

Europe Passenger Cars Sales by Fuel (4Q2020)

Sales of New Electric Cars in Europe rose 229% in 4Q2020

Sales of new electrically-chargeable passenger cars reached 584 thousand in the fourth quarter of 2020 in Europe, according to ACEA. Share of electric chargeable vehicles increased to 19.6% of all new passenger cars sold in 4Q2020, up from 5.35% seen in the fourth quarter of 2019.

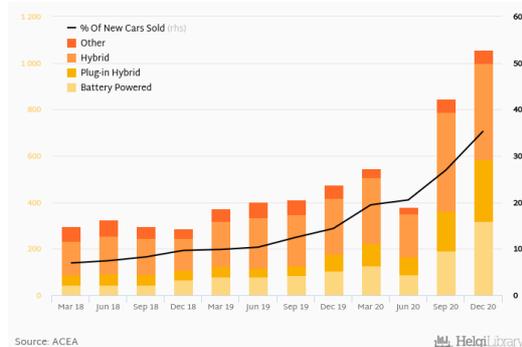
- ✓ Most electric vehicles (190 thousand) were sold in Germany (up 455% yoy), followed by France (74.8 thousand, up 291%), the United Kingdom with 66.2 thousand cars (up 168%), 49.9 thousand new vehicles were registered in Netherlands (up 51.8%) and 38.2 thousand in Norway (up 111%).
- ✓ In relative terms, Norway liked the electric chargeable vehicles the most with 82.9% of all new passenger cars sold followed by Iceland (58.5%) and Netherlands (46.3%).
- ✓ Altogether, sale of alternative powered vehicles, including chargeable, hybrid and other alternative fuels vehicles (fuelled by NGV, LPG, or ethanol), accounted for 35.3% of new cars sold in the fourth quarter of 2020.
- ✓ Sales of traditionally-powered vehicles using petrol and diesel reached 721 thousand in the fourth quarter of 2020. The share of petrol reached 40.5% and share of diesel-powered vehicles 24.1% of all new passenger cars sold in 4Q2020.

Country	Dec 2020	Yoy Change
Germany	190	455%
France	74.8	291%
UK	66.2	168%
Netherlands	49.9	51.8%
Norway	38.2	111%
Sweden	37.5	198%
Italy	29.9	454%
Spain	20.1	299%
Belgium	19.9	271%
Switzerland	14.7	137%
Denmark	14.1	416%
Austria	10.2	273%
Portugal	7.55	90.0%
Finland	5.20	90.5%
Poland	3.54	364%
Hungary	2.53	182%
Czechia	2.33	503%
Luxembourg	2.17	277%
Romania	1.44	184%
Greece	1.25	805%

Data tells a story

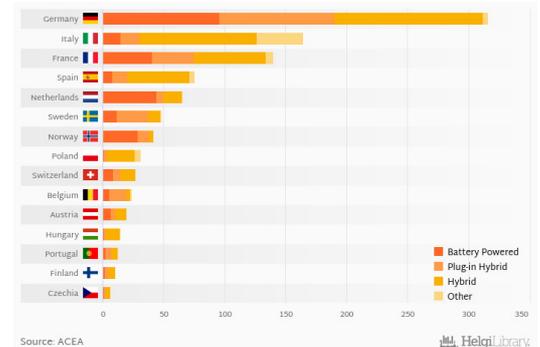
Sales of Alternately Powered Vehicles

Number of Vehicles (thousand), 4Q2020, Europe



Sales of Alternately Powered Vehicles

Number of Vehicles (thousand), 4Q2020, Europe





Sales of New Electric Cars in Europe rose 229% in 4Q2020

Sales of electrically-chargeable vehicles amounted to 584 thousand in 4Q2020, 406 thousand more than the last year.

Electric cars represented 19.6% of all new cars sold in 4Q2020, up from 5.35% a year ago.

Most electric vehicles have been sold in Germany (190 thousand), while Slovenia registered the biggest increase in sales when compared to last year.

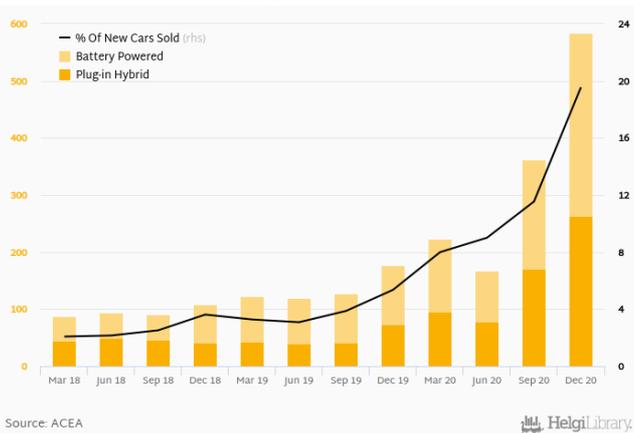
Electric Chargeable Cars

Sales of new electrically-chargeable passenger cars (battery electric and plug-in hybrid electric vehicles) reached 584 thousand in the fourth quarter of 2020 in the enlarged Europe (EU plus Iceland, Norway and Switzerland), according to ACEA. This is 229% more, or 178 thousand more than in the previous year.

