

Europe Passenger Cars Sales by Fuel (4Q2021)

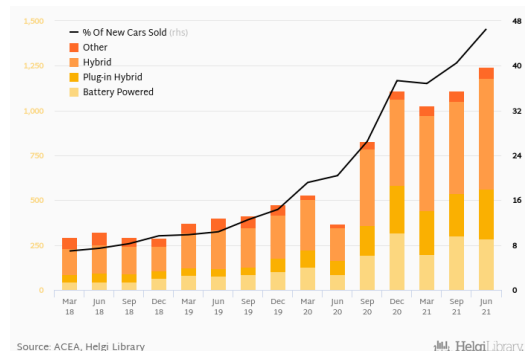
Sales of New Electric Cars in Europe rose 14.0% in 4Q2021

Sales of new electrically-chargeable passenger cars reached 666 thousand in the fourth quarter of 2021 in Europe, according to ACEA. Share of electric chargeable vehicles increased to 28.3% of all new passenger cars sold in 4Q2021, up from 19.2% seen in the fourth quarter of 2020.

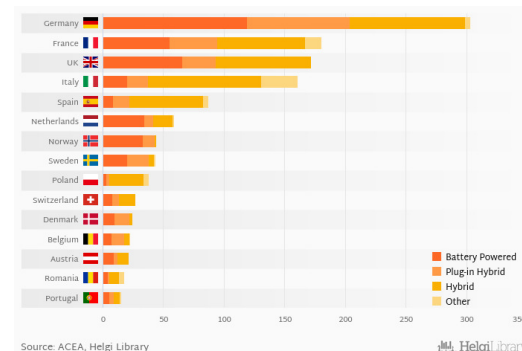
- ✓ Most electric vehicles (204 thousand) were sold in Germany (up 6.98% yoy), followed by France (94.4 thousand, up 26.1%), the United Kingdom with 93.1 thousand cars (up 40.6%), 42.8 thousand new vehicles were registered in Norway (up 12.1%) and 41.8 thousand in Netherlands (down 16.2%).
- ✓ In relative terms, Norway liked the electric chargeable vehicles the most with 90.2% of all new passenger cars sold followed by Iceland (76.8%) and Sweden (55.9%).
- ✓ Altogether, sale of alternative powered vehicles, including chargeable, hybrid and other alternative fuels vehicles (fuelled by NGV, LPG, or ethanol), accounted for 50.7% of new cars sold in the fourth quarter of 2021.
- ✓ Sales of traditionally-powered vehicles using petrol and diesel reached 346 thousand in the fourth quarter of 2021. The share of petrol reached 34.6% and share of diesel-powered vehicles 14.7% of all new passenger cars sold in 4Q2021.

Country	Dec 2021	Yoy Change
Germany	204	6.98%
France	94.4	26.1%
UK	93.1	40.6%
Norway	42.8	12.1%
Netherlands	41.8	-16.2%
Sweden	38.3	2.16%
Italy	37.2	24.4%
Denmark	22.4	59.3%
Spain	22.1	10.1%
Belgium	17.9	-10.0%
Switzerland	13.8	-6.68%
Austria	12.5	22.3%
Portugal	9.51	25.9%
Finland	7.89	51.8%
Poland	5.61	58.2%
Romania	5.34	271%
Hungary	3.02	19.2%
Luxembourg	2.52	16.3%
Iceland	2.30	86.7%
Greece	2.16	73.1%

Sales of Alternately Powered Vehicles
Number of Vehicles (thousand), 4Q2021, Europe



Sales of Alternately Powered Vehicles
Number of Vehicles (thousand), 4Q2021, Europe



Data tells a story

Sales of New Electric Cars in Europe rose 14.0% in 4Q2021

Sales of electrically-chargeable vehicles amounted to 666 thousand in 4Q2021, 81.8 thousand more than the last year.

Electric cars represented 28.3% of all new cars sold in 4Q2021, up from 19.2% a year ago.

Most electric vehicles have been sold in Germany (204 thousand), while Lithuania registered the biggest increase in sales when compared to last year.

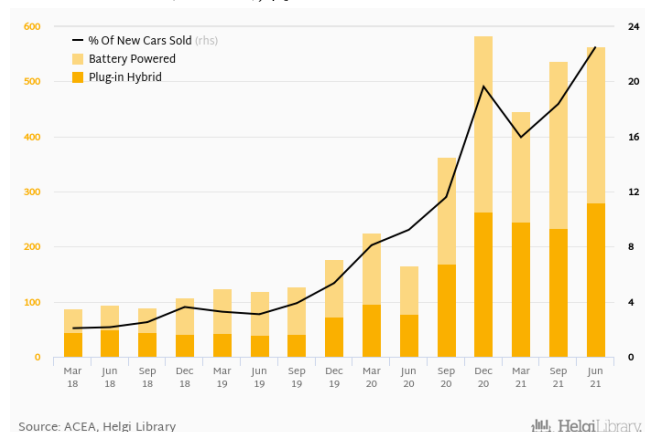
Electric Chargeable Cars

Sales of new electrically-chargeable passenger cars (battery electric and plug-in hybrid electric vehicles) reached 666 thousand in the fourth quarter of 2021 in the enlarged Europe (EU plus Iceland, Norway and Switzerland), according to ACEA. This is 14.0% more, or 584 thousand more than in the previous year.

