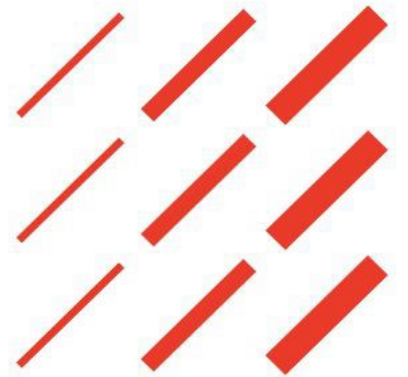


Samkeppnishæfni Íslands 2019

Hvar stöndum við?

UMHVERFISLINSAN

Hrund Gunnsteinsdóttir
Framkvæmdarstjóri Festu



F E S T A

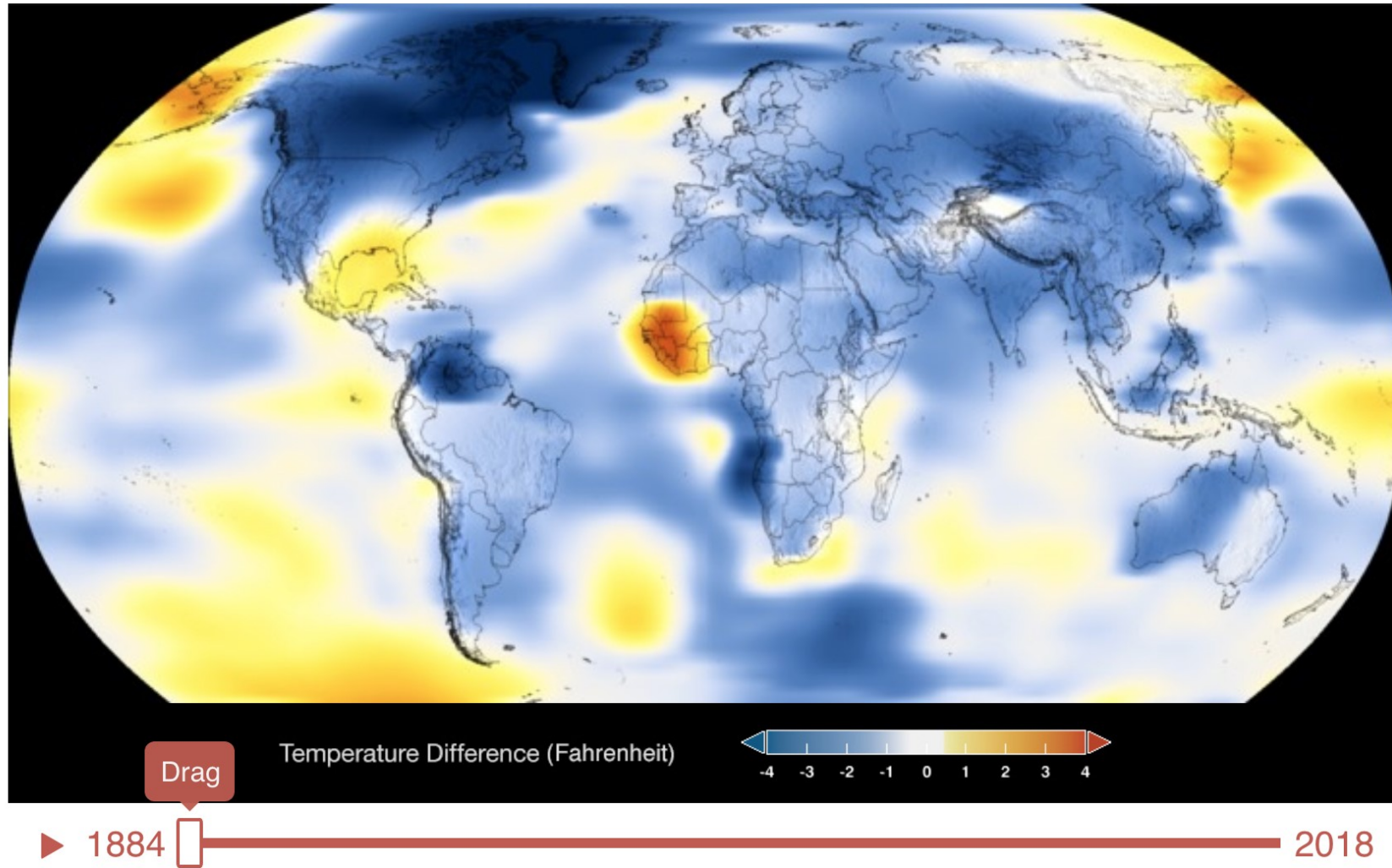
Ein pláneta

Eitt vistkerfi

Ein heild



Global Temperature



<https://climate.nasa.gov/interactives/climate-time-machine/>

Á hverri **sekúndu** bráðnar 10.000 tonn af ís á Norðurskautinu.

Á hverjum **degi** bráðnar það mikill ís á Norðurskautinu að vatnið sem verður til gæti séð New York fyrir vatnsforða **í heilt ár.**



“Arctic seawater is warming and sea ice is melting at the fastest pace in 1,500 years.”

