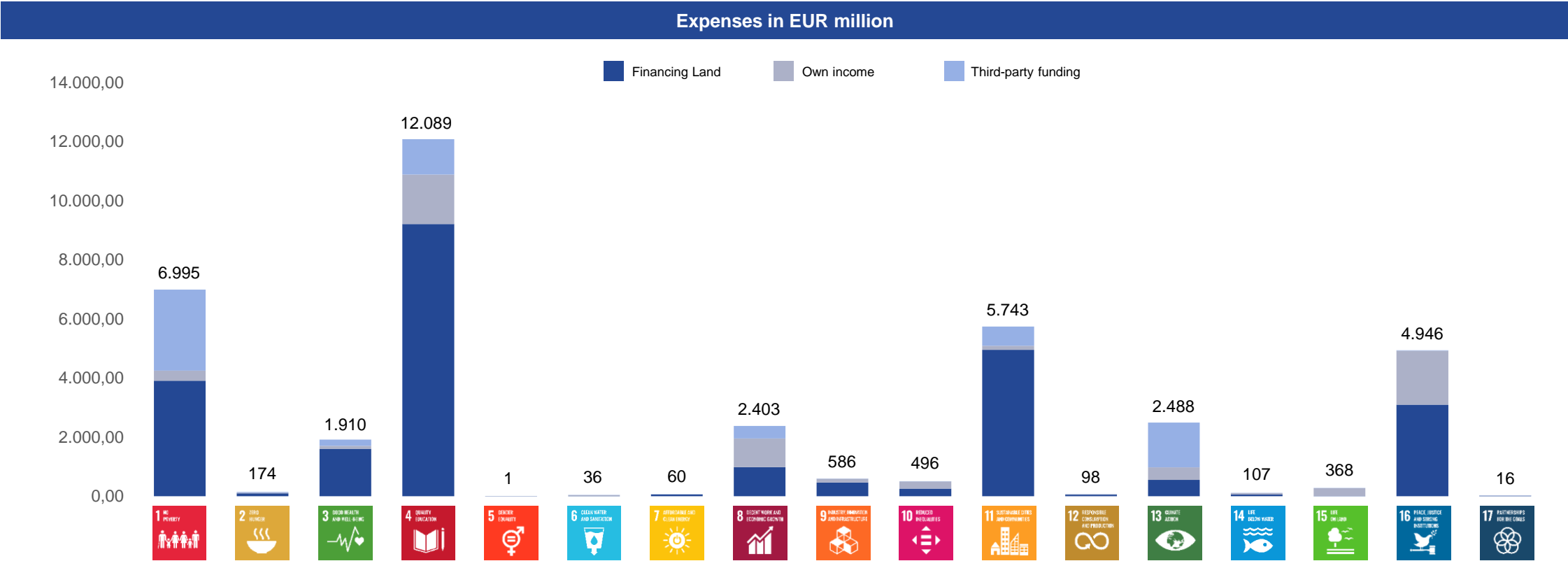
- Frankfurt as leading financial and supervisory centre in continental Europe with around 250 financial and insurance institutions
- Employment structure: 77.9% services, 21.8% manufacturing and 0.3% other industries
- European Information & Communication Technology Centre; DE-CIX as the world's largest Internet exchange in Frankfurt
- Frankfurt has one of the most experienced start-up pools in the world and offers the best access to the international economy
- International Airport Rhein-Main: Germany's biggest airport and, with around 80,000 directly employees, and also the largest workplace in Germany

Source: <https://statistik.hessen.de/> and <https://startupgenome.com/ecosystems/frankfurt>

# Modern accounting

## Allocation of expenses from the 2023 Annual Report to the UN SDGs

Hesse is one of the few federal states that has published audited balance sheets in accordance with the German Commercial Code (HGB) since 2009. Since the publication of the 2022 annual report, Hessen has also assigned all expenses to the 17 SDGs, which was continued in the most recent 2023 annual report.<sup>1)</sup>



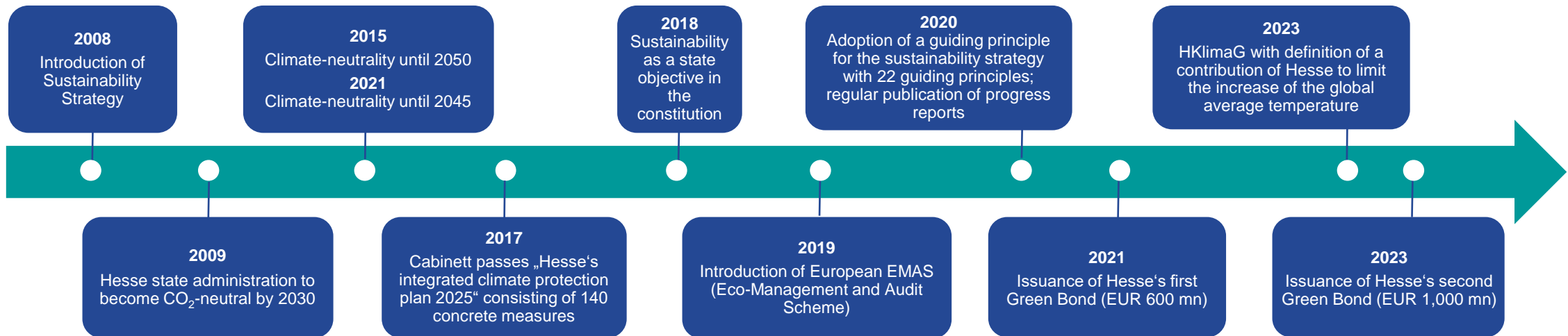
Not only the annual expenses, but also the future risks are important for a public administration. Future expenditures must be transparent to policymakers as well as voters and investors.

1) The allocation was done in the non-audit part of the annual report

# 1. Focus on Hesse

## Sustainability strategy of the State of Hesse

The State of Hesse bears responsibility for future generations and strives for a balance between economic growth and sustainable development. The Hessian sustainability strategy brings together people from politics, business, science, administration and society to find innovative solutions.



In addition to this overarching strategy, the state is working together with 367 municipalities in the alliance "Hessen aktiv: Die Klima-Kommunen". Climate protection can only succeed through action at all political levels, especially since the municipalities are the state's most important partner for local implementation.