Share of electric chargeable vehicles increased to 28.3% of all new passenger cars sold in 4Q2021, up from 19.2% seen in the fourth quarter of 2020. Most electric vehicles (204 thousand) were sold in Germany (up 6.98% yoy), followed by France (94.4 thousand, up 26.1%), the United Kingdom with 93.1 thousand cars (up 40.6%), 42.8 thousand new vehicles were registered in Norway (up 12.1%) and 41.8 thousand in Netherlands (down 16.2%). The five largest countries accounted for 71.5% of total new vehicles registered in the fourth quarter of 2021:

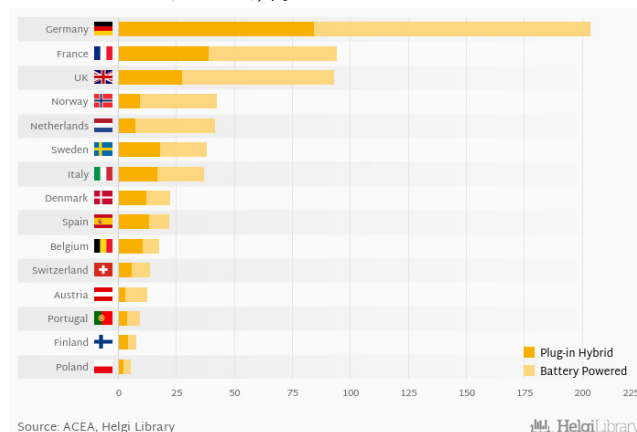
Sale of Electric Chargeable Vehicles in Europe

Number of Vehicles (thousand), 4Q2021



Sales of Electric Chargeable Vehicles in Europe by Country

Number of Vehicles (thousand), 4Q2021



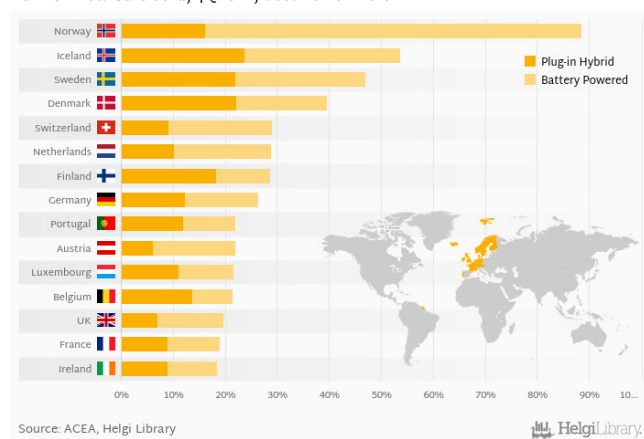
As partly seen above, the sale of battery-electric (BEV) increased by 26.5% when compared to last year, while registration of plug-in hybrid vehicles (PHEV) fell by 0.779%.

In relative terms, Norway liked the electric chargeable vehicles the most in the fourth quarter of 2021 with 90.2% of all new passenger cars sold followed by Iceland (76.8%) and Sweden (55.9%).

On the other end of the scale was Czech Republic with only 3.78%, Bulgaria with 2.53% and Cyprus with just 1.38% of electric cars sold, as % of total:

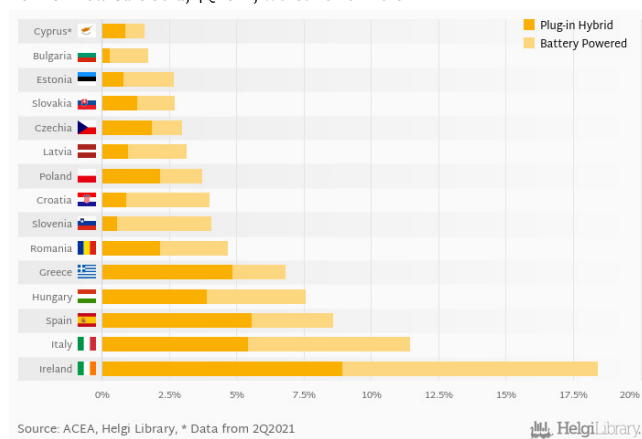
Sales of Electric Chargeable Vehicles in Europe by Country

As % Of New Cars Sold, 4Q2021, Best Performers



Sales of Electric Chargeable Vehicles in Europe by Country

As % Of New Cars Sold, 4Q2021, Worst Performers



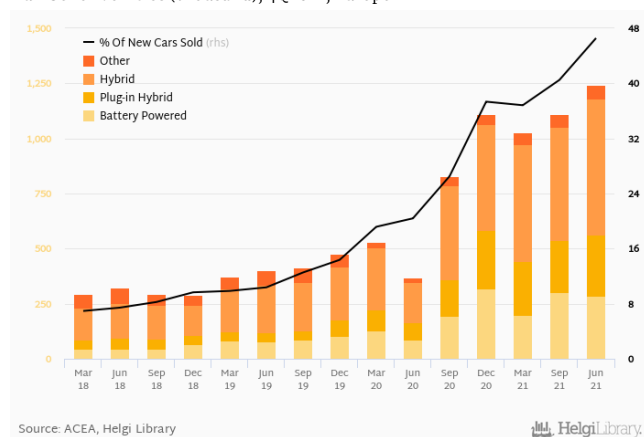
Hybrid Electric and Other Alternately-Powered Cars

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 1,191 thousand vehicles in the fourth quarter of 2021. This is 7.21% more, or 80.1 thousand more than in the previous year.