“What happens in the Arctic doesn’t stay in the Arctic; it affects the rest of the planet. The Arctic has huge influence on the world at large.”

NOAA chief Timothy Gallaudet.



“The fabled Northwest Passage is more than a destination for explorers and commercial ship traffic; the Arctic is an oceanographic freight train that ties together and influences other maritime regions and the global climate system.”

***4 reasons why the Arctic is key to our planet's survival,
World Economic Forum***



Meðal hækkun um 1°

2-3 sinnum meiri hækkun á Norðurskautinu



Andrúmsloftið, hafið, hárblásarinn og teketillinn



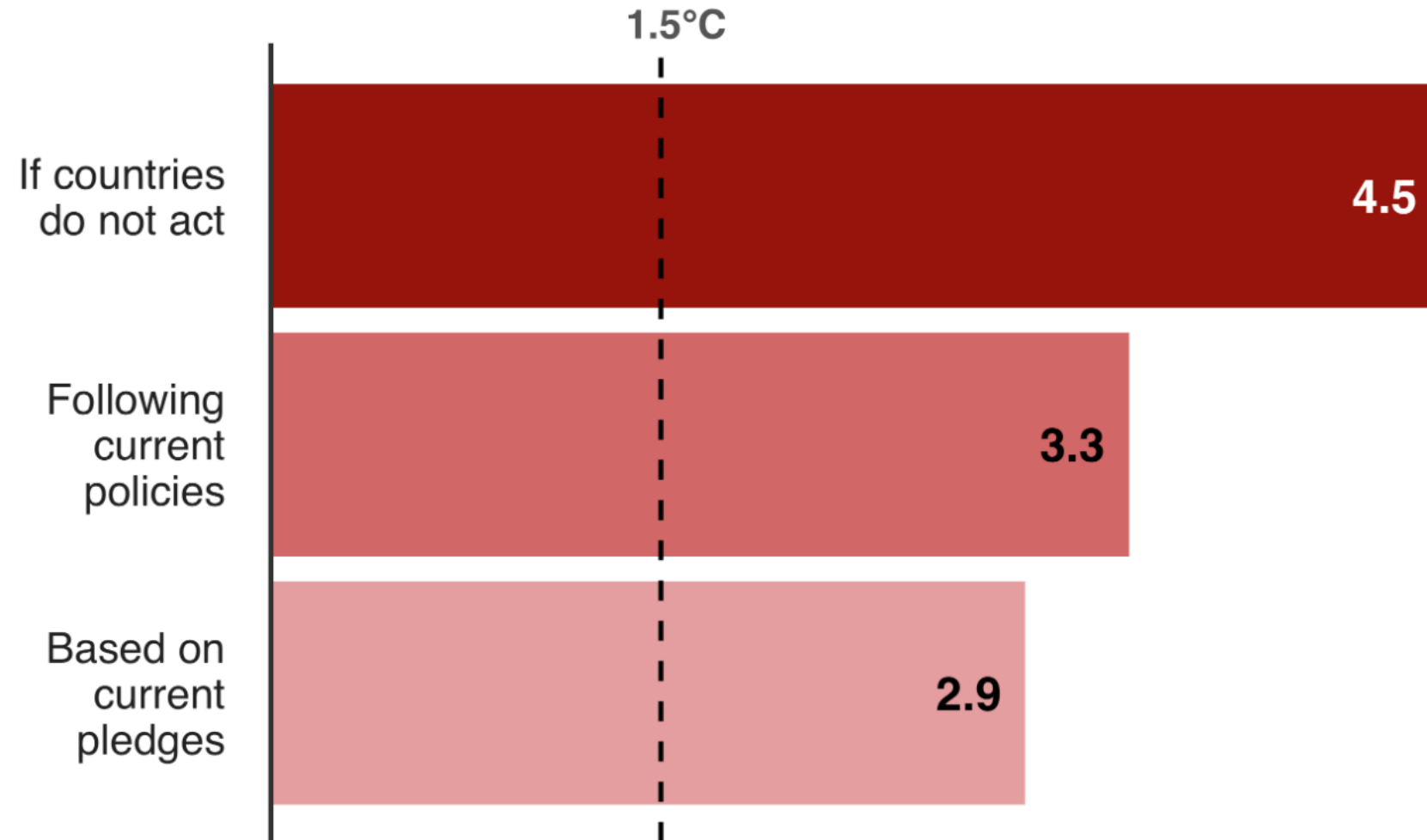
100 fyrirtæki ábyrg fyrir 71% af losun CO2