Share of electric chargeable vehicles increased to 19.6% of all new passenger cars sold in 4Q2020, up from 5.35% seen in the fourth quarter of 2019. Most electric vehicles (190 thousand) were sold in Germany (up 455% yoy), followed by France (74.8 thousand, up 291%), the United Kingdom with 66.2 thousand cars (up 168%), 49.9 thousand new vehicles were registered in Netherlands (up 51.8%) and 38.2 thousand in Norway (up 111%). The five largest countries accounted for 71.9% of total new vehicles registered in the fourth quarter of 2020:

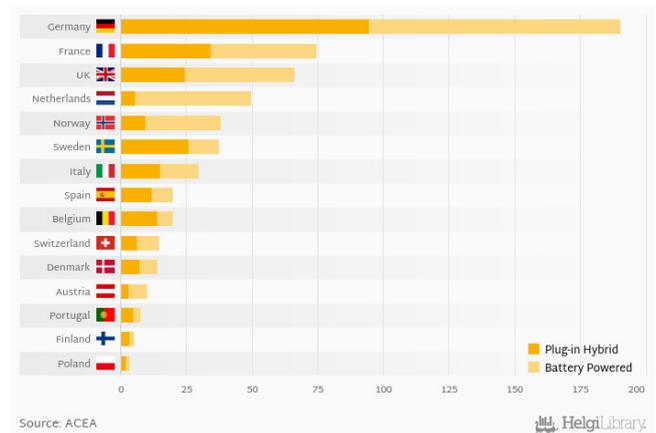
Sale of Electric Chargeable Vehicles in Europe

Number of Vehicles (thousand), 4Q2020



Sales of Electric Chargeable Vehicles in Europe by Country

Number of Vehicles (thousand), 4Q2020



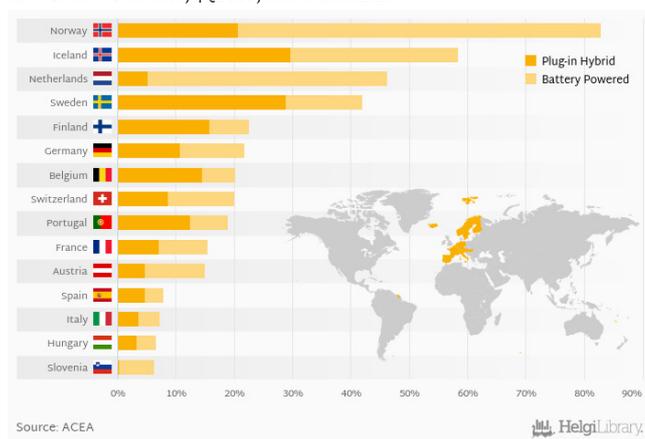
As partly seen above, the sale of battery-electric (BEV) increased by 205% when compared to last year, while registration of plug-in hybrid vehicles (PHEV) rose by 262%.



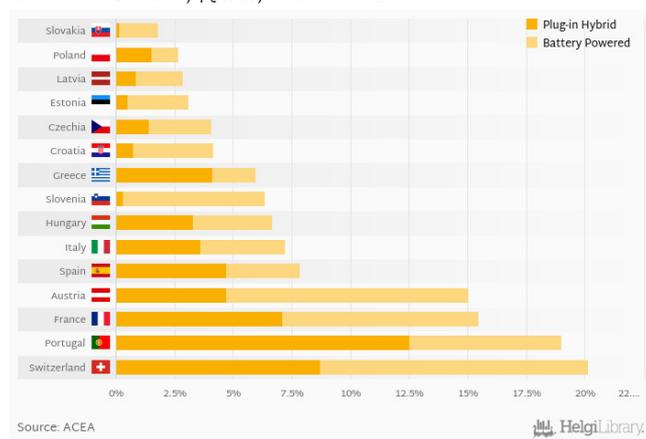
In relative terms, Norway liked the electric chargeable vehicles the most in the fourth quarter of 2020 with 82.9% of all new passenger cars sold followed by Iceland (58.5%) and Netherlands (46.3%).

On the other end of the scale was Latvia with only 2.85%, Poland with 2.66% and Slovakia with just 1.82% of electric cars sold, as % of total:

Sales of Electric Chargeable Vehicles in Europe by Country
As % Of New Cars Sold, 4Q2020, Best Performers



Sales of Electric Chargeable Vehicles in Europe by Country
As % Of New Cars Sold, 4Q2020, Worst Performers



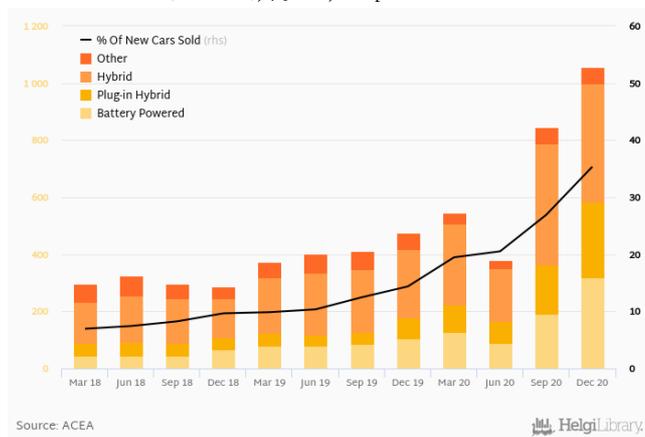
Hybrid Electric and Other Alternately-Powered Cars

When hybrid electric vehicles (cars that combine a conventional internal combustion engine system with an electric propulsion system) and other alternately-powered cars (such as natural gas vehicles (NGV), LPG-fueled vehicles and ethanol (E85) vehicles) are included, total sales of alternately-powered cars (other than using diesel or petrol) amounted to 1,056 thousand vehicles in the fourth quarter of 2020. This is 121% more, or 579 thousand more than in the previous year.