Together with electric chargeable vehicles, the share of total alternately-powered vehicles increased to 50.7% of all new passenger cars sold in 4Q2021, up from 36.5% seen in the fourth quarter of 2020:

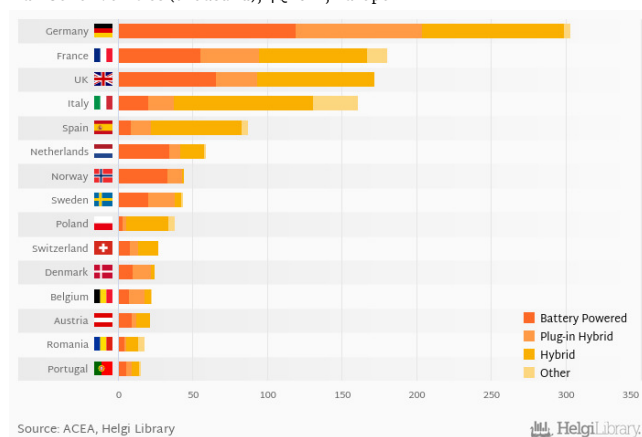
Sales of Alternatively Powered Vehicles

Number of Vehicles (thousand), 4Q2021, Europe



Sales of Alternatively Powered Vehicles

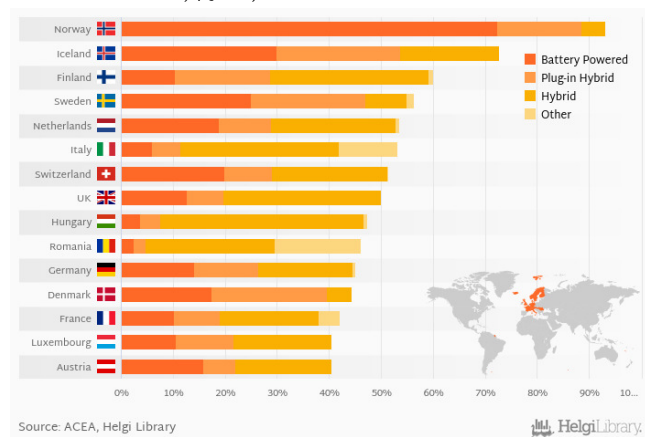
Number of Vehicles (thousand), 4Q2021, Europe



In relative terms, Norway liked the alternatively-powered vehicles the most in the fourth quarter of 2021 with 93.9% of all new passenger cars sold followed by Iceland (87.0%) and Netherlands (67.4%). On the other hand, alternatively-fuelled cars represented only 20.6% of all cars sold in Slovenia, 19.4% in the Czech Republic and 5.44% in Bulgaria, according to ACEA.

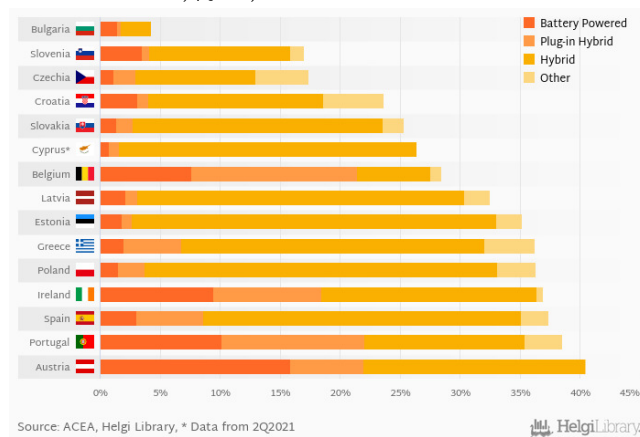
Sales of Alternatively-powered Vehicles in Europe by Country

As % of New Cars Sold, 4Q2021, Best Performers



Sales of Alternatively-powered Vehicles in Europe by Country

As % of New Cars Sold, 4Q2021, Worst Performers



Petrol and Diesel-Powered Cars

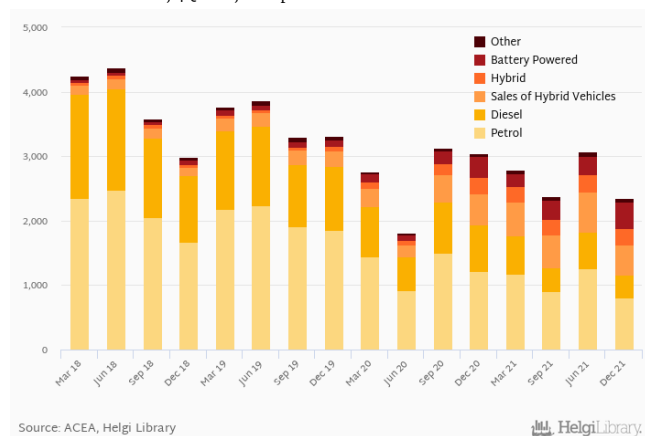
Sales of traditionally-powered vehicles using petrol and diesel reached 1,159 thousand in the fourth quarter of 2021 in the enlarged Europe, according to ACEA. This is 40.1%, or 775 thousand fewer than in the previous year.

