DWS Investment GmbH

DWS ESG Biotech

Semiannual Report 2022/2023



Investors for a new now



Contents

Semiannual report 2022/2023 for the period from October 1, 2022, through March 31, 2023 (in accordance with article 103 of the German Investment Code (KAGB))

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General information

Performance

The investment return, or performance, of a mutual fund investment is measured by the change in value of the fund's units. The net asset values per unit (= redemption prices), with the addition of intervening distributions, are used as the basis for calculating the value; in the case of domestic reinvesting funds, the domestic investment income tax - following any deduction of foreign withholding tax - plus solidarity surcharge charged to the fund are added. Performance is calculated in accordance with the "BVI method". Past performance is not a guide to future results.

The corresponding benchmarks – if available – are also presented in the report. All financial data in this publication is as of March 31, 2023 (unless otherwise stated).

Sales prospectuses

The sole binding basis for a purchase is the current version of the sales prospectus, including the Terms and Conditions of Investment, and the key investor information document, which are available from DWS Investment GmbH or any branch of Deutsche Bank AG as well as from other paying agents.

Information about the all-in fee

The all-in fee does not include the following expenses:

- a) any costs that may arise in connection with the acquisition and disposal of assets;
- b) any taxes that may arise in connection with administrative and custodial costs;
- c) the costs of asserting and enforcing the legal claims of the investment fund.

The details of the fee structure are set out in the current sales prospectus.

Issue and redemption prices

Each exchange trading day on the Internet:

www.dws.de

Russia/Ukraine crisis

The conflict between Russia and Ukraine marked a dramatic turning point in Europe, which, among other things, is impacting on Europe's security architecture and energy policies in the long term and has caused considerable volatility. This volatility is likely to continue. However, the specific or possible medium-to-long-term effects of the crisis on the economy, individual markets and sectors, as well as the social implications, cannot be conclusively assessed due to the uncertainty at the time of preparing this report. The Asset Management Company of the investment fund is therefore continuing its efforts, within the framework of its risk management strategy, to assess these uncertainties and their possible impact on the activities, liquidity and performance of the investment fund. The Asset Management Company is taking all measures deemed appropriate to protect investor interests to the greatest possible extent.

Renaming fund

The fund DWS Biotech was renamed DWS ESG Biotech effective January 1, 2023.



DWS ESG Biotech

(formerly: DWS Biotech)

Performance of unit classes (in EUR)					
Unit class	ISIN	6 months			
Class LC	DE0009769976	0.4%			
Class FC	DE000DWS2WY7	0.8%			
Class TFC	DE000DWS2UA1	0.8%			

DWS ESG Biotech		
Overview of the unit classes		
ISIN	LC TFC FC	DE0009769976 DE000DWS2UA1 DE000DWS2WY7
Security code (WKN)	LC TFC FC	976997 DWS2UA DWS2WY
Fund currency		EUR
Unit class currency	LC TFC FC	EUR EUR EUR
Date of inception and initial subscription	LC TFC FC	August 16, 1999 April 3, 2018 July 2, 2018
Initial sales charge	LC TFC FC	5% p.a. None None
Distribution policy	LC TFC FC	Reinvestment Reinvestment Reinvestment
All-in fee	LC TFC FC	1.5% p.a. 0.9% p.a. 0.75% p.a.
Minimum investment	LC TFC FC	None None EUR 2,000,000
Initial issue price	LC	EUR 50 (plus initial sales charge)
	TFC FC	EUR 100 EUR 100

DWS ESG Biotech

(formerly: DWS Biotech)

Statement of net assets as of March 31, 2023

	Amount in EUR	% of net assets
I. Assets		
1. Equities (sectors): Health Care Other	375 502 190.76 31.98	98.83 0.00
Total equities:	375 502 222.74	98.83
2. Investment fund units	1798 388.50	0.47
3. Derivatives	-8 465.02	0.00
4. Cash at bank	3125 067.85	0.82
5. Other assets	7683.65	0.00
II. Liabilities		
1. Other liabilities	-478 770.91	-0.12
III. Net assets	379 946 126.81	100.00

Negligible rounding errors may have arisen due to the rounding of calculated percentages.