# 1. Focus on Hesse

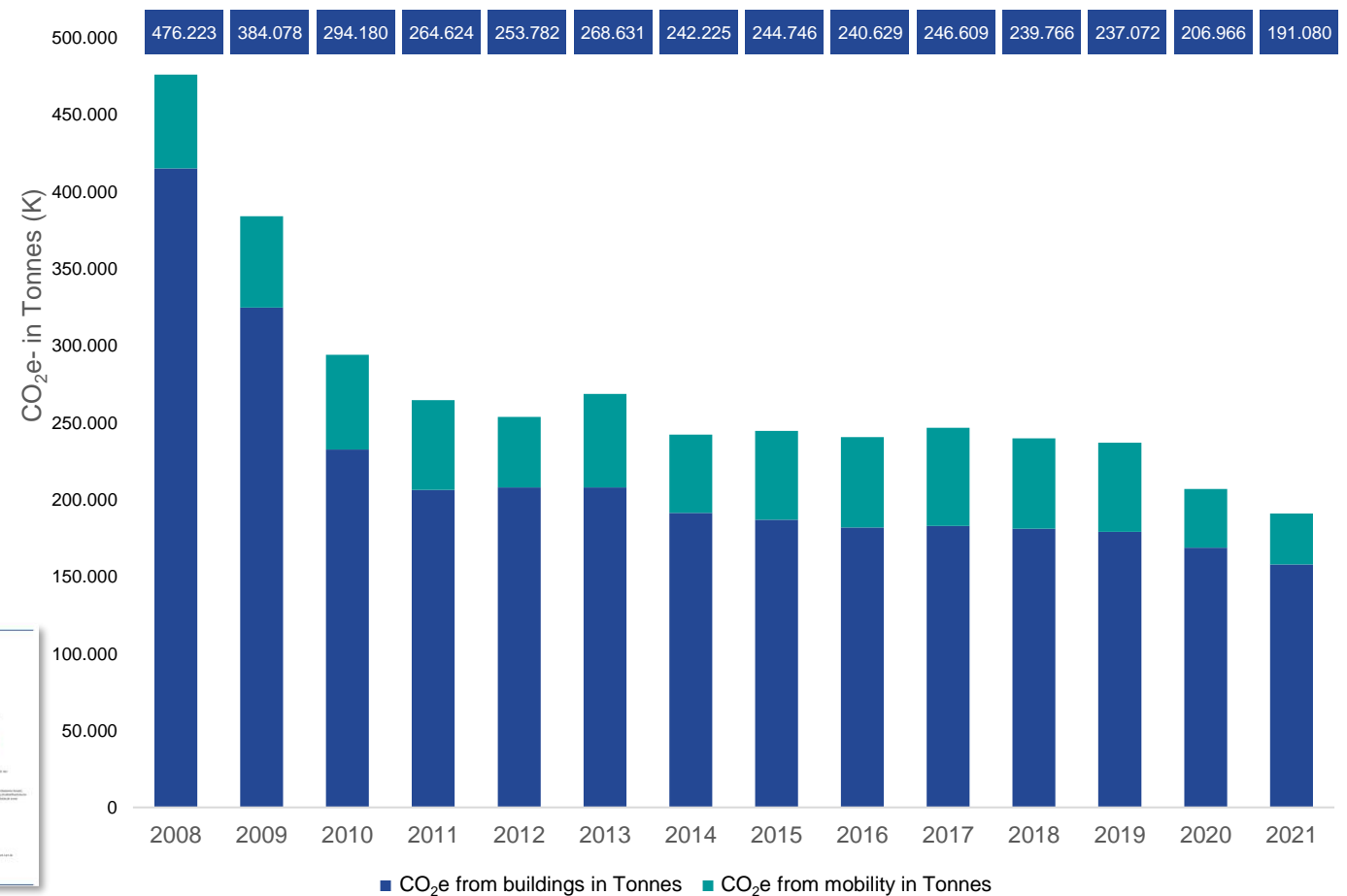
## GHG-balance and CO<sub>2</sub>e emissions of the Hessian state administration

The basis for quantifying the emissions caused is the so-called CO<sub>2</sub> footprint, which is based on the calculation of emissions caused by various business activities such as business trips, energy consumption or the use of company vehicles. The sum of all calculated emissions is referred to as the carbon footprint.

The carbon footprint for 2021 is 191,080 tonnes of CO<sub>2</sub> equivalents (CO<sub>2</sub>e). The carbon footprint was verified by TÜV NORD CERT GmbH in accordance with DIN EN ISO 14064-3:2020 for accuracy and completeness.



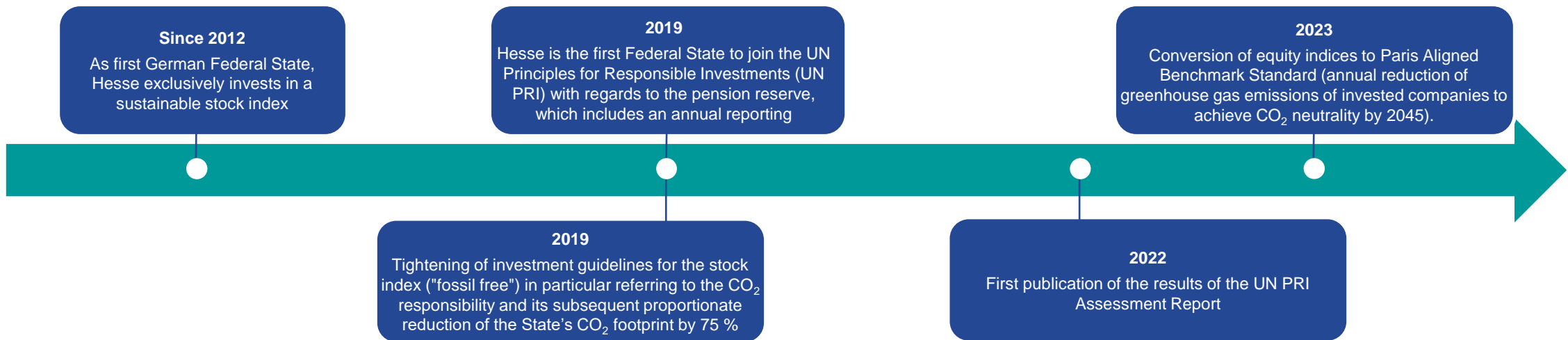
Development of CO<sub>2</sub>e-emissions



# 1. Focus on Hesse

## Sustainability strategy of the State of Hesse – Pension reserve

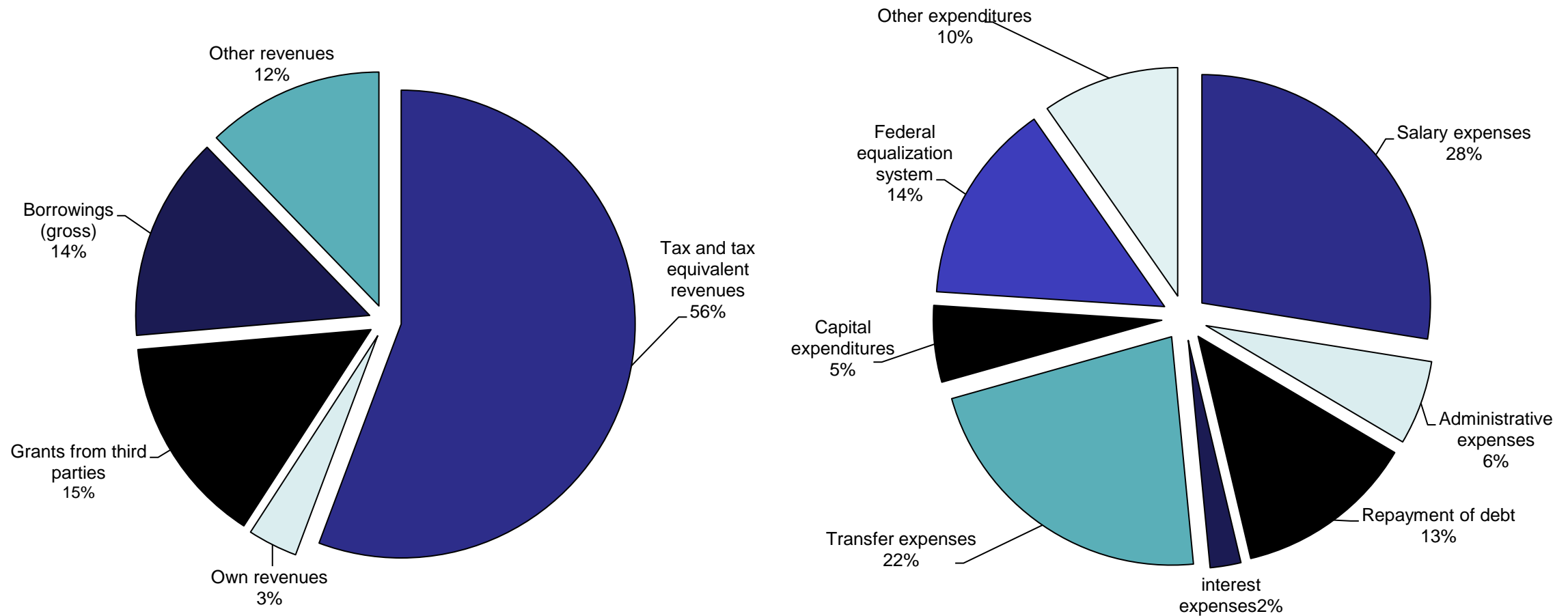
Hesse also pursues a sustainable investment strategy in the investment of the State's pension reserve (around EUR 6 bn total assets).