Some 813 thousand petrol-powered vehicles were sold, down 32.9% when compared to a year ago. The share decreased to 34.6% of all new passenger cars sold in 4Q2021, down from 39.8% seen in the fourth quarter of 2020. Share of diesel-powered cars fell to 14.7% (from 23.7% in 4Q2020) with 346 thousand cars sold in the fourth quarter of 2021.

As a result, share of traditionally-powered cars amounted to 49.3% of all new passenger cars sold in 4Q2021, down from 63.5% seen in the fourth quarter of 2020.

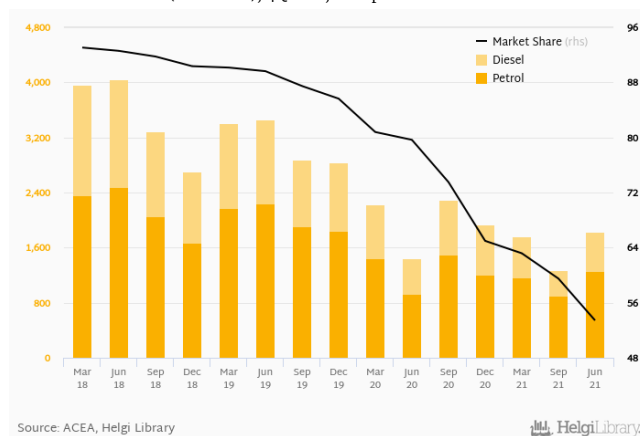
Sales of Vehicles in the EU by Power

Number of Vehicles, 4Q2021, Europe



Sales of Traditionally-Powered Vehicles in the EU

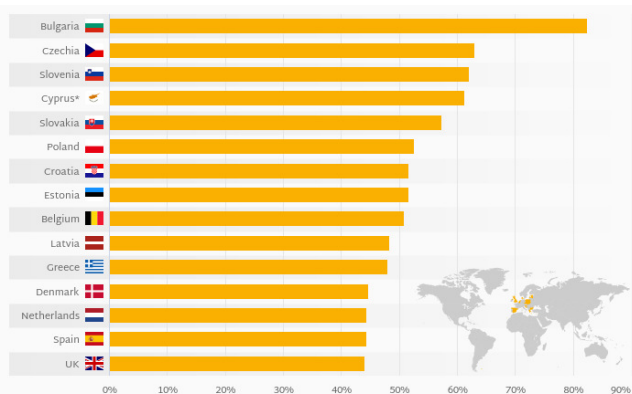
Number of Vehicles (thousand), 4Q2021, Europe



In relative terms, Bulgaria liked the petrol-fuelled vehicles the most in the fourth quarter of 2021 with 81.5% of all new passenger cars sold followed by Slovenia (59.7%) and the Czech Republic (57.3%). On the other hand, diesel-powered cars were preferred most in Ireland (25.7% of all cars sold), followed by Austria (with 23.8%) and the Czech Republic (23.3%).

Sales of Petrol-fuelled Vehicles in Europe by Country

As % of New Cars Sold, 4Q2021

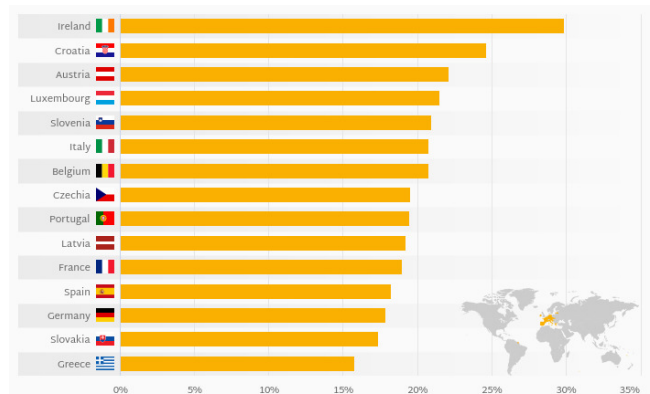


Source: ACEA, Helgi Library, * Data from 2Q2021

HelgiLibrary

Sales of Diesel-fuelled Vehicles in Europe by Country

As % of New Cars Sold, 4Q2021



Source: ACEA, Helgi Library

HelgiLibrary

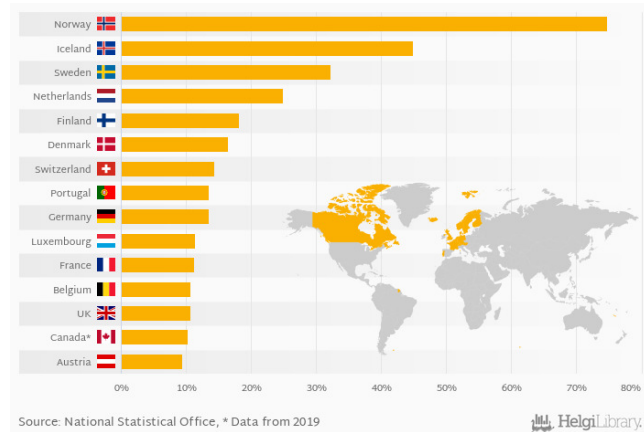
Relative and Absolute Sales of Cars by Power