THE CO2 CULPRITS TOP 100

Companies with biggest increase in their CO2 emissions (million tonnes) over the past five years using latest available data. Source: MSCI.

RANK	COUNTRY	FLAG	COMPANY NAME	INCREASED EMISSIONS (MILLION TONNES)
1	IN		VEDANTA LIMITED	51,8
2	CH		LafargeHolcim Ltd	50,2
3	IN		ADANI POWER LIMITED	42,4
4	AU		AGL ENERGY LIMITED	42,2
5	KR		KOREA ELECTRIC POWER CORPORATION	35,9
6	IN		RELIANCE POWER LIMITED	34,9
7	RU		NK ROSNEFT PAO	33,8
8	IN		NTPC LIMITED	30,6
9	HK		CITIC Limited	28,2
10	HK		CHINA RESOURCES POWER HOLDINGS COMPANY LIMITED	27,2
11	IN		THE TATA POWER COMPANY LIMITED	25,7
12	CN		Huadian Power International Corporation Limited	23,9
13	CH		GLENCORE PLC	23,6
14	IN		RELIANCE INFRASTRUCTURE LIMITED	20,1
15	CN		GD POWER DEVELOPMENT CO., LTD.	16,9
16	IE		CRH PUBLIC LIMITED COMPANY	15,6
17	AU		ORIGIN ENERGY LIMITED	15,4
18	US		AMERICAN AIRLINES GROUP INC.	14,9
19	DE		HeidelbergCement AG	14,6
20	IN		JSW STEEL LIMITED	14,4
21	SG		SIA ENGINEERING COMPANY LIMITED	14,1
22	CA		EMERA INCORPORATED	13,8
23	JP		JXTG Holdings, Inc.	12,2
24	IN		HINDALCO INDUSTRIES LIMITED	10,8
25	US		THE WILLIAMS COMPANIES, INC.	10,7
26	SG		SEMBCORP INDUSTRIES LTD	10,6
27	MY		TENAGA NASIONAL BERHAD	10,5
28	BR		PETROLEO BRASILEIRO S.A. - PETROBRAS	10,3
29	CL		AES Gener S.A.	10,2
30	LU		ArcelorMittal S.A.	10,1
31	CN		China Southern Airlines Company Limited	9,8
32	TH		The Electricity Generating Public Company Limited	9,0
33	CN		SDIC Power Holdings Co., Ltd.	7,9
34	BR		JBS S.A.	7,9
35	US		PILGRIM'S PRIDE CORPORATION	7,9
36	US		ENBRIDGE ENERGY MANAGEMENT, L.L.C.	7,6
37	CN		China Gezhouba Group Company Limited	7,4
38	RU		INTER RAO YEE'S PAO	7,4
39	US		MARATHON PETROLEUM CORPORATION	6,9
40	KR		POSCO	6,8
41	CN		China Eastern Airlines Corporation Limited	6,2
42	US		NRG ENERGY, INC.	6,1
43	IN		SHREE CEMENT LIMITED	6,1
44	ID		PT Semen Indonesia (Persero) Tbk	6,0
45	US		AIR PRODUCTS AND CHEMICALS, INC.	6,0
46	JP		Mitsubishi Corporation	5,7
47	GB		International Consolidated Airlines Group, S.A.	5,7
48	IN		GRASIM INDUSTRIES LTD	5,6
49	US		ANADARKO PETROLEUM CORPORATION	5,6
50	HK		China Power International Development Limited	5,6
51	CL		LATAM Airlines Group S.A.	5,6
52	CO		Grupo Argos S.A.	5,5
53	CN		ANHUI CONCH CEMENT COMPANY LIMITED	5,5
54	BR		EDP - ENERGIAS DO BRASIL S.A.	5,4
