

This report was prepared in accordance with the GRI G4 Framework, reporting option "Core".

GRI		Assurance	
indicator	Page number/comment	provided	Omissions
	ndard disclosures	protitues.	
Strategy and			
G4-1	Financial report 2017, p. 4	✓	
Organisationa			
G4-3	Financial report 2017, p. 18		
G4-3	Financial report 2017, p. 18		
G4-4 G4-5	Financial report 2017, p. 18		
	Financial report 2017, p. 18		
G4-6 G4-7	Financial report 2017, p. 18		
G4-7 G4-8	Financial report 2017, p. 18		
G4-9	Financial report 2017, pp. 18, 32, 65, 67, 126, 127 Financial report 2017, p. 74		
G4-10	The company's business activity is performed almost exclusively by employees and is not subject to seasonal fluctuation. Information is only recorded on Deutsche Börse Group employees. Data on external reporting staff (temporary employees) and contractors is not recorded.		
G4-11	Financial report 2017, p. 74	√ √	
0.4.10	52%		
G4-12	Financial report 2017, pp. 85, 86		
G4-13	For changes regarding the organisation's size, structure, ownership or supply chain, see the financial report 2017, pp. 18, 19 No significant changes were made in supplier locations, the structure of the supply chain, or supplier selection.	·	
G4-14	Deutsche Börse Group is conscious of its social and ecological responsibility and is committed to the principles of sustainability. The company meets its corporate responsibility comprehensively and in dialogue with its relevant stakeholder groups it relies to a Group-wide sustainability strategy, with the objective of strengthening and securing the economical and social value of the Group. Financial report 2017, p. 24		
G4-15	Financial report 2017, pp. 4, 157, 158	√	-
G4-16	http://deutsche-boerse.com/dbg-en/sustainability/build-trust/memberships	√	- -
Identified ma	terial aspects and boundaries		
G4-17	Financial report 2017, p. 18	√	
G4-18	Financial report 2017, p. 66 http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/action-areas		
G4-19	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/action-areas	√	- -
G4-20	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/action-areas		
G4-21	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/action-areas		_
G4-22	No restatements made		_
G4-23	No significant changes from in the scope and aspect boundaries		_
Stakeholder e	engagement		
G4-24	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/dialogue		
G4-25	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/dialogue		_
G4-26	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/dialogue		
G4-27	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/action-areas	√	

		_	
GRI		Assurance	
indicator	Page number/comment	provided	Omissions
Report profil	е		
G4-28	1 Jan 2017 - 31 Dec 2017	√	
G4-29	16 Mar 2017	√	
G4-30	Annually	√	
G4-31	http://deutsche-boerse.com/dbg-en/sustainability/our-responsibility/contacts	√	
G4-32	http://deutsche-boerse.com/dbg-en/sustainability/reporting/gri	√	
	a.&b. "Core", this table		
G4-33	Financial report 2017, pp. 169–170, U6 http://deutsche-boerse.com/dbg-en/meta/Report-of-the-independent-auditor-/2952014	√	
Covernance			
Governance G4-34	Financial report 2017, p. 6 The Executive Board	√	
G4-34	Financial report 2017, p. 7 The Supervisory Board Financial report 2017, pp. 9–16 Report of the Supervisory Board Financial report 2017, pp. 159–161 Financial report 2017, p. 24 Group Sustainability Board http://deutsche-boerse.com/dbg-en/sustainability/our-responsibility		
	Group Sustainability is responsible for the coordination of management of environmental and social and governance (ESG) topics. Deutsche Börse Group's Risk Management Committee also takes ESG risks into consideration as long as these topics are core business-related.		
Ethics and ir	ntegrity		
G4-56	Financial report 2017, pp. 157, 158	√	
Specific sta	andard disclosures		
Deutsche E	Börse Group area for action: economic performance		
Category: ec	onomic		
GRI material	aspect: economic performance		
G4-DMA	Financial report 2017, pp. 3-5		
G4-EC1	Financial report 2017, p. 63		For technical reasons, it is not possible to designate costs by region at this time. The company is assessing the current procedure for improvement potential.
GRI material	aspect: indirect economic impacts		
G4-DMA	Financial report 2017, pp. 79-82	√ √	
G4-EC8	http://deutsche-boerse.com/dbg-en/sustainability/build-trust/transparency-initiatives	√ √	
	Financial report 2017, p. 82		
	Deutsche Börse Group's indirect economic impact, namely trading activity and traded contracts, benchmarked against other exchange operators can be found in the financial report 2017, p. 34.		
Deutsche E	Börse Group area for action: corporate citizenship		
Category: en	vironmental		
GRI material	aspect: materials		
G4-DMA	http://deutsche-boerse.com/dbg-en/sustainability/set-an-example/environmental-management		
	http://deutsche-boerse.com/dbg-en/sustainability/our-responsibility		