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

1. Electric Passenger Cars

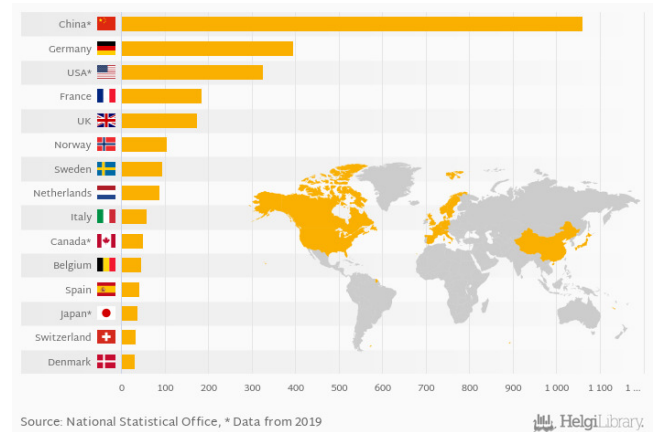
Which Country Loves Electric Cars the Most?

Electric vehicles (%), 2020



Which Country Sells the Most Electric Cars?

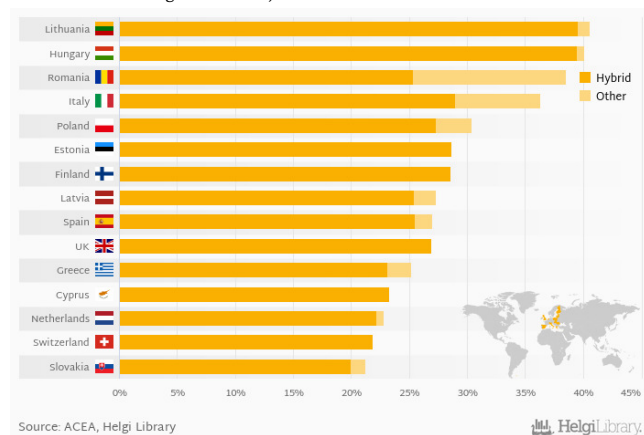
Sales Of Electric Cars (thousand), 2020



2. Alternative Fuelled Passenger Cars (LPG, CNG)

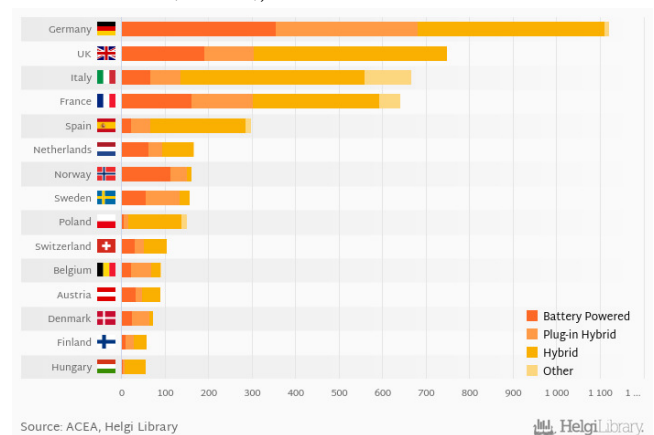
Which Country Loves Alternative Cars the Most?

As % of New Passenger Cars Sold, 2021



Sales of Alternately Powered Vehicles

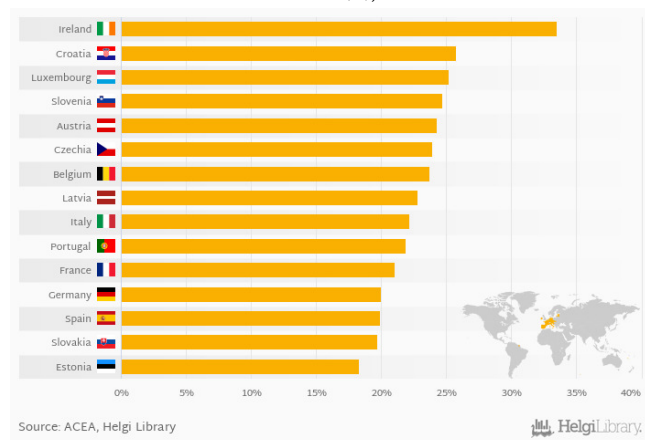
Number of Vehicles (thousand), 2021



3. Diesel Fuelled Passenger Cars

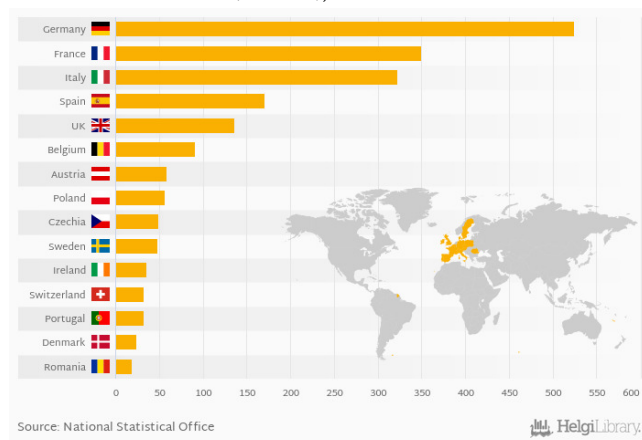
Who Likes Diesel-fuelled Cars the Most?