## 2. State Budget 2025\*

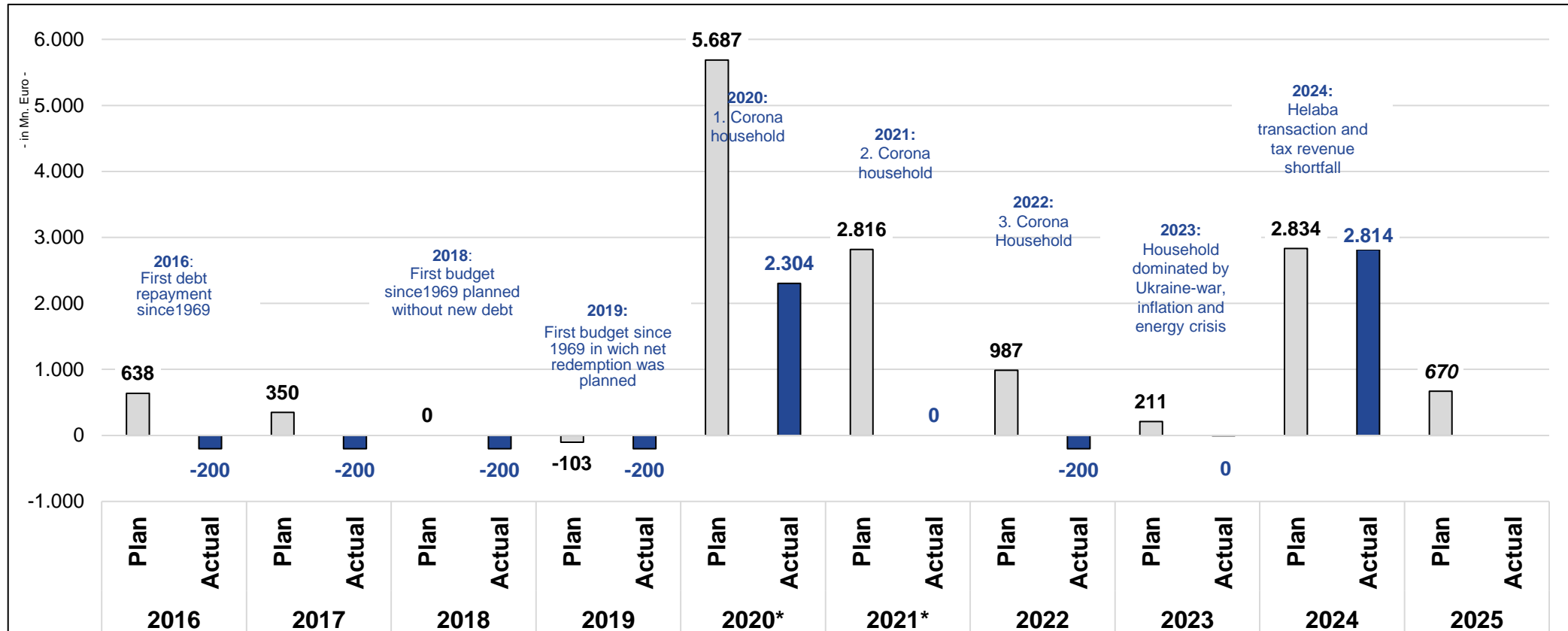
Income and Expenses: EUR 50 bn



\* Data status: state budget 2025 from 26 March 2025

## 2. State budget

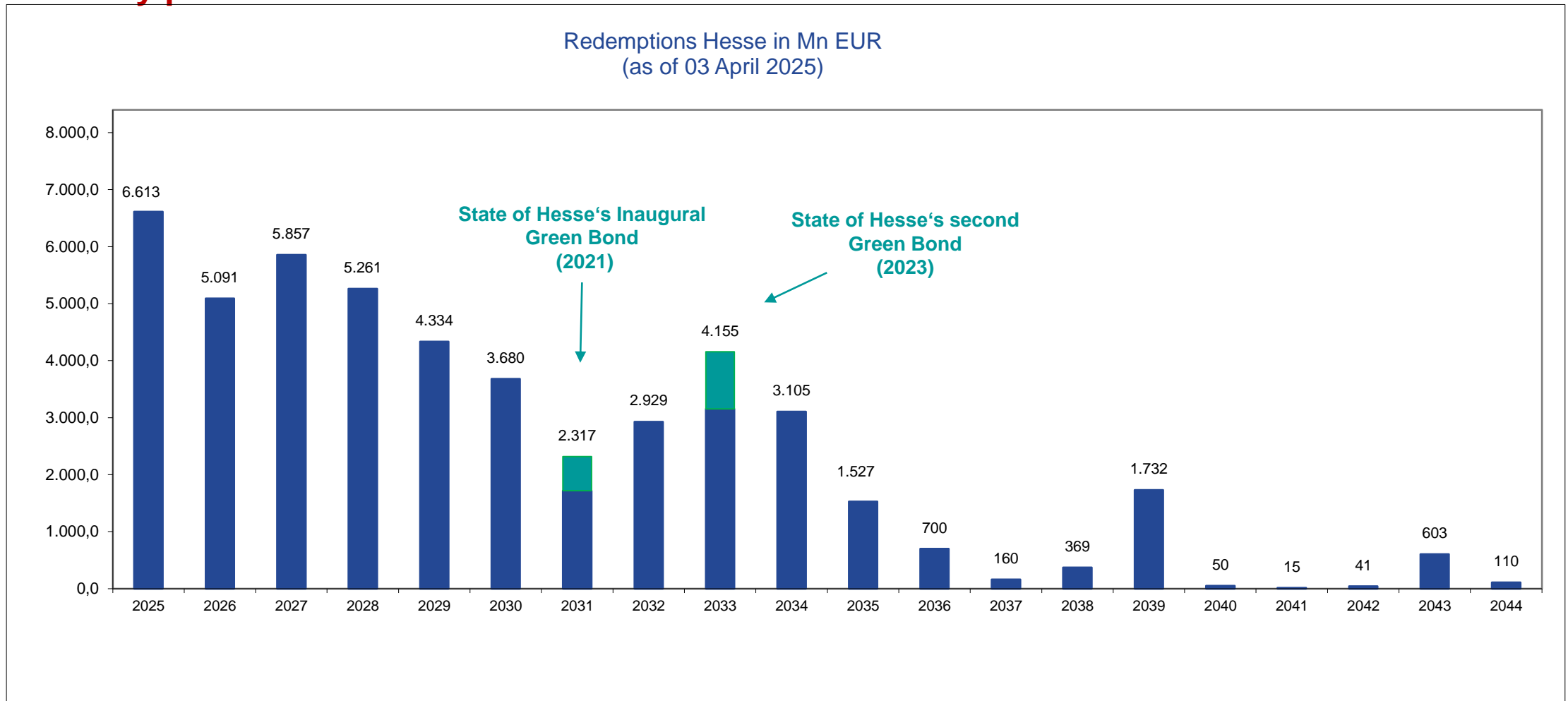
### Development of net borrowing – Plan carefully, perform better!



\*incl. EUR 3.56 bn net borrowing in the special fund "Hessens Gute Zukunft Sichern" in 2020 and 2021. This debt was transferred to the core budget on 1 January 2022.