Together with electric chargeable vehicles, the share of total alternately-powered vehicles increased to 35.3% of all new passenger cars sold in 4Q2020, up from 14.4% seen in the fourth quarter of 2019:

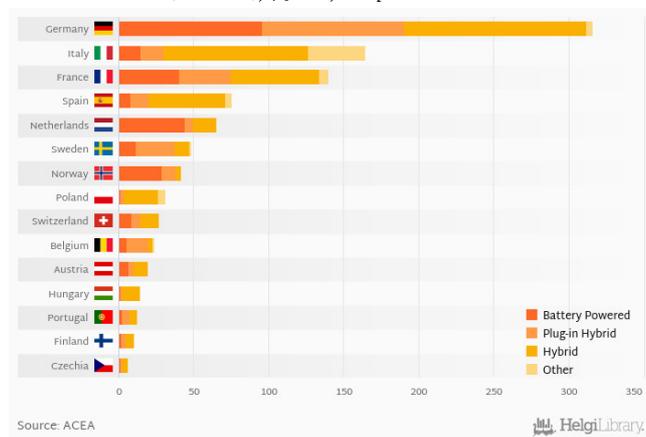
Sales of Alternatively Powered Vehicles

Number of Vehicles (thousand), 4Q2020, Europe



Sales of Alternatively Powered Vehicles

Number of Vehicles (thousand), 4Q2020, Europe

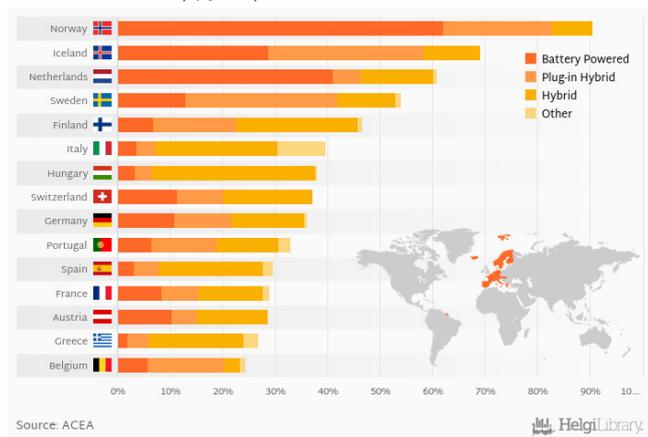




In relative terms, Norway liked the alternatively-powered vehicles the most in the fourth quarter of 2020 with 90.6% of all new passenger cars sold followed by Iceland (69.2%) and Netherlands (60.9%). On the other hand, alternatively-fuelled cars represented only 17.3% of all cars sold in Croatia, 11.9% in the Czech Republic and 11.0% in Slovenia, according to ACEA.

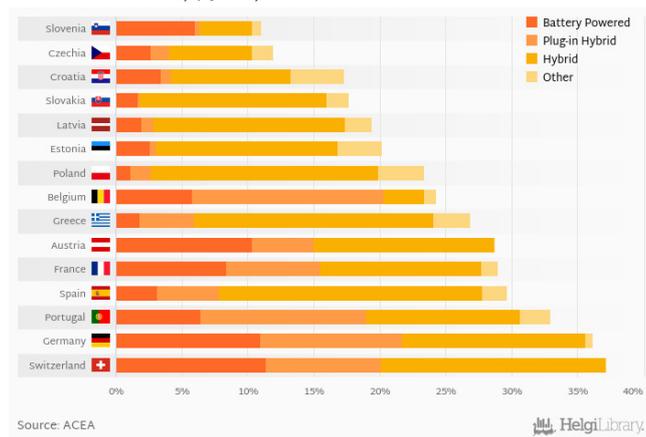
Sales of Alternatively-powered Vehicles in Europe by Country

As % of New Cars Sold, 4Q2020, Best Performers



Sales of Alternatively-powered Vehicles in Europe by Country

As % of New Cars Sold, 4Q2020, Worst Performers



Petrol and Diesel-Powered Cars

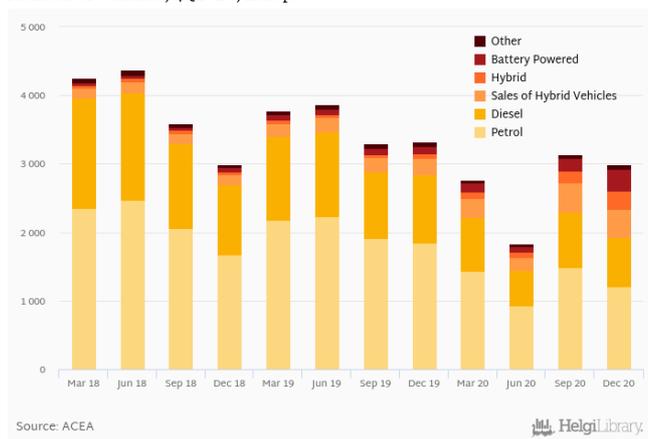
Sales of traditionally-powered vehicles using petrol and diesel reached 1,931 thousand in the fourth quarter of 2020 in the enlarged Europe, according to ACEA. This is 32.1%, or 911 thousand fewer than in the previous year.

Some 1,210 thousand petrol-powered vehicles were sold, down 34.6% when compared to a year ago. The share decreased to 40.5% of all new passenger cars sold in 4Q2020, down from 55.7% seen in the fourth quarter of 2019. Share of diesel-powered cars fell to 24.1% (from 29.9% in 4Q2019) with 721 thousand cars sold in the fourth quarter of 2020.