Diesel-Fuelled Cars as % of New Cars Sold (%), 2021



Which Country Sells the Most Diesel-Fuelled Cars?

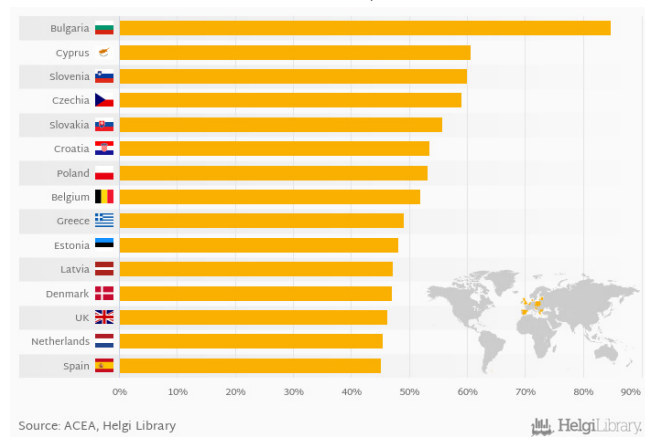
Sales of Diesel-Fuelled Cars (thousand), 2021



4. Petrol Fuelled Passenger Cars

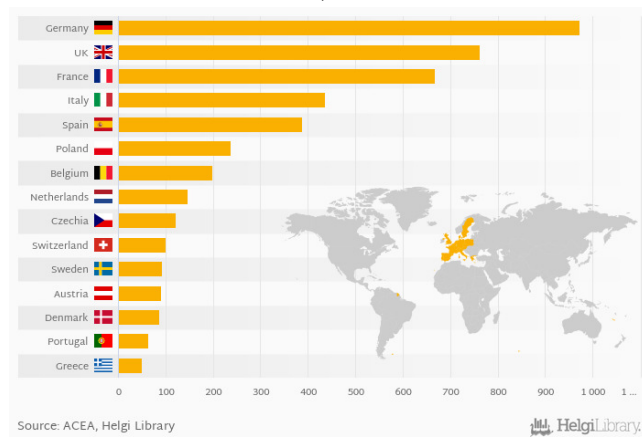
Who Likes Petrol-Fuelled Cars the Most?

Petrol-Fuelled Cars as % of New Cars Sold (%), 2021



Which Country Sells the Most Petrol-Fuelled Cars?

Sales of Petrol-Fuelled Cars (thousand), 2021





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

COUNTRY	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021
Austria	3.62	3.76	5.99	10.2	10.3	12.9	12.2	12.5
Belgium	7.69	6.36	12.4	19.9	16.8	18.4	17.4	17.9
Bulgaria	...	...	...	...	0.190	0.242	0.116	0.150
Croatia	...	...	...	0.330	0.201	0.352	0.460	0.861
Cyprus	0.004	0.007	0.011	0.020	0.046	0.048	0.020	0.028
Czechia	1.32	0.681	0.908	2.33	1.54	1.94	1.47	1.70
Denmark	4.16	4.11	10.2	14.1	10.5	15.3	17.2	22.4
Estonia	0.065	0.070	0.118	0.172	0.127	0.226	0.150	0.148
Finland	4.56	2.73	4.93	5.20	7.24	8.87	6.29	7.89
France	35.4	29.8	45.7	74.8	61.7	82.6	64.5	94.4
Germany	52.4	41.5	111	190	143	170	166	204
Greece	0.159	0.208	0.515	1.25	1.30	1.91	1.60	2.16
Hungary	1.00	0.903	1.60	2.53	1.48	1.79	2.26	3.02
Iceland	1.17	0.651	1.16	1.23	1.08	1.60	2.01	2.30
Ireland	2.69	0.373	2.90	0.553	5.55	2.95	6.78	1.27
Italy	8.35	7.39	14.2	29.9	29.4	38.6	32.1	37.2
Latvia	0.066	0.074	0.147	0.104	0.094	0.170	0.124	0.174
Lithuania	0.087	0.074	0.167	0.125	0.065	0.245	0.273	0.572
Luxembourg	0.790	0.712	1.49	2.17	2.27	2.21	2.10	2.52
Netherlands	12.0	8.14	19.1	49.9	10.8	19.9	21.2	41.8
Norway	22.6	18.0	27.0	38.2	29.8	39.6	39.8	42.8
Poland	1.28	1.22	2.06	3.54	2.93	4.04	3.92	5.61
Portugal	4.78	2.64	4.73	7.55	4.98	7.57	6.86	9.51
Romania	0.271	0.328	0.807	1.44	0.415	0.459	1.95	5.34
Slovakia	0.324	0.310	0.474	0.376	0.397	0.595	0.553	0.726
Slovenia	0.387	0.323	0.402	0.664	0.364	0.406	0.495	0.640
Spain	7.25	3.49	10.4	20.1	10.6	17.8	16.5	22.1
Sweden	18.5	14.1	24.0	37.5	32.4	36.8	27.9	38.3
Switzerland	5.42	4.70	9.11	14.7	9.07	13.6	17.2	13.8
UK	31.9	18.5	58.4	66.2	58.4	73.7	80.1	93.1
EU	223	167	363	584	445	564	537	666