## 3. 3. Funding activities of the State of Hesse

### Maturity profile



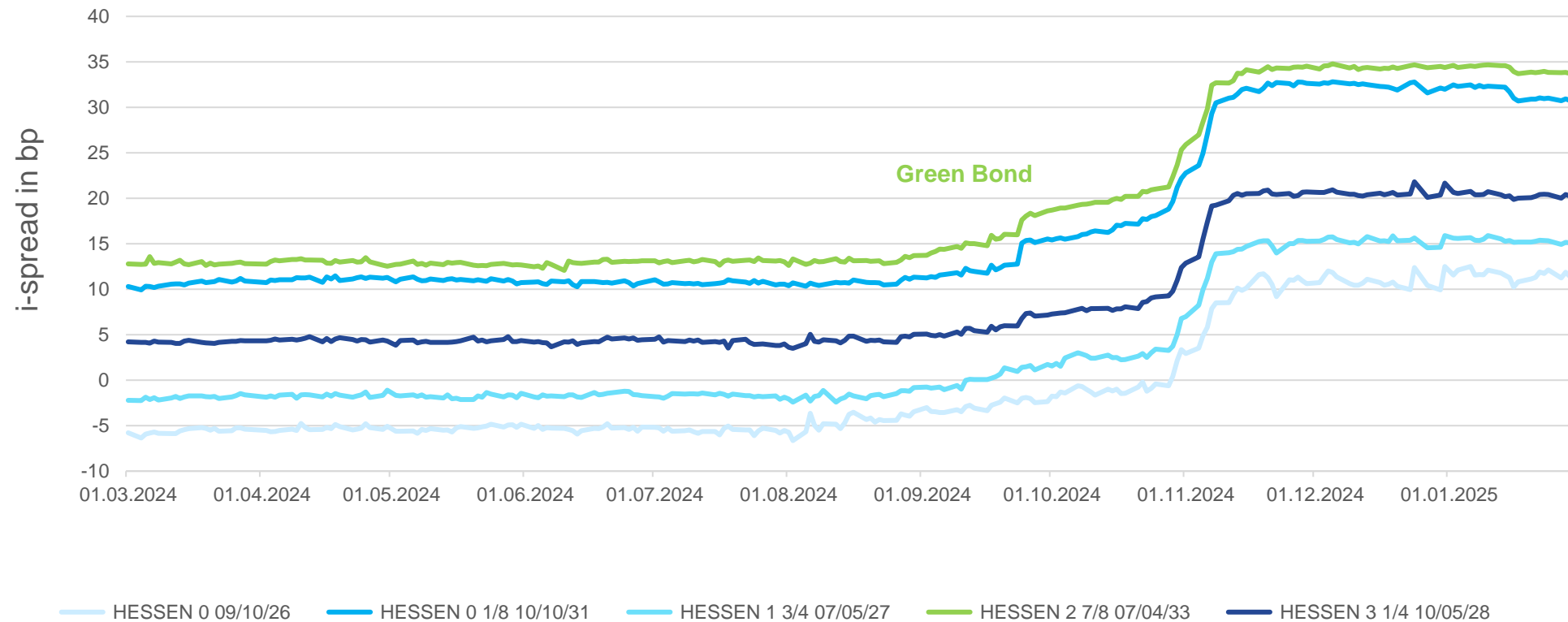
### 3. Funding activities of the State of Hesse

#### Benefits for investors

- Bonds issued by the State of Hesse represent a good opportunity for risk diversification in the segment of European sovereign issuers
- Attractive yield premium for investors compared to Bunds, depending on maturity and market conditions
- Certification of high credit quality by Standard & Poor's
  - Short-term rating: A-1+
  - Long-term rating: AA+, outlook stable, last confirmed on 04/11/2025 and
- by Scope
  - Short-term rating: S-1+
  - Long-term rating: AAA, outlook stable, last confirmed on 04/18/2025
- 0 % risk weighting
- ECB repo eligible assets
- Very stable development of asset-swap-spreads

### 3. Funding activities of the State of Hesse

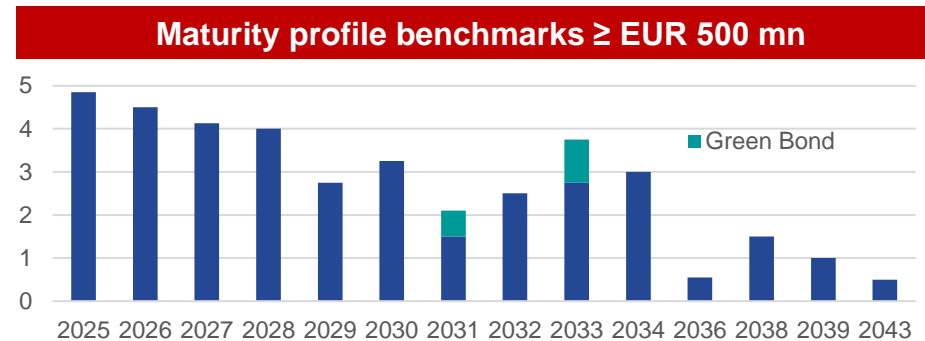
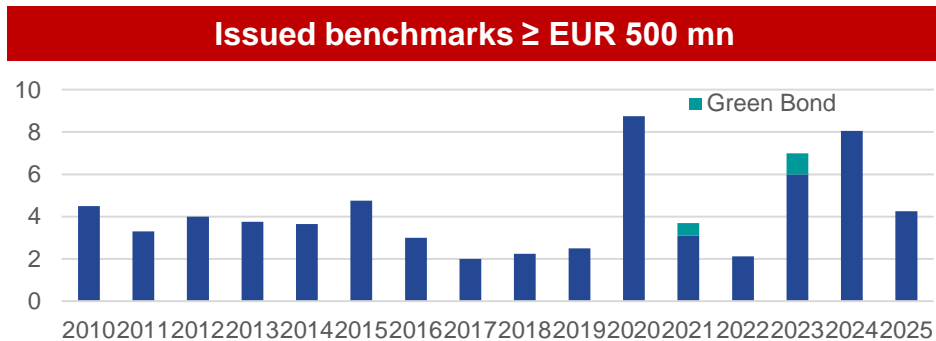
#### Spread performance of issues in the secondary market



### 3. Funding activities of the State of Hesse

#### Benchmark curve

Hesse is a frequent borrower in the domestic market with a broad international investor base. The funding is generated via private placements and benchmark transactions. The benchmark curve is well diversified. The maturity structure shows a well balanced distribution.



- Hesse plans to issue at least one benchmark transaction per year with a volume of EUR 1 bn -1.5 bn
- In 2024, 5 fixed-rated benchmark bonds with terms between 4.8 and 15 years were issued during the year
- In 2025, two fixed-rate bonds (EUR 2,5 bn and EUR 1,25 bn), two floaters (EUR 500 mn and 300 mn) and a Green Bond with a volume of EUR 1.5 bn were issued to date

### 3. Funding activities of the State of Hesse

#### Transaction Review State Treasury Bond January 2032

| Final Terms        |  |
|--------------------|--|
| Issuer             | Federal State of Hesse                                     |
| Rating             | AA+ (stable), S&P  |
| Format             | Public   |
| Volum              | EUR 2,5 bn   |
| Coupon             | 2,75 % p.a., act/act, ICMA                                 |
| Trade Date         | 16 January 2025  |
| Value Date         | 23 January 2025  |
| Maturity Date      | 12 January 2032  |
| Reoffer Price      | 99,732 %   |
| Reoffer Spread     | MS +32 Bp  |
| Reoffer Yield      | 2,793 %  |
| Bund Spread        | +43,0 bps vs. DBR 0% August 2031                           |
| Denomination       | EUR 1k   |
| Listing            | Frankfurt Stock Exchange / German Law                      |
| Joint Lead Manager | Barclays, DekaBank, DZ Bank, J.P. Morgan, NordLB, Rabobank |
| ISIN               | DE000A1RQE18   |
| Finale Book        | > EUR 8,7 Mrd. (inkl. EUR 930 Mio. JLM)                    |
| # of accounts      | > 140  |

#### Deal Review

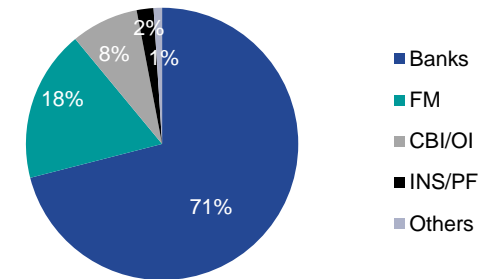
##### Transaction Rationale:

- On Wednesday, 15 January 2025, the State of Hesse mandated a syndicate to support a EUR benchmark transaction with a 7-year maturity.
- This bond was the state's first in the calendar year 2025. After many issuers had already achieved good results in the first few days of the year, Hesse was also able to successfully place a very large bond on the market..