GRI indicator Page number/comment

Assurance provided

Omissions

G4-EN1 http://deutsche-boerse.com/dbg-en/sustainability/reporting/esg-indicators/environmental

Paper consumption (in tonnes)

Locations	t
Frankfurt/Eschborn	38
Luxembourg	30
Prague	9
Cork	7
London	4
Chicago	1
Hong Kong	1
Singapore	3
Zurich	0
Frankfurt Grüneburgweg	1
Leipzig	2
Amsterdam	1
Paris	2
Other locations	1
Total	100

GRI material aspect: energy

G4-DMA http://deutsche-boerse.com/dbg-en/sustainability/set-an-example/environmental-

nanagement

http://deutsche-boerse.com/dbg-en/sustainability/our-responsibility

G4-EN3

http://deutsche-boerse.com/dbg-en/sustainability/reporting/esg-

indicators/environmental

Fuel consumption in gigajoule (GJ) for the shuttle bus between Eschborn and Luxembourg, our company car fleet and staff air travel

Transport type	GJ
Shuttle bus	1,411
Company car fleet	22,942
Air travel	27,635
Total	51,988

Energy consumption in megawatt hours (Mwh) and gigajoule (GJ)

Locations	MWh	GJ
Frankfurt/Eschborn	50,963	183,467
Luxembourg	16,002	57,607
Prague	2,697	9,709
Cork	867	3,121
London	859	3,092
Chicago	380	1,368
Hong Kong	94	338
Singapore	413	1,487
Zurich	198	713
Frankfurt Grüneburgweg	608	2,189
Leipzig	637	2,293
Amsterdam	386	1,390
Paris	188	677
Other locations	356	1,282
Total	74,648	268,733

Туре	MWh	GJ
Electricity consumption	48,944	176,198
District heating	3,304	11,894
Gas	22,400	80,640
Total	74,647	268,732

GRI indicator Pa

Page number/comment

Assurance provided

Omissions

We do not collect data on the average fuel consumption for our company cars; instead, we used the national average for new car registrations (5.9I / 100km). Energy consumption figures for flights taken as part of business trips are based on the person kilometres flown. The average figure for this published by the Bundesverband der Deutschen Luftverkehrswirtschaft (BDL, the German Aviation Association) is 3.63I / 100km per passenger. The consumption figures for the shuttle buses are based on data provided by the transport company concerned:

Coach	29I / 100km
Midibus	16I / 100km
Minibus	10I / 100km

Energy consumption totalled 268,733GJ in 2017. Figures are converted from kilowatt hours to gigajoule based on the defined conversion factors. Otherwise generally recognised standard factors such as DEFRA or IEA are used. Energy and district heating are only sold in small volumes as part of a lease agreement.

G4-EN6

http://deutsche-boerse.com/dbg-en/sustainability/reporting/esg-indicators/environmental

Change of energy consumption 2016 to 2017

Locations	MWh	GJ
Frankfurt/Eschborn	7,086	25,510
Luxembourg	-282	-1,015
Prague	541	1,948
Cork	-145	-522
London	-662	-2,383
Chicago	-304	-1,094
Hong Kong	21	76
Singapore	128	461
Total	6.383	22.981

For the locations Frankfurt Grüneburgweg, Leipzig, Amsterdam, Paris and Zurich the previous year's values were not individually recorded.

All energy sources in G4-EN3 were also included in G4-EN6. The difference in energy consumption is calculated in comparison to the previous year. Emission reductions result in part from purchases of green electricity for our properties at the Frankfurt/Eschborn and Luxembourg locations. The sharp rise in total consumption in Frankfurt/Eschborn reported here results from an unusually low value reported in the previous year due to a one-time, unscheduled change in the energy supply. The data is not gathered on the basis of specific initiatives to reduce energy consumption.

G4-EN7

Financial report 2017, p. 45 (source for net revenue 2016–2017)

http://deutsche-boerse.com/dbg-en/sustainability/reporting/esg-indicators/environmental (source for energy consumption 2016–2017)

Change of total energy consumption:

2015 versus 2016 = -7GJ / €m (6% reduction)

2016 versus 2017 = 9GJ / €m (9% increase)

The conversion of kilowatt hours into gigajoule is calculated based on the defined conversion factors. The reduction in energy consumption is calculated on a year-on-year basis.