Source: ACEA, Helgi Library



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

COUNTRY	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021
Austria	4.41	5.11	7.21	9.29	10.2	12.4	10.3	9.14
Belgium	5.60	2.87	3.85	2.88	5.40	5.29	4.98	4.01
Bulgaria	0.501	0.212	0.120	0.114	0.510	0.418	0.167	0.150
Croatia	0.486	0.422	0.551	0.721	1.37	2.02	1.67	1.38
Cyprus	0.400	0.336	0.295	0.364	0.428	0.736	0.817	0.562
Czechia	2.38	2.27	3.02	4.95	5.41	7.64	4.88	6.18
Denmark	2.32	1.67	2.60	3.05	2.15	2.71	2.10	1.88
Estonia	0.738	0.484	0.684	0.759	1.45	2.01	1.70	1.23
Finland	5.09	3.13	5.19	5.32	8.17	8.10	6.69	5.15
France	30.1	30.4	49.3	59.1	70.8	82.4	63.9	72.8
Germany	63.1	46.5	96.4	121	101	120	113	95.1
Greece	2.59	2.12	3.25	3.79	5.06	7.32	5.90	5.11
Hungary	5.68	5.18	9.14	11.8	12.9	12.6	11.6	11.0
Iceland	0.298	0.249	0.404	0.223	0.331	0.926	0.712	0.302
Ireland	6.34	0.276	4.07	0.308	9.22	2.70	6.60	0.739
Italy	34.8	27.6	62.9	96.7	121	123	85.5	93.8
Latvia	0.496	0.340	0.542	0.518	0.777	1.10	1.07	0.678
Lithuania	1.08	0.825	4.20	2.18	3.39	4.74	2.70	1.59
Luxembourg	0.853	0.698	1.10	1.15	1.77	2.16	1.84	1.46
Netherlands	11.5	6.87	13.6	15.5	19.2	19.0	17.5	16.1
Norway	3.25	2.56	2.89	3.55	2.57	3.42	2.06	1.73
Poland	13.7	9.47	17.2	25.9	29.7	33.1	30.9	28.4
Portugal	2.83	1.50	2.94	4.64	4.13	6.39	4.15	4.42
Romania	2.25	2.27	4.08	5.67	5.52	6.96	10.4	7.88
Slovakia	1.33	1.26	2.00	2.64	2.61	4.64	4.23	3.68
Slovenia	0.571	0.317	0.415	0.416	0.651	0.935	1.42	1.46
Spain	29.4	16.7	40.3	51.0	41.0	66.8	50.6	61.0
Sweden	4.43	3.72	7.05	7.15	6.14	7.01	4.72	4.32
Switzerland	7.09	4.71	7.88	12.5	11.6	14.1	13.1	13.4
UK	68.1	23.2	114	84.4	109	133	123	78.8
EU	282	180	425	482	529	615	517	469

Source: ACEA, Helgi Library



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

COUNTRY	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021
Austria	0.005	0.003	0.001	0.012	0.025	0.036	0.018	0.007
Belgium	0.049	0.342	0.410	0.193	0.843	0.894	0.721	0.629
Bulgaria	0.086	0.034	0	0.001	0.053	0.027	0	0.023
Croatia	0.064	0.101	0.225	0.324	0.327	0.581	0.579	0.510
Cyprus	0	0	0	0	0	0	0.001	0
Czechia	0.105	0.168	1.53	0.592	0.507	0.913	2.19	0.856
Denmark	0	0	0	0	0	0	0	0
Estonia	0	0	0	0	0.188	0.095	0.121	0.062
Finland	0	0	0	0	0.307	0.275	0.193	0.146
France	0.506	3.49	6.71	5.89	9.42	12.8	13.6	13.2
Germany	0.180	0.732	2.38	3.27	2.51	3.71	3.27	4.56
Greece	0	0.014	0.132	0.295	0.533	0.884	0.986	0.991
Hungary	0	0.018	0.175	0.140	0.206	0.056	0.211	0.239
Iceland	0	0	0	0.001	0.001	0.001	0.001	0.004
Ireland	0	0	0	0	0	0	0.179	0.017
Italy	20.9	16.2	26.7	29.7	36.4	40.8	31.3	29.7
Latvia	0.012	0.042	0.024	0.058	0.042	0.075	0.085	0.077
Lithuania	0	0	0.022	0.051	0	0.076	0.101	0.090
Luxembourg	0	0	0	0	0	0.001	0.002	0
Netherlands	0.090	0.341	0.758	0.732	0.399	0.576	0.565	0.718
Norway	0	0	0	0	0	0	0	0
Poland	0.643	1.19	2.69	4.82	3.11	3.18	3.32	4.05
Portugal	0.094	0.348	0.466	0.907	0.435	0.734	0.965	1.42
Romania	0.093	1.07	2.87	5.25	1.67	2.91	6.85	4.52
Slovakia	0.042	0.120	0.187	0.193	0.217	0.303	0.357	0.311
Slovenia	0.004	0.046	0.058	0.076	0.123	0.160	0.144	0.145
Spain	0.988	1.08	3.57	4.24	2.56	3.11	4.28	4.10
Sweden	0.001	0.003	0.007	0	0.416	0.693	0.835	0.725
Switzerland	0.001	0.001	0.001	0	0.066	0.085	0.041	0.097
UK	0	0	0	0	0	0	0	0
EU	22.8	22.6	41.1	45.2	54.0	64.6	57.0	56.3