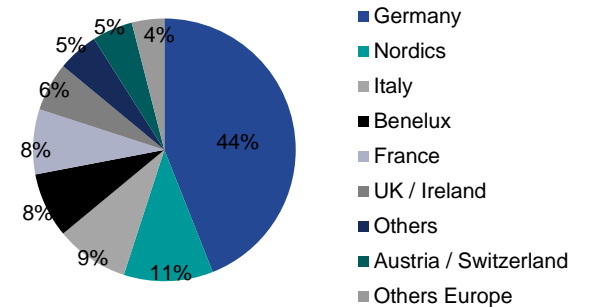
##### Bookbuilding and Outcome :

- The marketing phase for the benchmark bond started with the IIIA announcement on 15 January. One day later, the order book was opened at 8.45 a.m. with a guidance of MS +34bps area.
- After the first update in the form of a 'OneLiner' 60 minutes after the book opened, a demand volume of EUR 4.7bn (incl. 730m JLM interest) was communicated, the momentum continued to rise. At 10:10 a.m., the spread was then fixed 2bps tighter at MS +32bps with a book volume of over EUR 6.3bn (incl. 730m JLM interest).
- In addition, the book close was announced at 11:00am. This led to a further inflow of orders. With an order book of over EUR 8.5bn (incl. 730m JLM interest), the strong demand enabled the issue volume to be fixed at EUR 2.5bn.
- Ultimately, the final order book totalled over EUR 8.7 billion (incl. 930 million JLM interest). With this outstanding transaction, the State of Hesse achieved its largest order book to date. The strong demand from savings banks was also pleasing at over EUR 500 million.
- In terms of geographical distribution, 44% was allocated to investors in Germany and 56% to investors outside Germany. The details can be found in the chart on the right.
- Banks were the main buyers with 71%, followed by asset managers with 18%, central banks and public institutions with 8%, insurance companies and pension funds with 2% and other investors with 1%. Translated with DeepL.com (free version)

#### Allocation by Investors



#### Allocation by Region



### 3. Funding activities of the State of Hesse

#### Transaction Review State Treasury Bond January 2032

| Final Terms        |  |
|--------------------|--|
| Issuer             | Federal State of Hesse   |
| Rating             | AA+ (stable), S&P  |
| Format             | Public   |
| Volum              | EUR 1,25 bn  |
| Coupon             | 3,125 % p.a., act/act, ICMA  |
| Trade Date         | 25 March 2025  |
| Value Date         | 01 April 2025  |
| Maturity Date      | 12 March 2035  |
| Reoffer Price      | 999.691 %  |
| Reoffer Spread     | MS +43 Bps   |
| Reoffer Yield      | 3,162 %  |
| Bund Spread        | +33,5 bps vs. DBR 2.5 February 2035                                      |
| Denomination       | EUR 1k   |
| Listing            | Frankfurt Stock Exchange / German Law                                    |
| Joint Lead Manager | Commerzbank, Credit Agricole CIB, Deutsche Bank (B&D), Helaba, ING, LBBW |
| ISIN               | DE000A1RWE34   |
| Finale Book        | > EUR 1,6 Mrd. (inkl. EUR 300 Mio. JLM)                                  |
| # of accounts      | > 55   |

#### Deal Review

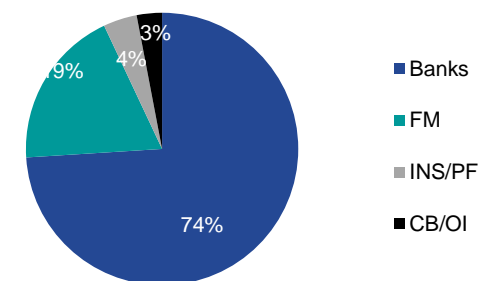
##### Transaction Rationale:

- On Tuesday, 25 of March 2025, the Federal State of Hessen successfully launched and priced its 10y EUR 1.25bn LSA (Landesschatzanweisung) with a spread of MS+43bps.
- With the market stabilizing after several weeks of heightened volatility, the Federal State of Hesse successfully secured financing in busy SSA primary markets. This marks the issuer's 4th syndication this year and another step closer to the 2025 funding target of EUR 8bn.

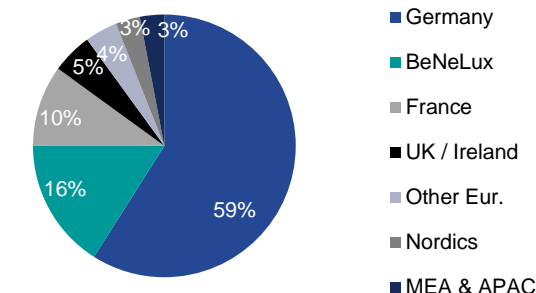
##### Bookbuilding and Outcome :

- The mandate for the transaction was announced to the market on Monday, 24 March. Books officially opened on Tuesday, 25 March at 8:55 CET with an initial guidance of MS+43bps area.
- Released at around 10:10 CET, the first update reported an order book size greater than EUR 1.5bn (incl. EUR 300mn JLM) and set the spread at MS+43bps.
- One hour later, the Final Terms were disclosed, setting the issuance size to EUR 1.25bn and showing an order book of EUR 1.6bn (incl. EUR 300mn JLM). The issuer gave investors an additional 20 minutes to finalize their orders, with the books closing at 11:30 CET.
- The well-diversified and high-quality order book underscores Hessen's strong standing with the international investor community, showcasing a well-distributed allocation across Europe.

#### Allocation by Investors



#### Allocation by Region

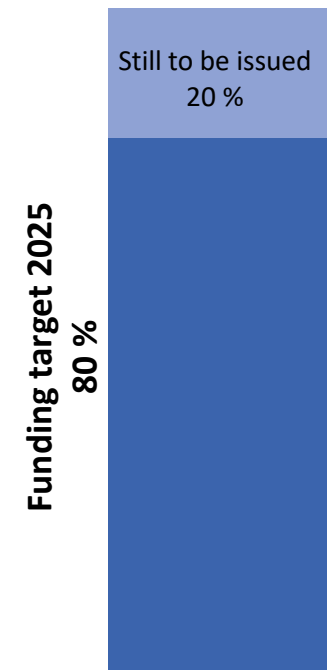




### 3. Funding activities of the State of Hesse

#### Overview

- Hesse's debt on the capital market (as of 31 December 2024): EUR 44.3 bn
- Capital market financing on the capital market completed at EUR 9.2 bn
- In this context, Hesse strengthened Helaba's equity by EUR 2.0 bn. This led to net borrowing of the same amount, which is compatible with the debt brake
- For 2025 approx. EUR 8 bn are planned,
  - State treasury bond with maturities between 1 and 5 years
  - State treasury bonds in benchmark size (EUR 500 mn up to 2 bn max.) with focus on maturities between 5 and 15 years
  - Private Placements in bond format or promissory note loans, maturities with a focus on 10 to 20 years
- Increases in existing bonds possible with coupon close to market level
- Borrowing mainly at fixed rates but to a certain extent also at variable rates
- No structured or foreign currency funding



## 4. Green Bonds

### Highlights

- So far, Hesse has issued three EUR benchmark Green Bonds (in 2021, 2023 and 2025)
- The third Hessian Green Bond issued on 10 June 2025 with a volume of EUR 1.5 bn is the largest outstanding Green Bond issuance by a German federal state to date
- It is planned to establish a green benchmark curve, with a large benchmark in green format every two years
- A bond-by-bond approach is followed in managing the proceeds
- The Green Bonds cover a broad variety of green expenditures including biodiversity, for example Hesse is the federal state with the highest proportion of forests
- Projects are mapped to the ICMA GBP as well as to the UN SDGs and for the third Green Bond also to the EU environmental objectives
- An allocation and impact report was published for the first and second Green Bond shortly after the issuance, showcasing the valid system of issuing and selecting projects, same is planned for the third Green Bond

# Framework for Hesse's third Green Bond

## Updating the framework

The state of Hesse has published a new framework for the issuance of the third green bond. The framework is in line with the internationally recognized market standard, the ICMA Green Bond Principles 2021 (with the June 2022 Annex).