Investment portfolio - March 31, 2023

Security name	Count/ currency (- / '000)	Quantity/ principal amount	Purchases/ additions in the repor	Sales/ disposals ting period	ı	Market price	Total market value in EUR	% of net assets
Securities traded on an exchange							375 502 190.76	98.83
Equities								
GENMAB (DK0010272202)	Count	7932		10 400	DKK	2575.0000	2742002.17	0.72
argenx (NL0010832176)	Count	44700		6 222	EUR	340.8000	15 233 760.00	4.01
AstraZeneca (GB0009895292)	Count	19 500		500	GBP	112.7510	2 496 757.28	0.66
Abeona Therapeutics (US00289Y2063)	Count	16 022			USD	2.8300	41636.60	0.01
AC Immune Reg. (CH0329023102)	Count	253 375		6100	USD	2.3800	553748.85	0.15
Acadia Pharmaceuticals (US0042251084)	Count	73 300	75 000	1700	USD	18.7000	1258 686.87	0.33
Aclaris Therapeutics (US00461U1051)	Count	99 444		2400	USD	8.3300	760 668.98	0.20
Agios Pharmaceuticals (US00847X1046)	Count	77 966	0.5741	1800	USD	22.5500	1614 447.47	0.42
Akero Therapeutics (US00973Y1082)	Count	83 741 224 054	85 741	2 000 5 400	USD USD	37.8000 9.5000	2 906 712.40 1 954 557.39	0.77 0.51
Aligos Therapeutics Inc. (US01626L1052)	Count Count	71290		5400	USD	1.0400	68 082.28	0.02
Alkermes (IE00B56GVS15)	Count	126 900		3100	USD	27.8200	3 241 834.71	0.85
Allogene Therapeutics (US0197701065).	Count	373 851		9100	USD	4.9700	1706 188.68	0.45
Alnylam Pharmaceuticals (US02043Q1076)	Count	67 601	15 000	16 600	USD	195.1200	12 112 311.40	3.19
Amgen (US0311621009)	Count	99 444		2 400	USD	241.5000	22 053 008.26	5.80
Apellis Pharmaceuticals (US03753U1060)	Count	170 800	104 000	3 200	USD	66.0200	10 354 651.97	2.73
Ardelyx (US0396971071)	Count	900 904	110 000	19 200	USD	4.5900	3 797 198.68	1.00
Arrowhead Pharmaceuticals (US04280A1007)	Count	123 711		3000	USD	24.4300	2775 261.46	0.73
Ascendis Pharma Sp.ADR (US04351P1012)	Count	74 532		1800	USD	108.5600	7 429 930.14	1.96
Avidity Biosciences (US05370A1088)	Count	99 444		2 400	USD	16.8000	1534122.31	0.40
Avrobio (US05455M1009)	Count	35 000			USD	0.9365	30 098.71	0.01
Biogen (US09062X1037)	Count	59 485	12 000	1400	USD	275.1300	15 028 565.70	3.96
Biomarin Pharmaceutical (US09061G1013)	Count	186 344	50 000	4500	USD	95.2900	16 305 527.79	4.29
BioNTech ADR (US09075V1026)	Count	76 400 146 400	25 410 150 000	1600 3600	USD USD	122.5700 3.1400	8 599 033.98 422 126.72	2.26 0.11
Bluebird Bio (US09609G1004)	Count Count	195 216	192 608	47 392	USD	17.1500	3 074 338.29	0.81
Calliditas Therapeutics ADR (US13124Q1067)	Count	90 509	20 678	1700	USD	22.7800	1893 292.03	0.50
Catalent (US1488061029)	Count	27 000	27 000	1700	USD	64.6700	1603 388.43	0.42
Chinook Therapeutics (US16961L1061).	Count	20 000	20 000		USD	23.1000	424 242.42	0.11
Coherus Biosciences (US19249H1032)	Count	109718		120 282	USD	6.4300	647 829.88	0.17
Cytokinetics (US23282W6057)	Count	156 357	23 000	3 800	USD	34.2100	4 911 820.91	1.29
Day One Biopharmaceuticals (US23954D1090)	Count	146 400	150 000	3 600	USD	12.7500	1714 049.59	0.45