As a result, share of traditionally-powered cars amounted to 64.7% of all new passenger cars sold in 4Q2020, down from 85.6% seen in the fourth quarter of 2019.

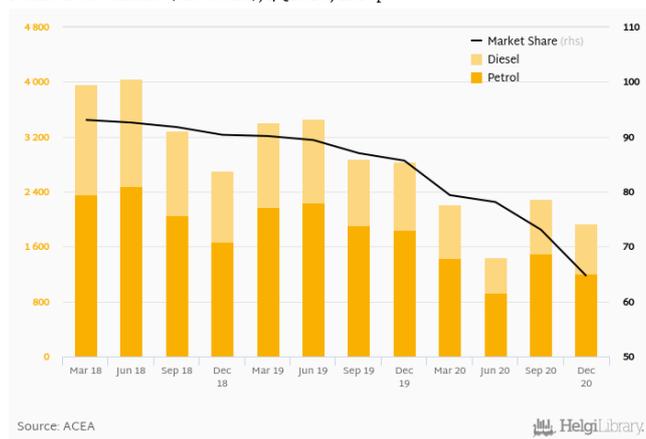
Sales of Vehicles in the EU by Power

Number of Vehicles, 4Q2020, Europe



Sales of Traditionally-Powered Vehicles in the EU

Number of Vehicles (thousand), 4Q2020, Europe

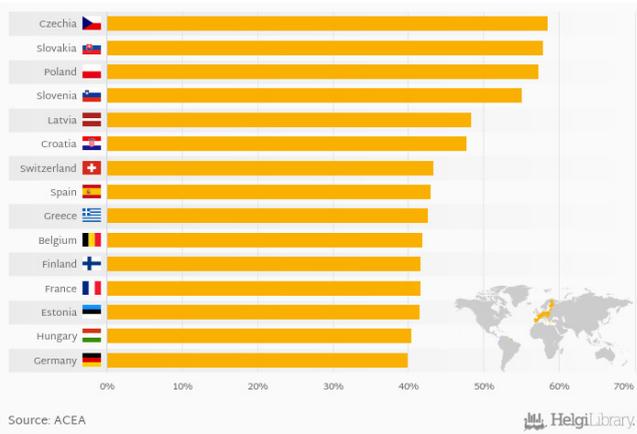




In relative terms, the Czech Republic liked the petrol-fuelled vehicles the most in the fourth quarter of 2020 with 58.6% of all new passenger cars sold followed by Slovakia (57.9%) and Poland (57.3%). On the other hand, diesel-powered cars were preferred most in Estonia (38.2% of all cars sold), followed by Croatia (with 34.9%) and Slovenia (33.8%).

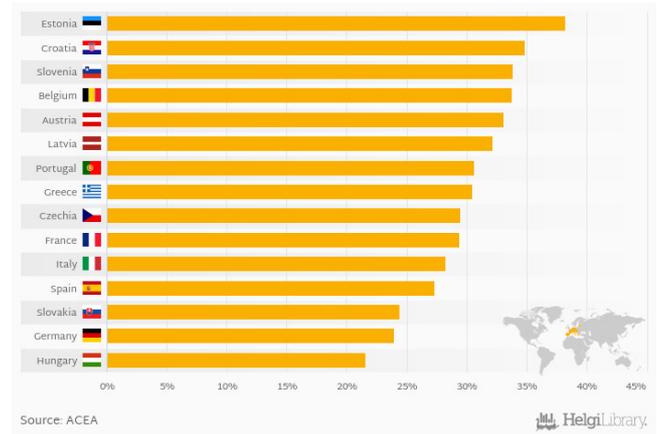
Sales of Petrol-fuelled Vehicles in Europe by Country

As % of New Cars Sold, 4Q2020



Sales of Diesel-fuelled Vehicles in Europe by Country

As % of New Cars Sold, 4Q2020





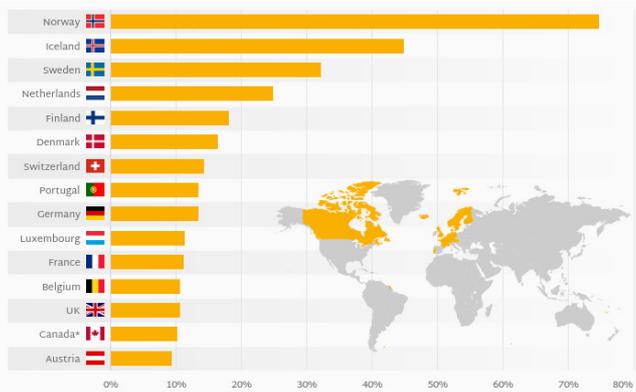
Relative and Absolute Sales of Cars by Power

The following charts show where the most cars are sold absolutely and relatively in Europe and elsewhere in the world:

1. Electric Passenger Cars

Which Country Loves Electric Cars the Most?

Electric vehicles (%), 2020

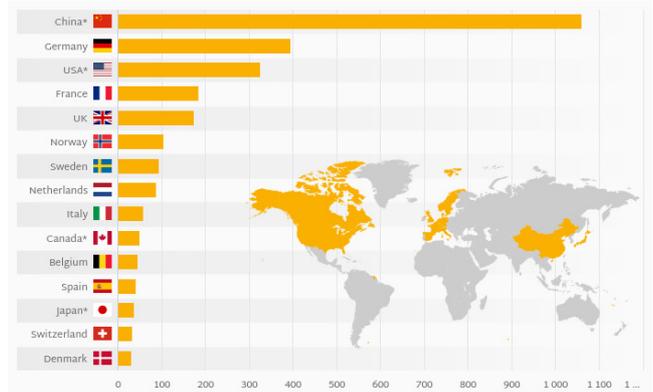


Source: National Statistical Office, * Data from 2019

HelgiLibrary

Which Country Sells the Most Electric Cars?