Hesse has commissioned ISS-Corporate, as an independent external agency, to prepare a second party opinion prior to the issuance of the third green bond.



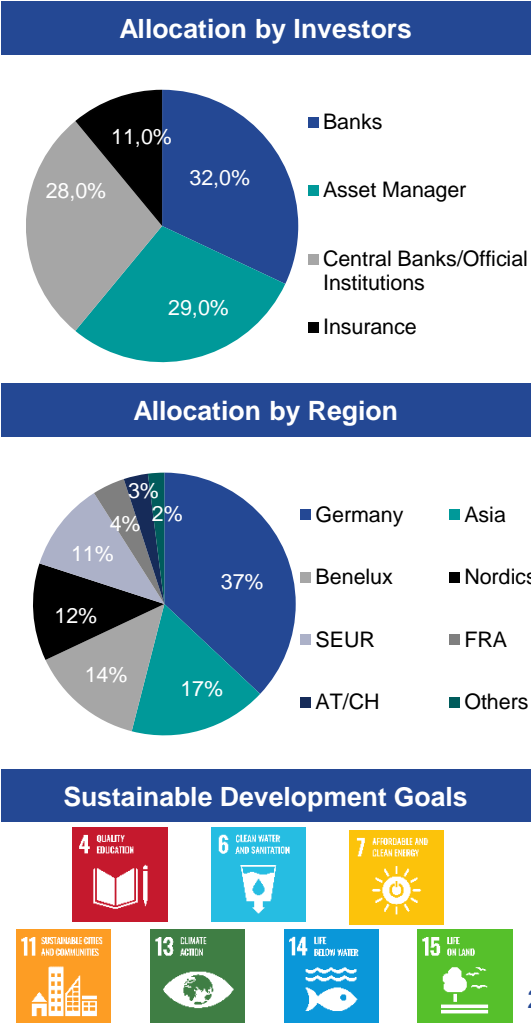
| First Hessian Green Bond                                 | Second Hessian Green Bond   | Third Hessian Green Bond   |
|--|---|--|
| Refinancing of actual expenditure in 2018, 2019 and 2020 | Refinancing of actual expenditure in 2021 and 2022  | Refinancing of actual expenditure in 2023 and 2024   |
| 20 projects  | 30 projects ( <i>including 14 new projects</i> )  | 31 projects ( <i>including 5 new projects</i> )  |
| Presentation of the sustainability strategy (as of 2021) | Presentation of the sustainability strategy (as of 2023)  | Presentation of the updated sustainability strategy (as of 2025)   |
|  | <ul style="list-style-type: none"> <li>Assignment of EU environmental goals to the respective strategic priorities of the focus areas</li> <li>If necessary, IMWG will also review ESG controversies that could call into question the quality of the corresponding past-related spending of the green bond</li> <li>By complying with the EU legal system (e.g. international labour standards of the International Labour Organization), the Eligible Green Expenditures of the State of Hesse also meet requirements for minimum social standards</li> </ul> | <ul style="list-style-type: none"> <li>Determination of the eligibility criteria for eligible green expenditure</li> <li>Addition of new eligible green expenditures</li> <li>Assignment of activities to the respective strategic focal points of the fields of action</li> <li>Adjustment of departmental responsibilities</li> <li>Consideration of the Public Corporate Governance Code of the State of Hesse in the context of ESG risk management</li> <li>Considering, to the extent possible, the recommendations of the guidelines of the "ICMA Harmonized Framework for Impact Reporting" (June 2023)</li> </ul> |

# 4. Green Bonds

## Transaction Review Green Bond June 2035

| Final Terms        |  |
|--------------------|--|
| Issuer             | Federal State of Hesse   |
| Rating             | AA+ (stable), S&P / AAA stable by Scope  |
| Format             | Landesschatzanweisung  |
| Volume             | EUR 1.5 bn   |
| Coupon             | 2.900% p.a., act/act, ICMA   |
| Trade Date         | 10 June 2025   |
| Value Date         | 18 June 2025   |
| Maturity           | 18 June 2035   |
| Reoffer Price      | 99.649 %   |
| Reoffer Spread     | MS+40bps   |
| Reoffer Yield      | 2.941 %  |
| Bund Spread        | +41.6bps vs DBR 2.5% 02/15/2035  |
| Denomination       | EUR 1k+1k  |
| Listing            | Frankfurt Stock Exchange / German Law  |
| Joint Lead Manager | CACIB / Danske Bank / DekaBank / Deutsche Bank / ING / LBBW  |
| ISIN               | DE000A1RQE59   |
| Use of Proceeds    | <ul style="list-style-type: none"><li>Eco-friendly Public Transport</li><li>Measures Concerning Forests</li><li>CO<sub>2</sub>-neutral State Administration/ Energy Efficiency of Public Buildings</li><li>Organic Agriculture and Nature Conservation</li><li>Climate Plan</li><li>Sustainable (Waste) Water Management</li><li>Further Climate and Environmental Protection Measures</li></ul> |

| Deal Review   |
|---|
| <ul style="list-style-type: none"><li>On Tuesday 10<sup>th</sup> June 2025, the highly successful third Green Bond of the German State of Hesse was launched, a EUR 1.5bn 10y, marking the largest outstanding Laender Green Bond, or from any European region.</li><li>The mandate was announced on Friday 23<sup>th</sup> May 2025, followed by two Global Investor Calls and a full week of 1-1s during the week of 2<sup>nd</sup> June. Following the investor calls, the 10y maturity was announced on Friday 6<sup>th</sup> June 2025.</li><li>The market backdrop was supportive with more stability and well performing primary and secondary markets</li><li>Orderbooks opened on Tuesday 10<sup>th</sup> June morning with initial guidance of MS+43bps area and the investor response was strong from the outset, reaching EUR 3.5 bn (excl. JLM interest) after an hour. The momentum continued, with orders exceeding EUR 5bn after 90 minutes.</li><li>Given the size and quality of demand, the final deal size was set at EUR 1.5bn, matching the largest possible size given the eligible green expenditures, which included clean transportation, forest sustainability and energy efficiency, amongst others.</li><li>The final spread was set at MS+40bps, a 3bps tightening, with pricing slightly through the curve and estimated greenium of at least 1bp. The bond priced with a coupon of 2.900%.</li><li>The final orderbook was above EUR 6bn (excl. JLM interest) from 150+ investors, including new investors to the State of Hesse.</li><li>The diverse and granular final orderbook had high prominence of ESG focused investors at 70%. 63% placed outside of Germany, including notable Asian uptake at 17% with solid Nordic and Benelux participation at 12% and 14% respectively, attracted by the ESG format.</li><li>The orderbook was of particularly high quality with 28% into Central Banks/Official Institutions, 29% Funds and 11% Ins/PF, alongside 32% banks</li><li>For the third Green Bond, the updated Green Bond Framework includes 31 projects to fulfil the sustainability strategy of the Federal State of Hesse that demonstrate an expected positive sustainability benefit. The framework is aligned with the ICMA Green Bond Principles 2021 and contributes to 7 UN SDGs.</li><li>The State of Hesse has a 2025 funding volume of EUR 8bn and following this benchmark ~80% of this amount is completed following 7 &amp; 10y benchmarks earlier in 2025. Ahead of the deal, the issuer updated their Green Bond Framework, which received a Second Party Opinion from ISS-Corporate.</li><li>Link to IR: <a href="#">About the Hessian Green Bonds   finanzen.hessen.de</a></li></ul> |