Deciphera Pharmaceuticals (US24344T1016)	Count	146 400	150 000	3 600	USD	15.0200	2 019 217.63	0.53
Denali Therapeutics (US24823R1059)	Count	54150		1300	USD	21.9100	1089 464.19	0.29
Editas Medicine (US28106W1036)	Count	39100		900	USD	7.0300	252 408.63	0.07
Equillium (US29446K1060)	Count	348 061 244 100		8 400	USD USD	0.7428	237 410.20	0.06
Exelixis (US30161Q1040)	Count Count	315 000	30 000	5 900 18 334	USD	18.8300 81.4500	4 220 755.74 23 559 917.36	1.11 6.20
Illumina (US4523271090)	Count	9800	30 000	52 200	USD	225.2600	2 027 133.15	0.53
ImmunoGen (US45253H1014)	Count	97700		2300	USD	3.7100	332 843.89	0.09
Incyte Corp. (US45337C1027)	Count	78 811		1900	USD	71.0400	5141169.37	1.35
Intellia Therapeutics (US45826J1051)	Count	95 330		2300	USD	36.0200	3153155.74	0.83
Intra-Cellular Therapies (US46116X1019)	Count	150 000	20 000	10 000	USD	56.0500	7720385.67	2.03
Iovance Biotherapeutics (US4622601007)	Count	390 600	150 000	9 400	USD	6.1500	2 205 867.77	0.58
IVERIC Bio (US46583P1021)	Count	283 600	245 000	1400	USD	23.7700	6190240.59	1.63
Karuna Therapeutics (US48576A1007)	Count	46700		8 300	USD	180.2000	7727584.94	2.03
Kinnate Biopharma (US49705R1059)	Count	114 846	0.000	2800	USD	6.1100	644 360.94	0.17
Madrigal Pharmaceuticals (US5588681057)	Count	19 721	9 0 0 0	31500	USD	234.7100	4 250 427.83	1.12
Merus (NL0011606264)	Count	110 000 108 554	110 000 20 000	2700	USD USD	18.1800 36.6900	1836363.64 3657342.75	0.48 0.96
Moderna (US60770K1079)	Count Count		20000		USD			
Neurocrine Biosciences (US64125C1099)	Count	126 900 50 000	32 000	28 100 80 000	USD	147.4400 99.2100	17 181 024.79 4 555 096.42	4.52 1.20
Passage Bio (US7027121000)	Count	24 697	52 000	55 000	USD	0.9801	22 227.30	0.01
Pliant Therapeutics (US7291391057)	Count	112 200	145 000	32800	USD	26.5400	2734424.24	0.72
Protagonist Therapeutics (US74366E1029)	Count	45 000	90 000	45 000	USD	22.4900	929 338.84	0.24
Pyxis Oncology (US7473241013)	Count	25 000			USD	6.0000	137 741.05	0.04
Reata Pharmaceuticals Cl.A (US75615P1030)	Count	131 844	30 000		USD	90.0200	10 898 619.72	2.87
Regeneron Pharmaceuticals (US75886F1075)	Count	44 472	33 000	2600	USD	811.5000	33 139 603.31	8.72
Revolution Medicines (US76155X1000)	Count	49722		1200	USD	21.4600	979 829.31	0.26
Rubius Therapeutics (US78116T1034)	Count	150 000		4000	USD	0.0220	3 030.30	0.00
Sana Biotechnology (US7995661045)	Count	48 800		1200	USD	3.1100	139 364.55	0.04
Sarepta Therapeutics (US8036071004)	Count	131719		3 200	USD USD	136.0300	16 453 384.36	4.33 4.66
SeaGen (US81181C1045)	Count Count	95 000 30 059		7 712 56 508	USD	203.0800 25.4900	17 715 886.13 703 584.86	4.66 0.19
Ultragenyx Pharmaceutical (US90400D1081)	Count	151 051		3700	USD	38.6400	5 359 605.73	1.41
uniQure (NL0010696654)	Count	146 861	30 000	3600	USD	19.8000	2 670 200.00	0.70
aga.a (NEO010000001)	Count	110001	55 000	5 000	000	10.0000	20,0200.00	0.70