We sourced the emission factors from the local energy suppliers.

GRI			Assurance			
indicator	Page number/comment		provided	Omissions		
	aspect: water		<u>'</u>			
G4-DMA	•	stainability/set-an-example/environment	al-			
	management					
	http://deutsche-boerse.com/dbg-en/su	stainability/our-responsibility				
G4-EN8	http://deutsche-boerse.com/dbg-en/su	istainability/reporting/esg-	√			
	indicators/environmental					
	Water consumption from municipal se					
	Locations	m³				
	Frankfurt/Eschborn	37,662				
	Luxembourg	26,570				
	Prague	7,465				
	Cork	3,100				
	London	1,541				
	Chicago	446				
	Hong Kong	39				
	Singapore	1,777				
	Frankfurt Grüneburgweg	873				
	Leipzig	1,162				
	Amsterdam	406				
	Paris	1,608				
	Zurich	4,049				
	Other locations	746				
	Total	87,444				
		<u> </u>				
	The figures given in the table are taken from meter readings. Due to evaporation,					
	the volume of water withdrawn in Frankfurt/Eschborn and Prague is higher than					
	the amount of water discharged.					
GPI material	aspect: emissions					
G4-DMA	<u> </u>	ıstainability/set-an-example/environmenta				
G4-DIVIA		istamability/set-an-example/environment	al-			
	management					
	http://deutsche-boerse.com/dbg-en/su			_		
G4-EN15	http://deutsche-boerse.com/dbg-en/sustainability/reporting/esg-					
	indicators/environmental					
	CO ₂ emissions (in t)					
	Total gas (Frankfurt/Eschborn, Cork,	London, Zurich): 4,524				
	Emission factors					
	Frankfurt/Eschborn: gas - 202g CO ₂ /	[/] kWh				
	Cork: 185g CO ₂ / kWh					
	London: 236g CO ₂ / kWh					
	Zurich: 245g CO ₂ / kWh					

GRI indicator

Page number/comment

Assurance provided

Omissions

G4-EN16 http://deutsche-boerse.com/dbg-en/sustainability/reporting/esg-indicators/environmental

Emission factors

Locations	Electricity (g CO ₂ / kWh)	Heating (g CO ₂ / kWh)
Frankfurt/Eschborn	0	169
Luxembourg	0	235.6
Prague	184	335
Cork	0	n/a
London	527	202
Chicago	435	235.6
Hong Kong	790	235.6
Singapore	433	235.6
Zurich	0	n/a
Frankfurt Grüneburgweg	245	202
Leipzig	0	235.6
Amsterdam	452	235.6
Paris	64	235.6
Other locations	398	235.6

We sourced the emission factors from the local energy suppliers.

Scope 2 emissions

Locations	Electricity (t CO ₂)	Heating (t CO ₂)
Frankfurt/Eschborn	0	126
Luxembourg	0	238
Prague	414	151
Cork	0	n/a
London	349	n/a
Chicago	141	13
Hong Kong	55	6
Singapore	124	30
Zurich	0	n/a
Frankfurt Grüneburgweg	50	82
Leipzig	0	41
Amsterdam	109	34
Paris	5	27
Other locations	120	13
Total	1,366	761

Total Scope 2 CO₂ emissions for 2017 were 2,127 tonnes.

G4-EN17

http://deutsche-boerse.com/dbg-en/sustainability/reporting/esg-indicators/environmental

Scope 3 emissions

Means of travel	t
Company cars	1,567
Shuttle bus	97
Flights	3,457
Total	5,121

We use MAN factors for emissions from company cars and shuttle buses. We use the generally recognised DEFRA standard factors for flights. These are applied to the distance in kilometres driven/flown, which we obtain from the Group-wide travel agency.