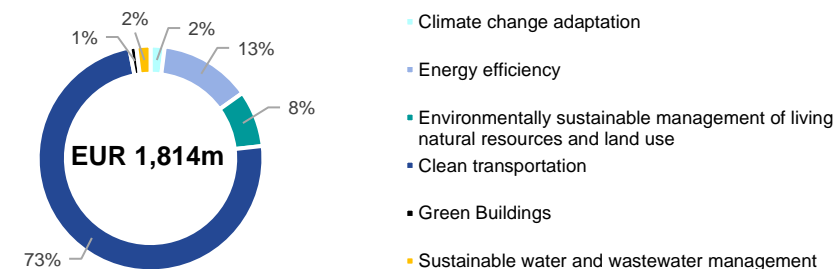
# Indicative allocation eligible green expenditure

## ICMA GBP, UN SDGs and European Environmental Objectives

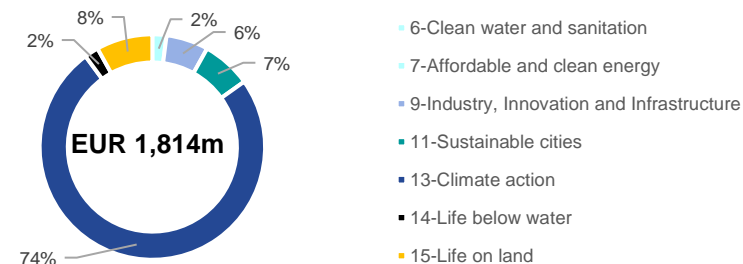
### Allocation to the strategic priorities of the focus areas

| in EUR million  | 2023               | 2024               | Total              |
|---|--------------------|--------------------|--------------------|
| Description   | Actual Expenditure | Actual Expenditure | Actual Expenditure |
| Eco-friendly public transport   | 634.01             | 672.43             | 1,306.44           |
| Measures concerning forests   | 67.80              | 51.55              | 119.35             |
| CO <sub>2</sub> -neutral state administration / energy efficiency of public buildings | 46.53              | 57.08              | 103.61             |
| Organic farming and nature conservation   | 8.23               | 9.04               | 17.27              |
| Climate plan  | 13.63              | 16.62              | 30.25              |
| Sustainable (waste) water management  | 26.40              | 28.20              | 54.60              |
| Further climate and environmental protection measures                                 | 66.78              | 106.71             | 173.49             |
| <b>Eligible green expenditures made</b>   | <b>867.21</b>      | <b>947.03</b>      | <b>1,814.24</b>    |
| <b>Net proceeds raised with third Green Bond issuance</b>                             |                    |                    | <b>1.493,46</b>    |

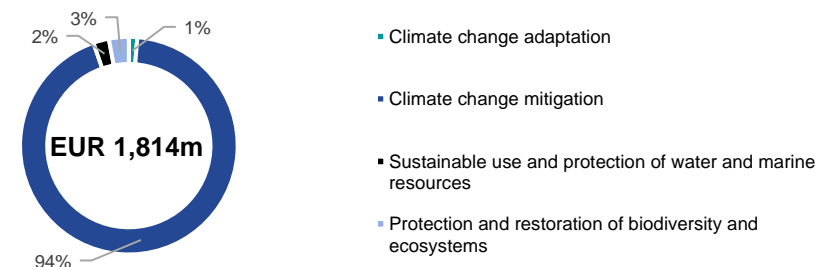
### Breakdown by ICMA GBP<sup>1)</sup>



### Breakdown by UN SDGs<sup>1)</sup>



### Breakdown by European Environmental Objectives<sup>1)</sup>



1) Assignment according to the lead category



› Case study – Eco-friendly public transport

## Promotion of public transport services incl. pupils and excursion ticket

The state supports the transport associations in their efforts to meet the challenges of the future in local public transport with a quality offensive.

The aim is to continuously strengthen and improve the timetable offerings in local public transport, both in quality and quantity, in line with demand and the public service mandate.

State funds provided to promote public transport services are intended to bridge the financing gap between fare revenues and the operational costs. This ensures that a corresponding level of passenger service can be maintained in Hesse.

The state is making its funding available to the three transport associations: Rhein-Main Verkehrsverbund (RMV), Nordhessischer Verkehrsverbund (NVV) and Verkehrsverbund Rhein-Neckar (VRN).

**Eligible Green  
Expenditures 2023/2024**  
EUR 486.84 million



**ICMA Green Bond Principles**  
Clean transportation



**Reference to the budget**  
Section 7 Chapter 15 Product 69



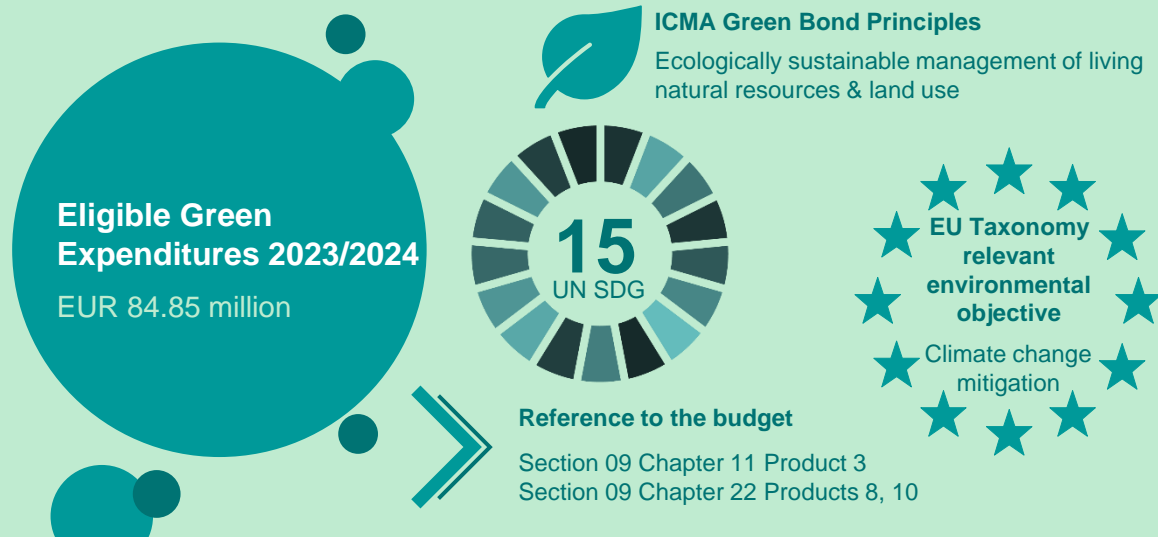
## › Case study – Measures concerning forests

# 12-point forest plan

The 12-point Forest Plan promotes reforestation and ensures comprehensive support for the removal of forest damage caused by storms, drought and pests.

To combat climate change, Hesse aims to intensify the development of species-rich and climate-resilient mixed forests while also focusing on building the forests of the future. The state is offering financial support to achieve these goals.

Under the current funding guidelines, the Hessen-Forst State Office advises forest owners on financial assistance for managing their private or municipal forests. The primary objectives are to ensure the forest's functional and climate protection roles. This includes enhancing the ecological stability of forests, meeting Natura 2000 area requirements, and improving production, working, and marketing conditions in forestry.