Security name	Count/ currency (- / '000)	Quantity/ principal amount	Purchases/ additions in the repor	Sales/ disposals ting period		Market price	Total market value in EUR	% of net assets
Ventyx Biosciences (US92332V1070). Vertex Pharmaceuticals (US92532F1003) Viking Therapeutics (US9268611060) Voyager Therapeutics (US92915B1061) Zymeworks (US98985Y1082)	Count Count Count Count Count	80 000 101200 234 967 53 700 89 559	90 000 91 659	10 000 18 000 5 700 1 300 2 100	USD USD USD USD USD	33.6800 312.1600 17.3300 7.7200 8.7600	2 474 196.51 29 008 808.08 3 739 190.18 380 683.20 720 419.50	0.65 7.63 0.98 0.10 0.19
Unlisted securities							31.98	0.00
Equities								
Intercell Right (Entitlement for amendment) (AT0000A10BA2)	Count	185 497			EUR	0.0001	18.55	0.00
Structural Bioinformatics S.D (XF0004472613)	Count	146 341			USD	0.0001	13.43	0.00
Investment fund units							1798 388.50	0.47
In-group fund units (incl. units of funds issued by the asse	t managemen	t company)					1798 388.50	0.47
DWS Deutsche GLS- Managed Dollar Fund Z (IE00BYQNZ507) (0.000%)	Count	183	7635	7628	USD	10 712.6569	1798 388.50	0.47
Total securities portfolio							377 300 611.24	99.30
Derivatives Minus signs denote short positions								
Currency derivatives							-8 465.02	0.00
Currency futures (long)								
Open positions GBP/USD 11.57 million							39 546.40	0.01
Currency futures (short)								
Open positions								
DKK/USD 15.95 million EUR/USD 2.96 million SEK/USD 47.03 million							-8 308.48 -11 369.82 -28 333.12	0.00 0.00 -0.01
Cash and non-securitized money market instruments							3 125 067.85	0.82
Cash at bank							3 125 067.85	0.82
Demand deposits at Depositary								
EUR deposits	EUR EUR	242 563.85 39 819.00			% %	100 100	242 563.85 39 819.00	0.06 0.01
Deposits in non-EU/EEA currencies								
Australian dollar. Canadian dollar Swiss franc British pound Japanese yen U.S. dollar	AUD CAD CHF GBP JPY USD	135.37 5 658.08 1 074.58 50 115.85 130 059.00 3 027 296.17			% % % % %	100 100 100 100 100 100	83.12 3 832.74 1 077.11 56 911.03 894.71 2 779 886.29	0.00 0.00 0.00 0.01 0.00 0.73
Other assets							7 683.65	0.00
Interest receivable	EUR	7 683.65			%	100	7683.65	0.00
Other liabilities							-478 770.91	-0.12
Liabilities from cost items	EUR	-478 770.91			%	100	-478 770.91	-0.12
Net assets							379 946 126.81	100.00

Net asset value per unit and number of units outstanding	Count/ currency	Net asset value per unit in the respective currency
Net asset value per unit Class LC Class TFC Class FC	EUR EUR EUR	238.81 146.34 124.86
Number of units outstanding Class LC Class TFC Class FC	Count Count Count	1539 909.443 56726.000 31248.000

Negligible rounding errors may have arisen due to the rounding of calculated percentages.