55	TH		PTT Public Company Limited	5,4
56	GB		LINDE PUBLIC LIMITED COMPANY	5,2
57	CA		TransCanada Corporation	5,1
58	KR		SAMSUNG ELECTRONICS CO., LTD	5,1
59	MX		Grupo Mexico, S.A.B. de C.V.	4,9
60	RU		NOVATEK PAO	4,8
61	FR		L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXP	4,7
62	KR		HYUNDAI STEEL COMPANY	4,5
63	US		T-MOBILE US, INC.	4,4
64	NL		SBM Offshore N.V.	4,4
65	FR		VICAT S.A.	4,4
66	US		WRKCO INC.	4,4
67	CN		China Mobile Limited	4,3
68	US		MARRIOTT INTERNATIONAL, INC.	4,3
69	HK		CHINA EVERBRIGHT INTERNATIONAL LIMITED	4,3
70	CL		Enel Americas S.A.	4,1
71	PL		POLSKIE GORNICTWO NAFTOWE I GAZOWNICTWO SPOLK	4,1
72	US		WORLD FUEL SERVICES CORPORATION	4,0
73	CN		China Railway Group Limited	4,0
74	CA		CANADIAN NATURAL RESOURCES LIMITED	3,9
75	GB		AGGREKO PLC	3,9
76	CN		Jiangxi Copper Company Limited	3,8
77	TR		TURK HAVA YOLLARI ANONIM ORTAKLUGI	3,8
78	PH		DMCI HOLDINGS INC.	3,6
79	CA		Fortis Inc.	3,5
80	US		NORWEGIAN CRUISE LINE HOLDINGS LTD.	3,5
81	CN		Air China Limited	3,5
82	TW		Taiwan Semiconductor Manufacturing Co., Ltd.	3,4
83	US		DELTA AIR LINES, INC.	3,4
84	HK		CK HUTCHISON HOLDINGS LIMITED	3,3
85	GR		TITAN CEMENT COMPANY S.A.	3,2
86	IN		JSW ENERGY LIMITED	3,2
87	CA		TransAlta Corporation	3,2
88	IN		COAL INDIA LTD	3,1
89	PH		FIRST GEN CORPORATION	3,1
90	JP		SUMITOMO CHEMICAL COMPANY, LIMITED	3,1
91	DK		DSV A/S	3,0
92	HK		CK INFRASTRUCTURE HOLDINGS LIMITED	3,0
93	CN		Shanxi Xishan Coal and Electricity Power Co., Ltd.	3,0
94	TH		Glow Energy Public Company Limited	3,0
95	CN		CNOOC LIMITED	2,9
96	US		STERICYCLE, INC.	2,7
97	BR		Centrais Eletricas Brasileiras S.A.	2,7
98	CA		Cenovus Energy Inc.	2,7
99	JP		ANA HOLDINGS INC.	2,7
100	CA		Waste Connections, Inc.	2,6

Average warming (°C) projected by 2100



Climate Action Tracker, updated December 2018

BBC

Image: BBC

„Personality politics at the table is a huge variable.“

Robert Correll, Principal for the Global Environment Technology Foundation

„Ekki festast í hvaðan við komum og hvað við höfum gert. Þurfum að gjörbylta hvernig við hugsum, neytum, hagfræðumst og nálgumst náttúruna.“



Samkeppnishæfni skv. IMD:

„Hvernig ríki stuðla að umhverfi þar sem fyrirtæki geta á sjálfbæran hátt skapað verðmæti“



Að svara kalli tímans

Ísland, staðFESTA, fyrirtæki og lyklavöld