## 4. Contacts

Dr. Alexander Labermeier - *Head of Unit*

[Alexander.Labermeier@hmdf.hessen.de](mailto:Alexander.Labermeier@hmdf.hessen.de)

Phone: +49 611 32- 13 2279

Dorothee Hilpert – *Deputy Head of Unit*

[Dorothee.Hilpert@hmdf.hessen.de](mailto:Dorothee.Hilpert@hmdf.hessen.de)

Phone: +49 611 32- 13 2366

Dieter Janßen

[Dieter.Janssen@hmdf.hessen.de](mailto:Dieter.Janssen@hmdf.hessen.de)

Phone: +49 611 32- 13 2300

Anna Beil

[Anna.Beil@hmdf.hessen.de](mailto:Anna.Beil@hmdf.hessen.de)

Phone: +49 611 32- 13 2289

Tanja Czymek

[Tanja.Czymek@hmdf.hessen.de](mailto:Tanja.Czymek@hmdf.hessen.de)

Phone: +49 611 32- 13 2205

Hanna Gajewski

[Hanna.Gajewski@hmdf.hessen.de](mailto:Hanna.Gajewski@hmdf.hessen.de)

Phone: +49 611 32- 13 2729

Christina Roth

[Christina.Roth@hmdf.hessen.de](mailto:Christina.Roth@hmdf.hessen.de)

Phone: +49 611 32- 13 2572

You can find more information at <https://www.hessen.de/>,  
regarding the green bond at <https://finanzen.hessen.de/projekte/greenbond>  
or in Bloomberg under HESSEN or RESP LAEN.





## 5. Disclaimer

This presentation serves general information purposes only and is intended for distribution to recipients who are investment professionals only. This presentation is only being provided to non-U.S. persons outside the United States in compliance with Regulation S under the U.S. Securities Act of 1933, as amended. By attending this presentation or by reading it, you warrant and acknowledge that you fall within this category and agree to be bound by the following and by any selling and distribution restrictions as set out below and as set out otherwise.

This presentation has not been prepared in accordance with legal requirements designed to promote the independence of investment research, and it is not subject to any prohibition on dealing ahead of or after the dissemination of investment research. This presentation does not constitute an investment recommendation or information recommending or suggesting an investment strategy. It does not constitute information which, directly or indirectly, expresses a particular investment proposal in respect of a financial instrument or an issuer or which proposes a particular investment decision; and it does not constitute information recommending or suggesting an investment strategy, explicitly or implicitly, concerning one or several financial instruments or issuers. However, this presentation is an advertisement and does not constitute a prospectus for the purposes of Regulation (EU) 2017/1129. It does not or form part of, and should not be construed as, an offer to sell, or the solicitation or invitation of any offer to buy or subscribe for, any notes in any jurisdiction or an inducement to enter into investment activity.

Neither this presentation, nor the distribution, should form the basis of, or be relied on in connection with, any contract or commitment or investment decision whatsoever. Any purchase of securities in any offering should be made solely on the basis of the relevant terms and conditions of the notes prepared by the issuer and prospective investors are required to make their own independent investigations and appraisals of the business and financial condition of the Issuer and the nature of any securities before taking any investment decision with respect to any securities issued offered.

This presentation and the information therein were prepared and provided for information purposes only. They are not (directly or indirectly) intended or to be construed as and do not constitute a direct or indirect offer, recommendation or solicitation to buy, hold or sell any securities or other financial instrument, or an invitation to make an offer to buy, to subscribe for or otherwise acquire any securities or other financial instrument or to provide or obtain any financial services. The information contained herein does not claim to be comprehensive or complete.

This presentation is not a prospectus or sales prospectus or a comparable document or a comparable information and therefore does not contain all material information which is necessary for making an investment decision. This presentation and the information therein are not a basis and should not be relied on for such decisions or to enter into contracts or commitments. Any investment decision, commitment or contract in respect of securities, other financial instruments or financial services should solely be made on the basis of the information contained in the relevant materials relating thereto.

This presentation contains information and statements, taken or derived from generally available sources. This applies especially (but is not limited) to market and industry data and reports. The issuer, offerors and dealers of securities mentioned in this presentation or other securities believe such sources to be reliable. They are not able to verify the information from such sources, however, and have not verified it. Therefore the issuer, offerors and dealers of securities mentioned in this presentation or other securities do not give any warranty or guarantee, make no representation and do not assume or accept any responsibility or liability with regard the accuracy or completeness of such information, which was taken or derived from such sources.

## 5. Disclaimer (continued)

This presentation contains forward-looking statements. Forward-looking statements are all statements, information and data which are not statements, information and data of historical facts. They include in particular (but are not limited to) statements, information and data relating to plans, objectives or expectations, relating to future results or developments, or relating to assumptions in connection with such statements, information or data, in each case with regard to the issuer, products, services, industries or markets. Forward-looking statements are based on plans, estimates, projections, objectives and assumptions as and to the extent they are available in advance to and for such statements. Forward-looking statements are solely based and made on such basis at that time. The issuer, offerors and dealers of securities mentioned in this presentation or other securities undertake no obligation to update or revise any forward-looking statement (e.g. in case of new information or events). Forward-looking statements, by their very nature, are subject to risks and uncertainties. A number of factors could cause actual developments and results to differ materially from the forward-looking statements and in particular in a materially negative way. Such factors include, but are not limited to, changes in the conditions on the financial markets in Germany, Europe or other countries or regions in which the issuer operates, holds substantial assets or from which it derives substantial revenues; developments of assets prices and market volatility, potential defaults of borrowers and trading counterparties, implementation of strategic initiatives, effectiveness of policies and procedures, regulatory changes and decisions, political or economic developments in Germany or elsewhere. Therefore this presentation does not make any statement or prediction in relation to any actual development or result (in particular (but not limited to) values, prices, portfolios, financial items or other figures or circumstances). Changes in underlying assumptions have a material impact on expected or calculated developments.

Earlier or later presentations may differ from this presentation in relation to forward-looking statements, in particular in relation to developments and results as well as assumptions. The issuer, offerors and dealers of securities mentioned in this presentation or other securities undertake no obligation to notify recipients of this presentation with regard to such differences or presentations. Past performance is not a reliable indicator for future performance. Exchange rates, volatility of financial instruments and other factors can have a negative affect on it. The presentation of data and performance related to the past or the depiction of awards for the performance of products are thus not a reliable indicator for the future performance.

All information in this presentation relates to the date of preparation of this document only; and historic information to its respective relevant date and is subject to change at any time, without such change being announced or published and without the recipient of this presentation being informed thereof in any other way. There is no representation, guarantee or warranty or other statement for or in respect of the continuing accuracy of the information.

The information herein supersedes any prior versions hereof and any prior presentation and will be superseded by any subsequent versions hereof, any subsequent presentations, and any offering materials. The issuer, offerors and dealers of securities mentioned in this presentation or other securities have no obligation to update or periodically review the presentation and have no obligation to inform any recipient of any subsequent presentation or subsequent versions hereof.

This presentation does not constitute investment, legal, accounting or tax advice. It is no assurance or recommendation that a financial instrument, investment or strategy is suitable or appropriate for the individual circumstances of the recipient. Any investment should only be effected after an own assessment by the investor of the investor's individual financial situation, the suitability for the investor and the risks of the investment.

## 5. Disclaimer (continued)

This presentation can not replace personal advice. It does not consider the individual situation of the investor. Each recipient should, before making an investment decision, make further enquiries with regard to the appropriateness of investing in any financial instruments and of any investment strategies, and with regard to further and updated information with respect to certain investment opportunities and should seek the advice of an independent investment adviser for individual investment advice and the advice of a legal and tax advisor.

To the extent that this Presentation contains indications with regard to tax effects it is noted that the actual tax effects are subject to the individual circumstances of the investor and subject to any future changes.

This presentation and its contents must not be further published, reproduced, redistributed, disclosed or passed on to any third party, in whole or in part, for any purpose. Please note that the distribution of Information relating to issuers of financial instruments, and offer and sale of financial instruments may be subject to restrictions. Persons who obtain possession of this document have to inform themselves about national restrictions and have to comply with them.

This presentation and the information in particular is not for publication, release, distribution or transfer to citizens of the United States or Canada, Australia, Japan, Hong Kong or any other jurisdiction in which investment advice or the recommendation, offer or solicitation of an offer to purchase any State Treasury Notes is restricted by law, or to residents of such jurisdictions. Also, the information is only under limited circumstances intended for publication, release, distribution or transfer in the United Kingdom. Any selling and distribution restrictions as set out otherwise apply accordingly. The information contained in this document is not for distribution to, or use in, any jurisdiction or country where such distribution or use would be contrary to law or regulation.