Sales Of Electric Cars (thousand), 2020



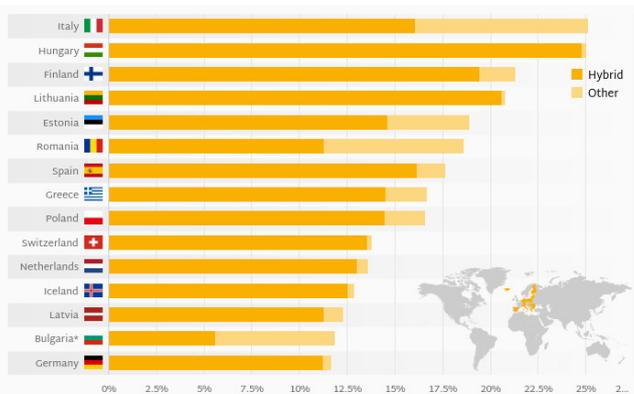
Source: National Statistical Office, * Data from 2019

HelgiLibrary

2. Alternative Fuelled Passenger Cars (LPG, CNG)

Which Country Loves Alternative Cars the Most?

As % of New Passenger Cars Sold, 2020

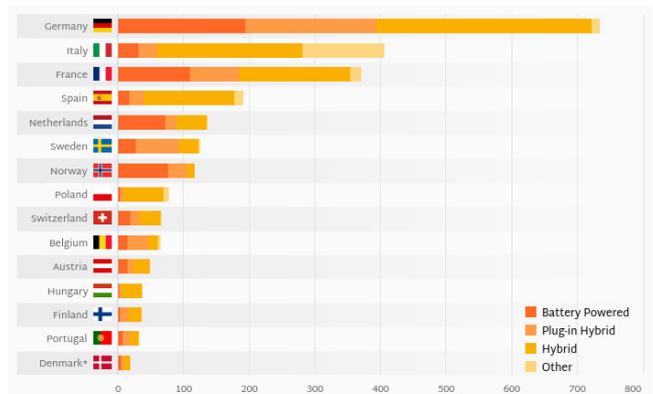


Source: ACEA, * Data from 2019

HelgiLibrary

Sales of Alternately Powered Vehicles

Number of Vehicles (thousand), 2020



Source: ACEA, * Data from 2019

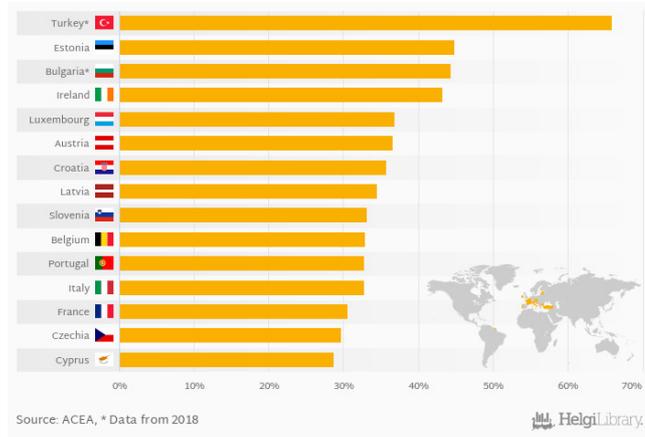
HelgiLibrary



3. Diesel Fuelled Passenger Cars

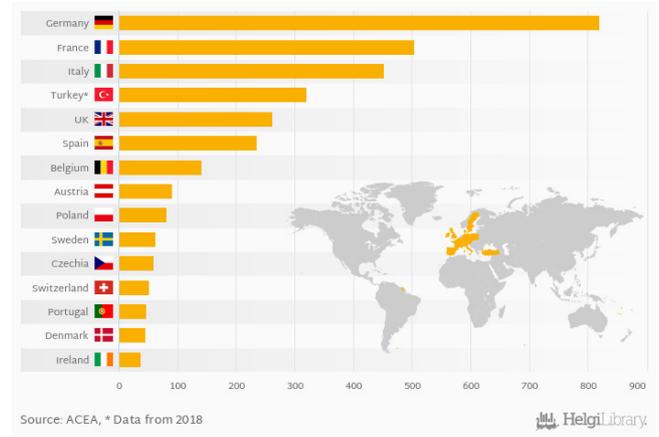
Who Likes Diesel-fuelled Cars the Most?

Diesel-Fuelled Cars as % of New Cars Sold (%), 2020



Which Country Sells the Most Diesel-Fuelled Cars?

