

# Sovereign SI Report



**FTSE  
RUSSELL** An LSEG Business

**Index:** Climate EMU Government Bond Index  
**Comparison Index:** EMU Government Bond Index  
**Date of weights:** 01/03/2025  
**Date of report:** 01/03/2025

Metric	Scope	Unit	Year of SI Data	Date of SI Dataset	Index		Comparison Index	
					Value	Coverage	Value	Coverage
<b>Climate - Climate Risk-Adjusted GBI Series Scores (Enhanced Methodology)</b>								
Wtd avg Transition Risk Pillar Score	Applicable universe(s)	0-1 Score	2024	25/02/2025	0.78	100.00%	0.77	100.00%
Wtd avg Physical Risk Pillar Score	Applicable universe(s)	0-1 Score	2024	25/02/2025	0.64	100.00%	0.61	100.00%
Wtd avg 2050 Physical Risk Sub-Pillar Score	Applicable universe(s)	0-1 Score	2024	25/02/2025	0.64	100.00%	0.60	100.00%
Wtd avg Resilience Pillar Score	Applicable universe(s)	0-1 Score	2024	25/02/2025	0.73	100.00%	0.72	100.00%

<b>Climate – Temperature and GHG Emissions Exposures</b>								
Wtd avg NDC Implied Temperature Rise	NDC	°C	2024	25/02/2025	1.83	100.00%	1.85	100.00%
Wtd avg Territorial GHG Emissions	Territorial GHG	MtCO <sub>2</sub> e	2023	25/02/2025	342.56	100.00%	345.62	100.00%
Wtd avg Territorial GHG Emissions per GDP	Territorial GHG	tCO <sub>2</sub> e/PPP USDm	2023	25/02/2025	96.97	100.00%	98.67	100.00%
Wtd avg Territorial GHG Emissions per capita	Territorial GHG	tCO <sub>2</sub> e/capita	2023	25/02/2025	6.20	100.00%	6.34	100.00%
Wtd avg Consumed GHG Emissions per capita	Consumed GHG	tCO <sub>2</sub> e/capita	2023	25/02/2025	8.61	100.00%	8.79	100.00%

**Notes:**

Climate Risk-Adjusted GBI Series: FTSE Climate Risk-Adjusted Government Bond Index Series.

Wtd avg method: Sum of weighted average (Wtd avg or WA) contributions based on the considered metric. Contributions are calculated for each country based on (i) the weight of the considered country in the index, multiplied by (ii) the considered metric's value applicable to this country. Weights are rebased to 100% if some values are missing.

Year of SI Data: Year of the SI data applied to the analysis (for example, the year of available greenhouse gas emissions applied in a given analysis, corresponding to the year during which these GHG emissions have been emitted).

Date of SI Dataset: Date of the SI dataset (snapshot) from which the SI data are selected (for example, greenhouse gas emissions applicable to a given analysis could be retrieved from an SI dataset as of the 1st February of the year, or the 31st October of the previous year).

**Temperature and GHG (Greenhouse Gas Emissions) Emissions Scopes:**

Nationally Determined Contributions Implied Temperature Rise (NDC ITR): indicate the global ITR that would result if every country that has a commitment or set of policies with the same level of ambition as the studied country. However, they do not imply that those countries alone can have such an influence on global temperature.

Above GHG emissions exposures are based on CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, and include emissions from LULUCF (Land Use, Land-Use Change and Forestry).

Territorial GHG: GHG emissions emitted on the territory of the country.

Consumed GHG Emissions: GHG emissions emitted on the territory of the country minus exported GHG emissions from the country plus imported GHG emissions to the country.

**Disclaimer:**

© [2025] London Stock Exchange Group plc and its applicable group undertakings ("LSEG"). LSEG includes (1) FTSE International Limited ("FTSE"), (2) Frank Russell Company ("Russell"), (3) FTSE Global Debt Capital Markets Inc. and FTSE Global Debt Capital Markets Limited (together, "FTSE Canada"), (4) FTSE Fixed Income Europe Limited ("FTSE FI Europe"), (5) FTSE Fixed Income LLC ("FTSE FI"), (6) FTSE (Beijing) Consulting Limited ("WOFE") (7) Refinitiv Benchmark Services (UK) Limited ("RBSL"), (8) Refinitiv Limited ("RL") and (9) Beyond Ratings S.A.S. ("BR"). All rights reserved.

FTSE Russell® is a trading name of FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, WOFE, RBSL, RL, and BR. "FTSE®", "Russell®", "FTSE Russell®", "FTSE4Good®", "ICB®", "Refinitiv", "Beyond Ratings®", "WMR™", "FR™" and all other trademarks and service marks used herein (whether registered or unregistered) are trademarks and/or service marks owned or licensed by the applicable member of LSEG or their respective licensors and are owned, or used under licence, by FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, WOFE, RBSL, RL or BR. FTSE International Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator. Refinitiv Benchmark Services (UK) Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator.

All information is provided for information purposes only. All information and data contained in this publication is obtained by LSEG, from sources believed by it to be accurate and reliable. Because of the possibility of human and mechanical inaccuracy as well as other factors, however, such information and data is provided "as is" without warranty of any kind. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the accuracy, timeliness, completeness, merchantability of any information or LSEG Products, or of results to be obtained from the use of LSEG products, including but not limited to indices, rates, data and analytics, or the fitness or suitability of the LSEG products for any particular purpose to which they might be put. The user of the information assumes the entire risk of any use it may make or permit to be made of the information.

No responsibility or liability can be accepted by any member of LSEG nor their respective directors, officers, employees, partners or licensors for (a) any loss or damage in whole or in part caused by, resulting from, or relating to any inaccuracy (negligent or otherwise) or other circumstance involved in procuring, collecting, compiling, interpreting, analysing, editing, transcribing, transmitting, communicating or delivering any such information or data or from use of this document or links to this document or (b) any direct, indirect, special, consequential or incidental damages whatsoever, even if any member of LSEG is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, such information.

No member of LSEG nor their respective directors, officers, employees, partners or licensors provide investment advice and nothing in this document should be taken as constituting financial or investment advice. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any representation regarding the advisability of investing in any asset or whether such investment creates any legal or compliance risks for the investor. A decision to invest in any such asset should not be made in reliance on any information herein. Indices and rates cannot be invested in directly. Inclusion of an asset in an index or rate is not a recommendation to buy, sell or hold that asset nor confirmation that any particular investor may lawfully buy, sell or hold the asset or an index or rate containing the asset. The general information contained in this publication should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Past performance is no guarantee of future results. Charts and graphs are provided for illustrative purposes only. Index and/or rate returns shown may not represent the results of the actual trading of investable assets. Certain returns shown may reflect back-tested performance. All performance presented prior to the index or rate inception date is back-tested performance. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index or rate was officially launched. However, back-tested data may reflect the application of the index or rate methodology with the benefit of hindsight, and the historic calculations of an index or rate may change from month to month based on revisions to the underlying economic data used in the calculation of the index or rate.

This document may contain forward-looking assessments. These are based upon a number of assumptions concerning future conditions that ultimately may prove to be inaccurate. Such forward-looking assessments are subject to risks and uncertainties and may be affected by various factors that may cause actual results to differ materially. No member of LSEG nor their licensors assume any duty to and do not undertake to update forward-looking assessments.

No part of this information may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the applicable member of LSEG. Use and distribution of LSEG data requires a licence from LSEG and/or its licensors.