GRI **Assurance** indicator provided **Omissions** Page number/comment G4-EN19 http://deutsche-boerse.com/dbg-en/sustainability/reporting/esgindicators/environmental Changes in Scope 1 and 2 CO₂ emissions Locations Frankfurt/Eschborn 1.773 Luxembourg _9 Prague 115 Cork -23 -126 London Chicago -83 Hong Kong 4 Singapore 31 Zurich 0 Other locations -41 1,641 For the locations Frankfurt Grüneburgweg, Leipzig, Amsterdam, Paris and Zurich the previous year's values were not individually recorded. Changes are calculated on a year-on-year basis. The strong reduction of emissions shown is due to a one-time, unscheduled energy supply change in Eschborn. GRI material aspect: effluents and waste G4-DMA http://deutsche-boerse.com/dbg-en/sustainability/set-an-example/environmentalmanagement http://deutsche-boerse.com/dbg-en/sustainability/our-responsibility G4-EN22 Water discharge to municipal sewage plant. The discharge for Frankfurt/Eschborn 4,093m³ lower than the water withdrawal due to evaporation. Water consumption p.a. Location m³ Frankfurt/Eschborn 33,569 Luxembourg 26,570 Prague 7,465 Cork 3,100 London 1,541 Chigago 445 Hong Kong 39 1,777 Singapore Frankfurt Grüneburgweg 873 1,162 Leipzig Amsterdam 406 Paris 1,608 Zurich 4.049 Other locations 746 Total 83,350 G4-EN23 Waste Туре Hazardous 6

Hazardous waste is only classified as such at our Frankfurt/Eschborn (4t) and Luxembourg (2t) locations.

368

208 267

131

980

Non-hazardous

Recycled

Total

Composted Unclassified

GRI indicator	Page number/comment	Assurance provided	Omissions
	rse Group area for action: human capital development	17.7.404	
Category: socia			
	labour practices and decent work		
	spect: employment		
G4-DMA	Financial report 2017, pp. 69–71	√ √	
G4-LA1	Financial report 2017, p. 68		
G4-LA2	Financial report 2017, p. 70	√ √	
G4-LA3	Financial report 2017, p. 69	√ √	
GRI material a	spect: training and education		
G4-DMA	Financial report 2017, pp. 70, 71, 73	√ √	
G4-LA9	Financial report 2017, p. 73	√ √	-
G4-LA11	Financial report 2017, pp. 70, 71	√ √	
GRI material a	spect: diversity and equal opportunity		
G4-DMA	Financial report 2017, pp. 71, 72	√ √	
G4-LA12	Financial report 2017, pp. 7, 74, 75	√ √	For reasons of data protection, no further diversity aspects are disclosed.
GRI material a	spect: equal remuneration for women and men		
G4-DMA	Financial report 2017, p. 71	//	
G4-LA13	Financial report 2017, p. 71	~~	To prevent systematic remuneration disadvantages for women or men, Deutsche Börse AG carries out analyses for employees in Germany to identify any remuneration differences between women and men, a regular intervals. Detailed information on these differences is confidential and is therefore not reported here.
Gruppe Deut	sche Börse Group area for action: good governance		
Sub-category:	human rights		
GRI material a	spect: investment		
G4-DMA	Financial report 2017, pp. 85-87	√ √	
G4-HR1	Financial report 2017, p. 86	√ √	
GRI material a	spect: non-discrimination		_ <u>_</u>
G4-DMA	Financial report 2017, p. 71		
G4-HR3	Financial report 2017, p. 71	√ √	
	spect: supplier human rights assessment		-
G4-DMA	Financial report 2017, pp. 85–87		
G4-HR10	Financial report 2017, p. 86		
Sub-category:	-		
	spect: anti-corruption	_	<u> </u>
G4-DMA G4-SO4	Financial report 2017, pp. 76–79 Financial report 2017, pp. 77, 78		a) to e): No breakdown of information by region and
			employee category is available at present. Additionally, since Deutsche Börse Group's Compliance function is active enterprise-wide, we adopt a uniform approach for the Group as a whole, independent of the employee category or region concerned.
	rse Group area for action: brand management		
	product responsibility		
	spect: product and service labelling	√ √	
G4-DMA	Financial report 2017, p. 83		
G4-PR5			Financial report 2017, pp. 83
	rse Group area for action: transparent, stable and fair markets		
G4-DMA	Financial report 2017, pp. 79–82		
Transparency	Financial report 2017, p. 82	**	
Stability	Financial report 2017, p. 82	√ √	

GRI		Assurance	
indicator	Page number/comment	provided	Omissions
Deutsche Bö	rse Group area for action: sustainable product and service portfolio		
G4-DMA	Financial report 2017, pp. 83, 84	√ √	-
Sustainable index concepts	Financial report 2017, p. 84	√ √	
Deutsche Bö	rse Group area for action: stakeholder engagement		
G4-DMA	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/dialogue	✓	
See G4-24 to G4-27	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/dialogue	√	
	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/stakeholders		
	http://deutsche-boerse.com/dbg-en/sustainability/materiality-analysis/action-areas		

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