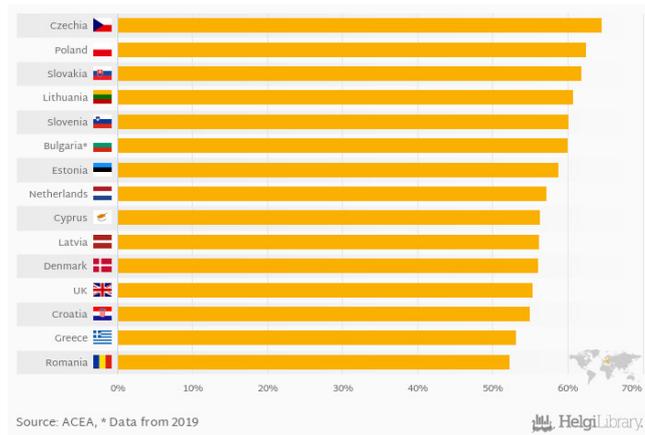
Sales of Diesel-Fuelled Cars (thousand), 2020



4. Petrol Fuelled Passenger Cars

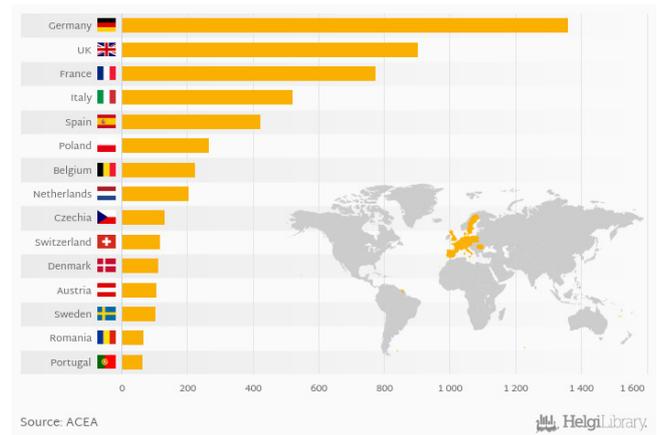
Who Likes Petrol-Fuelled Cars the Most?

Petrol-Fuelled Cars as % of New Cars Sold (%), 2020



Which Country Sells the Most Petrol-Fuelled Cars?

Sales of Petrol-Fuelled Cars (thousand), 2020





Sales of Electric Chargeable Passenger Cars in Europe (thousands of vehicles)

COUNTRY	1Q2019	2Q2019	3Q2019	4Q2019	1Q2020	2Q2020	3Q2020	4Q2020
Austria	3.03	2.78	2.85	2.75	3.62	3.76	5.99	10.2
Belgium	4.20	4.12	4.06	5.35	7.69	6.36	12.4	19.9
Bulgaria	0.112	0.055	0.053	0.017	...	...	...	...
Croatia	...	...	...	0.084	...	...	...	0.330
Cyprus	0.005	0.007	0.006	0.005	0.004	0.007	0.011	0.020
Czechia	0.197	0.292	0.353	0.387	1.32	0.681	0.908	2.33
Denmark	2.23	2.12	2.34	2.72	4.16	4.11	10.2	14.1
Estonia	0.021	0.033	0.028	0.015	0.065	0.070	0.118	0.172
Finland	1.81	1.59	1.74	2.73	4.56	2.73	4.93	5.20
France	14.5	14.4	13.4	19.1	35.4	29.8	45.7	74.8
Germany	23.3	24.4	26.9	34.3	52.4	41.5	111	190
Greece	0.097	0.143	0.102	0.138	0.159	0.208	0.515	1.25
Hungary	0.613	0.633	0.797	0.896	1.00	0.903	1.60	2.53
Iceland	0.515	0.587	0.555	0.481	1.17	0.651	1.16	1.23
Ireland	2.05	0.736	1.43	0.569	2.69	0.373	2.90	0.553
Italy	2.27	5.28	4.22	5.41	8.35	7.39	14.2	29.9
Latvia	0.025	0.025	0.017	0.031	0.066	0.074	0.147	0.104
Lithuania	0.044	0.031	0.046	0.042	0.087	0.074	0.167	0.125
Luxembourg	...	...	...	0.575	0.790	0.712	1.49	2.17
Netherlands	10.3	9.75	13.7	32.9	12.0	8.14	19.1	49.9
Norway	23.4	20.6	17.6	18.1	22.6	18.0	27.0	38.2
Poland	0.634	0.754	0.547	0.763	1.28	1.22	2.06	3.54
Portugal	3.05	2.94	2.72	3.97	4.78	2.64	4.73	7.55
Romania	0.213	0.243	0.543	0.507	0.271	0.328	0.807	1.44
Slovakia	0.106	0.083	0.077	0.101	0.324	0.310	0.474	0.376
Slovenia	0.197	0.159	0.038	0.050	0.387	0.323	0.402	0.664
Spain	4.48	4.47	3.49	5.03	7.25	3.49	10.4	20.1
Sweden	9.84	9.38	8.61	12.6	18.5	14.1	24.0	37.5
Switzerland	3.80	3.67	3.75	6.23	5.42	4.70	9.11	14.7
UK	14.6	12.5	21.0	24.7	31.9	18.5	58.4	66.2
EU	124	119	128	178	223	167	363	584

Source: ACEA, Helgi Library



Sales of Hybrid Passenger Cars in Europe (thousands of vehicles)