Exchange rates (indirect quotes)

As of March 31, 2023

Australian dollar	AUD	1.628550	=	EUR	1
Canadian dollar	CAD	1.476250	=	EUR	1
Swiss franc	CHF	0.997650	=	EUR	1
Danish krone	DKK	7.448900	=	EUR	1
British pound	GBP	0.880600	=	EUR	1
Japanese yen	JPY	145.365000	=	EUR	1
U.S. dollar	USD	1.089000	=	EUR	1

Transactions completed during the reporting period that no longer appear in the investment portfolio

Purchases and sales of securities, investment fund units and promissory note loans (Schuldscheindarlehen); market classifications are as of the reporting date

currency (- / '000) additions disposals Securities traded on an exchange MorphoSys (DE0006632003)..... 60 000 60,000 259 137 50,000 Zseventy Biot (uss01)341/07)

Affimed (NL0010872420)

Albireo Pharma (US01345P1066)

Amarin ADR (US0231112063)

Amicus Therapeutics (US03152W1099)

Anaptysbio (US037241065)

Arcus Biosciences (US03969F1093)

Blueprint Medicines (US03627Y1091)

Cardiff Oncology (US14147L1089)

Fate Therapeutics (US31189P1021) 132 398 Count 42 000 180 000 529 954 25 000 180 142 Count Count Count 114 000 224 057 Count Count Fate Therapeutics (US31189P1021)... Generation Bio Co. (US37148K1007) 156 106 122 213 Count Guardant Health CI.A (US40131M1099)

Horizon Therapeutics (IE00BQPVQZ61)

Legend Biotech ADR (US52490G1022) 60 369 Count Count 218 965 17 456 Count PTC Therapeutics (US69366J2006).
SAGE Therapeutics (US78667J1088) Count 101844 66 000 Count 91659

Derivatives (option premiums realized in opening transactions, or total options transactions; in the case of warrants, purchases and sales are shown)

transactions; in the case of warrants, purchases and sal		
	Va	alue ('000)
Currency futures		
Futures contracts to purchase currencies		
DKK/USD EUR/USD GBP/USD SEK/USD	EUR EUR EUR EUR	5 612 10 281 56 499 8 593
Futures contracts to sell currencies		
DKK/USD EUR/USD GBP/USD SEK/USD	EUR EUR EUR EUR	25 583 27 787 12 337 20 148
Securities loans (total transactions, at the value agreed contract)	at the closing of the	loan
	Va	alue ('000)
No fixed maturity	EUR	6

Security description: Calliditas Therapeutics ADR (US13124Q1067), Intercell Right (Entitlement for amendment) (AT0000A10BA2)

Notes to the financial statements (in accordance with article 7, no. 9, KARBV (Accounting and Valuation Regulation issued under the KAGB))

Other disclosures

Net asset value per unit, Class LC:
Net asset value per unit, Class TFC:
EUR 238.81
EUR 248.81
EUR 146.34
EUR 124.86

Number of units outstanding, Class LC: 1539 909.443 Number of units outstanding, Class TFC: 56726.000 Number of units outstanding, Class FC: 31248.000

Disclosure regarding asset valuation procedures:

The Depositary shall determine the value with the participation of the asset management company. The Depositary generally bases its valuation on external sources.

If no trading prices are available, prices are determined with the aid of valuation models (derived market values) which are agreed between the Depositary and the asset management company and which are based as far as possible on market parameters. This procedure is subject to an ongoing monitoring process. The plausibility of price information from third parties is checked through other pricing sources, model calculations or other suitable procedure.

Investments reported in this report are not valued at derived market values.

For investment fund units, the management fee / all-in fee rates in effect as of the reporting date for the investment funds held in the securities portfolio are shown in parentheses in the investment portfolio. A plus sign means that a performance-based fee may also be charged. As the fund held units of other investment funds (target funds) in the reporting period, further costs, charges and fees may have been incurred at the level of these individual target funds.