COUNTRY	1Q2019	2Q2019	3Q2019	4Q2019	1Q2020	2Q2020	3Q2020	4Q2020
Austria	2.26	3.73	3.81	4.55	4.41	5.11	7.21	9.29
Belgium	5.41	4.35	4.09	3.39	6.00	2.93	3.88	3.03
Bulgaria	0.372	0.520	0.478	0.605	...	...	...	...
Croatia	...	...	...	0.351	...	...	...	0.721
Cyprus	0.197	0.325	0.283	0.247	0.178	0.046	0.031	0.013
Czechia	1.36	2.22	1.92	2.37	2.11	2.01	3.02	3.56
Denmark	3.06	2.21	2.04	2.55	2.32	1.69	2.60	3.05
Estonia	0.521	0.783	0.672	0.717	0.795	0.488	0.692	0.763
Finland	3.79	4.25	4.29	3.24	5.09	3.13	5.19	5.32
France	23.0	27.0	25.5	31.4	30.1	30.4	49.3	59.1
Germany	40.7	45.8	50.4	57.0	63.1	46.5	96.4	121
Greece	1.16	1.68	1.90	1.87	2.59	2.12	3.25	3.79
Hungary	1.71	2.11	2.35	3.00	5.68	5.18	9.14	11.8
Iceland	0.164	0.367	0.283	0.231	0.298	0.249	0.404	0.223
Ireland	4.93	1.86	3.18	0.215	6.34	0.276	4.07	0.308
Italy	27.3	28.3	22.8	31.5	34.7	27.6	62.8	96.7
Latvia	0.279	0.482	0.384	0.334	0.396	...	0.396	0.531
Lithuania	0.528	0.926	0.772	1.11	1.08	0.825	4.20	2.18
Luxembourg	...	...	...	0.594	0.853	0.698	1.10	1.37
Netherlands	6.36	7.95	7.36	7.17	11.5	6.86	13.3	14.9
Norway	3.66	5.60	4.30	3.99	3.22	2.57	2.89	3.55
Poland	6.79	10.7	10.8	13.5	13.5	9.11	16.1	22.9
Portugal	1.93	2.74	2.05	2.70	2.83	1.50	2.94	4.64
Romania	1.45	1.46	2.41	2.15	2.25	2.27	4.08	5.67
Slovakia	0.587	1.04	1.07	1.61	1.33	1.26	2.00	2.94
Slovenia	0.427	0.774	0.606	0.585	0.461	0.312	0.415	0.416
Spain	22.4	27.9	25.4	33.0	29.4	16.7	40.3	51.0
Sweden	4.15	6.96	6.65	7.45	5.44	4.89	8.74	9.88
Switzerland	3.46	5.26	5.44	7.85	6.05	5.75	7.89	12.5
UK	40.7	39.5	51.0	42.8	68.2	23.3	114	13.9
EU	194	215	220	242	283	182	426	414

Source: ACEA, Helgi Library



Sales of Alternatively-Powered Passenger Cars Other Than Electric in Europe (thousands of vehicles)

COUNTRY	1Q2019	2Q2019	3Q2019	4Q2019	1Q2020	2Q2020	3Q2020	4Q2020
Austria	0.061	0.185	0.139	0.195	0.102	0.122	0.111	0.072
Belgium	0.601	1.45	0.888	0.680	0.821	0.852	1.27	0.923
Bulgaria	0.174	0.803	0.823	0.419	...	...	...	...
Croatia	...	...	...	0.048	...	...	...	0.324
Czechia	0.363	0.725	0.674	0.435	0.476	0.446	0.735	0.916
Denmark	0.001	...	...	0.005	...	...	...	...
Estonia	0.012	0.216	0.307	0.173	0.276	0.149	0.198	0.185
Finland	0.072	0.555	0.737	0.778	0.735	0.400	0.487	0.218
France	1.01	0.796	2.89	4.01	0.584	3.54	6.89	5.95
Germany	3.41	4.65	4.13	2.69	2.31	2.15	4.57	4.68
Greece	0.314	0.623	0.800	0.596	0.376	0.272	0.542	0.590
Hungary	0.006	0.007	...	...	0.002	0.013	0.168	0.128
Iceland	0.003	0.021	0.017	0.013	0.015	0.006	0.013	0.001
Italy	41.5	47.1	43.6	41.9	29.4	21.4	36.3	38.0
Latvia	0.035	0.042	0.010	0.020	0.020	0.020	0.027	0.073
Lithuania	...	...	0.002	...	...	...	0.022	0.051
Luxembourg	...	...	...	0.001	0.003	...	...	...
Netherlands	0.243	0.301	0.104	0.167	0.114	0.344	0.783	0.854
Norway	0.007	0.003	0.003	0.003	0.001	0.001	0.002	0.001
Poland	2.06	2.85	2.90	0.344	0.602	1.18	2.69	4.70
Portugal	0.563	0.731	0.646	0.212	0.106	0.349	0.475	0.915
Romania	0.304	0.295	0.742	0.074	0.093	1.07	2.87	5.25
Slovakia	0.156	0.088	0.065	0.083	0.112	0.218	0.275	0.339
Slovenia	0.030	0.039	0.029	0.017	0.005	0.046	0.058	0.076
Spain	5.65	8.09	7.51	3.94	2.34	1.56	4.44	4.75
Sweden	0.424	1.32	2.33	2.04	1.10	0.542	0.998	0.864
Switzerland	0.091	0.424	0.378	0.360	0.259	0.115	0.111	0.081
EU	53.9	66.3	64.2	57.6	38.2	31.6	57.0	57.9

Source: ACEA, Helgi Library



Sales of Diesel-fuelled Passenger Cars in Europe (thousands of vehicles)

COUNTRY	1Q2019	2Q2019	3Q2019	4Q2019	1Q2020	2Q2020	3Q2020	4Q2020
Austria	31.5	36.2	23.9	27.9	21.3	21.6	18.3	22.5
Belgium	46.1	49.6	41.1	35.8	40.5	29.0	39.4	33.1
Bulgaria	3.94	3.99	4.03	3.75	...	...	...	...
Croatia	...	...	...	4.19	...	...	...	2.77
Cyprus	0.992	1.25	1.11	0.911	0.901	0.610	0.761	0.619
Czechia	16.7	18.2	16.7	17.6	14.7	12.1	16.6	16.9
Denmark	17.3	14.8	13.5	14.5	13.0	9.13	10.4	12.6
Estonia	3.21	3.25	2.70	2.16	2.51	1.55	2.23	2.12
Finland	6.56	5.75	4.53	4.04	3.95	2.95	3.21	2.68
France	191	209	160	196	121	102	139	142
Germany	291	318	277	267	224	159	227	210
Greece	7.83	8.66	8.21	5.65	5.79	4.31	5.78	6.37
Hungary	7.45	8.44	6.67	8.50	6.95	4.83	7.67	8.17
Iceland	0.877	1.46	0.685	0.490	0.452	0.364	0.687	0.300
Ireland	30.8	7.52	14.7	1.48	21.9	1.49	13.0	1.86
Italy	236	225	143	159	118	84.4	132	117
Latvia	1.80	1.78	1.59	1.60	1.48	0.891	1.24	1.18
Lithuania	2.10	2.04	2.24	1.91	1.49	0.946	1.77	2.75
Luxembourg	...	...	...	4.85	4.60	3.34	4.80	3.89
Netherlands	10.6	8.63	7.31	6.18	5.47	2.65	3.18	1.71
Norway	5.35	6.39	5.40	5.69	3.49	3.21	3.09	2.37
Poland	29.6	27.2	25.5	28.4	19.7	13.2	22.3	25.7
Portugal	24.4	26.5	18.5	20.1	15.7	6.33	13.6	12.2
Romania	10.9	9.79	12.1	10.5	8.30	6.19	8.39	11.0
Slovakia	6.44	6.73	5.89	6.44	4.99	3.55	5.49	5.06
Slovenia	6.24	6.60	4.65	4.82	5.48	4.51	4.97	3.54
Spain	90.1	102	73.7	85.0	59.7	36.2	70.0	70.0
Sweden	27.0	33.4	23.8	34.7	16.4	15.6	15.4	15.3
Switzerland	20.3	22.5	16.8	19.8	13.6	10.3	13.7	14.2
UK	188	152	139	104	91.4	27.5	90.1	52.7
EU	1,225	1,226	970	992	781	520	802	721

Source: ACEA, Helgi Library



Sales of Petrol-fuelled Passenger Cars in Europe (thousands of vehicles)

COUNTRY	1Q2019	2Q2019	3Q2019	4Q2019	1Q2020	2Q2020	3Q2020	4Q2020
Austria	44.0	52.1	44.8	35.7	25.2	27.5	29.0	26.0
Belgium	99.5	95.1	78.6	65.6	72.4	50.1	60.1	41.0
Bulgaria	5.23	6.02	4.73	5.25	...	...	...	...
Croatia	...	...	...	7.04	...	...	...	3.79
Cyprus	1.57	2.19	1.53	1.52	1.62	1.04	1.59	1.43
Czechia	41.7	48.7	43.8	39.7	33.0	30.6	34.0	33.5
Denmark	43.7	36.9	33.6	32.2	29.3	25.0	30.6	26.3
Estonia	4.43	5.55	4.57	4.03	3.46	2.11	3.16	2.31
Finland	16.9	19.0	16.4	15.5	13.9	9.85	12.2	9.60
France	324	362	274	322	178	185	210	201
Germany	522	576	533	506	359	260	393	350
Greece	16.9	28.2	16.2	13.1	12.5	8.27	13.4	8.93
Hungary	24.6	29.0	30.7	30.4	19.0	12.1	15.8	15.3
Iceland	1.16	2.14	1.00	0.675	0.543	0.442	0.807	0.348
Ireland	26.3	6.51	13.8	0.898	19.1	0.953	11.7	1.09
Italy	231	239	172	211	156	95.9	137	133
Latvia	2.60	3.05	2.47	2.47	2.29	1.71	2.03	1.77
Lithuania	7.53	10.3	8.10	8.60	8.07	4.24	5.28	6.87
Luxembourg	...	...	...	5.93	5.67	4.13	5.86	3.94
Netherlands	87.9	83.7	76.5	68.1	74.1	37.1	54.0	40.5
Norway	6.06	7.17	5.14	3.99	3.08	3.09	3.18	1.96
Poland	101	96.9	92.7	102	72.5	47.4	72.1	76.3
Portugal	29.5	36.3	21.5	22.8	21.9	8.75	19.1	14.5
Romania	22.9	24.0	36.6	24.3	17.1	11.8	18.8	18.4
Slovakia	16.6	20.2	17.2	16.9	12.2	9.71	13.4	12.0
Slovenia	13.4	13.4	11.0	10.3	9.87	8.31	9.39	5.77
Spain	194	233	163	166	120	63.2	130	110
Sweden	32.5	43.0	38.5	51.5	24.7	24.4	27.8	25.9
Switzerland	44.4	53.2	42.8	51.0	30.1	26.9	29.6	31.8
UK	458	365	382	278	292	101	327	184
EU	2,178	2,239	1,912	1,850	1,438	931	1,495	1,210

Source: ACEA, Helgi Library



ABOUT HELGI ANALYTICS

Helgi Analytics is a consulting company based in the Czech Republic. The company mainly provides consultancy in the area of financial services and real estate and focuses primarily on the region of Central and Eastern Europe.

Helgi Analytics also runs a web application called Helgi Library, which is a database/library offering data and analyses on more than 99% of the world's economy and population. The Library aims to bring interesting statistical data and analyses to a wide audience under affordable conditions. If you wish to get more details, please visit www.helgilibrary.com or contact us at info@helgilibrary.com.

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