Information pursuant to Regulation (EU) 2015/2365 on transparency of securities financing transactions (SFTs) and of reuse and amending Regulation (EU) No. 648/2012 – Statement in accordance with Section A

	Securities lending	Repurchase agreements	Total return swaps
Stated in fund currency			
	1. Assets used		
Absolute		-	-
In % of the fund's net assets	-	-	-
	0.7.40		
4.11	2. Top 10 counterparties		
1. Name			
Gross volume of open transactions			
Country of registration			
2. Name			
Gross volume			
of open transactions			
Country of registration			
3. Name			
Gross volume of open transactions			
Country of registration			
country of region and		l	
4. Name			
Gross volume of open transactions			
Country of registration			
5. Name			
Gross volume of open transactions			
Country of registration			
6. Name			
Gross volume			
of open transactions			
Country of registration			
7. Name			
Gross volume of open transactions			
Country of registration			
8. Name			
Gross volume of open transactions			
Country of registration			

9. Name			
Gross volume of open transactions			
Country of registration			
10. Name			
Gross volume of open transactions			
Country of registration			
	3. Type(s) of settlement and clearing		
(e.g., bilateral, tri-party, central counterparty)	-	-	-
	4. Transactions classified by term to r	maturity (absolute amounts)	
Less than 1 day	-	-	-
1 day to 1 week	-	-	-
1 week to 1 month	-	-	-
1 to 3 months	-	-	-
3 months to 1 year	-	-	-
More than 1 year	-	-	-
No fixed maturity	-	-	-
	5. Type(s) and quality/qualities of coll	lateral received	
	Type(s):		
Bank balances	-	-	-
Bonds	-	-	-
Equities	-	-	-
Other	-	-	-
	Quality/Qualities:		
		everse repurchase agreements or transactions teral in one of the following forms is provided	
	of March 19, 2007, letters of credit and first	nk deposits, money market instruments accord t-demand guarantees that are issued by top-ra I member country or its local authorities or by dless of their term to maturity	ted credit institutions not affiliated with the
	- Units of a collective investment undertaking a rating of AAA or an equivalent rating	ng investing in money market instruments tha	t calculates a net asset value daily and has
	- Units of a UCITS that invests predominant	tly in the bonds and equities listed under the n	ext two indents
	- Bonds, regardless of their term to maturity	y, that have a minimum rating of low investme	nt-grade
	– Equities admitted to or traded in a regulat member country, provided that these equi	ed market in a member state of the European ities are included in a major index	Union or on an exchange in an OECD
		ght to restrict the permissibility of the aforements serves the right to deviate from the aforement	
	Additional information on collateral requires	ments can be found in the sales prospectus fo	r the fund/sub-fund.

	6. Currency/Currencies of collateral re	eceived	
Currency/Currencies:	-	-	-
	7. Collateral classified by term to matu	urity (absolute amounts)	
Less than 1 day	-	-	-
1 day to 1 week	-	-	-
1 week to 1 month	-	-	-
1 to 3 months	-	-	-
3 months to 1 year	-	-	-
More than 1 year	-	-	-
No fixed maturity	-	-	-
	8. Income and cost portions (before in	ncome adjustment)*	
	Income portion of the fund		
Absolute	138.20	-	-
In % of gross income	67.00	-	-
Cost portion of the fund	-	-	-
	Income portion of the Management C	Company	
Absolute	68.04	-	-
In % of gross income	33.00	-	-
Cost portion of the Management Company	-	-	-
	In a company and the company of the		
Absolute	Income portion of third parties	_	
		-	-
In % of gross income			-
Cost portion of third parties	-	-	-
	9. Income for the fund from reinvestm	ent of cash collateral, based on all SF	Ts and total return swaps
Absolute			-
	10. Lent securities in % of all lendable	assets of the fund	
Total	-		
Share	-		
	11. Top 10 issuers, based on all SFTs ar	nd total return swaps	
1. Name			
Volume of collateral received (absolute)			
2. Name			
Volume of collateral received			
(absolute)			

3. Name			
Volume of collateral received (absolute)			
4. Name			
Volume of collateral received (absolute)			
5. Name			
Volume of collateral received (absolute)			
6. Name			
Volume of collateral received (absolute)			
		1	
7. Name			
Volume of collateral received (absolute)			
8. Name			
Volume of collateral received (absolute)			
9. Name			
Volume of collateral received (absolute)			
10. Name			
Volume of collateral received (absolute)			
	12. Reinvested collateral in % of colla	teral received, based on all SFTs and t	otal return swaps
Share			-
	13. Custody type of provided collatera (In % of all provided collateral from SFT	al from SFTs and total return swaps s and total return swaps)	
Segregated cash/custody accounts	-		-
Pooled cash/custody accounts	-		-
Other cash/custody accounts	-		-
Recipient determines	-		-
custody type			

	14. Depositaries/Account holders of received collateral from SFTs and total return swaps		
Total number of depositaries/ account holders	-	-	-
1. Name			
Amount held in custody (absolute)			

^{*} Any deviations compared to the corresponding information in the detailed statement of income and expenses are based on effects due to income adjustment.

Asset Management Company

DWS Investment GmbH 60612 Frankfurt/Main, Germany Own funds on December 31, 2022: EUR 452.6 million Subscribed and paid-in capital on December 31, 2022: EUR 115 million

Supervisory Board

Dr. Stefan Hoops Chairman DWS Management GmbH (personally liable partner of DWS Group GmbH & Co. KGaA), Frankfurt/Main

Christof von Dryander Vice-Chairman Cleary Gottlieb Steen & Hamilton LLP, Frankfurt/Main

Hans-Theo Franken Chairman of the Supervisory Board Deutsche Vermögensberatung AG, Frankfurt/Main

Dr. Alexander Ilgen Deutsche Bank AG, Frankfurt/Main

Dr. Stefan Marcinowski Ludwigshafen

Prof. Christian Strenger The Germany Funds, New York

Elisabeth Weisenhorn Portikus Investment GmbH, Frankfurt/Main

Gerhard Wiesheu Member of the Management Board of Bankhaus Metzler seel. Sohn & Co. AG, Frankfurt/Main

Susanne Zeidler Frankfurt/Main

Management

Manfred Bauer Speaker of the Management

Member of the Management of DWS Management GmbH (personally liable partner of DWS Group GmbH & Co. KGaA), Frankfurt/Main Member of the Management of DWS Beteiligungs GmbH, Frankfurt/Main Member of the Supervisory Board of DWS Investment S.A., Luxembourg

Dr. Matthias Liermann

Member of the Management of DWS International GmbH, Frankfurt/Main Member of the Management of DWS Beteiligungs GmbH, Frankfurt/Main Member of the Supervisory Board of DWS Investment S.A., Luxembourg

Petra Pflaum

Member of the Management of DWS Beteiligungs GmbH, Frankfurt/Main

Gero Schomann (since April 4, 2023)

Member of the Management of DWS International GmbH, Frankfurt/Main Member of the Management of DWS Beteiligungs GmbH, Frankfurt/Main

Vincenzo Vedda (since February 17, 2023) Member of the Management of DWS Beteiligungs GmbH, Frankfurt/Main Member of the Supervisory Board of MorgenFund GmbH, Frankfurt/Main

Dirk Görgen (until December 31, 2022)

Member of the Management of DWS Management GmbH (personally liable partner of DWS Group GmbH & Co. KGaA), Frankfurt/Main

Stefan Kreuzkamp (until December 31, 2022) Frankfurt/Main

Depositary

State Street Bank International GmbH Brienner Straße 59 80333 Munich, Germany Own funds on December 31, 2021: EUR 2,071.9 million Subscribed and paid-in capital on December 31, 2021: EUR 109.4 million

Shareholder of DWS Investment GmbH

DWS Beteiligungs GmbH, Frankfurt/Main

As of: April 4, 2023

DWS Investment GmbH

60612 Frankfurt/Main, Germany

Tel.: +49 (0) 69-910-12371 Fax: +49 (0) 69-910-19090

www.dws.com