Source: ACEA, Helgi Library



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

COUNTRY	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021
Austria	21.3	21.6	18.3	22.5	16.3	17.8	12.3	11.9
Belgium	40.6	29.0	39.4	33.2	32.1	27.4	16.9	14.5
Bulgaria	2.34	1.50	0.910	0.677	1.93	2.69	0.889	0.774
Croatia	3.46	2.63	4.03	2.77	3.09	3.99	2.83	1.67
Cyprus	0.901	0.610	0.807	0.624	0.606	0.368	0.332	0.279
Czechia	14.6	12.0	16.1	16.3	14.1	14.9	9.56	10.5
Denmark	13.0	8.73	10.4	12.6	7.04	7.39	4.76	4.72
Estonia	1.28	0.812	1.32	1.23	1.42	1.35	0.737	0.580
Finland	3.95	2.95	3.21	2.68	2.61	2.62	1.88	1.28
France	121	102	139	142	108	105	64.0	73.0
Germany	224	159	227	210	158	156	112	97.8
Greece	5.79	4.31	5.78	6.37	5.05	5.85	3.69	2.97
Hungary	6.95	4.83	7.67	8.17	6.01	5.56	4.25	3.20
Iceland	0.452	0.364	0.687	0.300	0.332	0.600	0.342	0.275
Ireland	21.9	1.49	13.0	1.86	17.6	5.43	11.0	1.08
Italy	119	84.5	132	117	112	99.0	58.3	53.5
Latvia	1.46	0.879	1.21	1.07	1.00	0.863	0.758	0.586
Lithuania	1.49	0.946	1.77	2.75	0.950	1.40	0.909	0.724
Luxembourg	4.60	3.34	4.80	3.89	3.77	3.26	2.09	2.08
Netherlands	5.46	2.64	3.18	1.69	2.17	2.43	1.47	0.898
Norway	3.49	3.21	3.10	2.37	2.09	2.20	1.36	1.44
Poland	19.7	13.2	21.9	24.4	17.1	17.1	11.7	11.4
Portugal	15.7	6.33	13.6	12.2	8.16	10.9	6.05	6.91
Romania	8.30	6.19	8.39	11.0	3.74	5.35	6.19	3.93
Slovakia	4.99	3.55	5.49	5.06	4.04	4.38	3.53	2.96
Slovenia	4.81	4.50	4.96	3.54	4.82	3.84	2.53	2.14
Spain	59.7	36.2	70.0	70.0	42.8	53.0	34.9	40.5
Sweden	16.6	15.9	15.9	16.0	19.5	12.9	7.73	8.19
Switzerland	16.0	7.99	13.7	14.2	9.36	10.0	6.49	6.55
UK	91.4	27.5	90.1	52.7	48.6	44.5	24.5	18.2
EU	783	517	803	722	595	567	370	346

Source: ACEA, Helgi Library



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

COUNTRY	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021
Austria	25.2	27.5	29.0	26.0	26.6	27.7	20.8	16.4
Belgium	72.5	50.1	60.1	41.0	64.1	61.2	41.2	32.5
Bulgaria	2.86	2.35	5.82	4.44	2.97	3.97	5.50	4.84
Croatia	5.84	4.27	5.91	3.79	5.50	8.86	5.93	3.75
Cyprus	1.62	1.04	1.61	1.43	1.64	1.82	1.62	1.17
Czechia	31.3	29.0	31.5	30.2	28.0	37.8	30.9	25.8
Denmark	29.3	25.0	30.6	26.3	24.2	27.2	19.4	16.4
Estonia	3.27	1.97	2.87	2.21	2.54	3.53	2.89	1.78
Finland	13.9	9.85	12.2	9.60	9.65	8.88	6.87	5.35
France	178	185	210	201	192	198	132	145
Germany	359	260	393	350	252	285	232	203
Greece	12.5	8.27	13.4	8.93	11.5	19.0	11.2	7.93
Hungary	19.0	12.1	15.8	15.3	11.6	12.5	11.4	9.95
Iceland	0.544	0.442	0.807	0.348	0.347	0.824	0.677	0.112
Ireland	18.9	0.953	11.7	1.09	15.7	4.75	12.2	1.09
Italy	156	96.0	137	133	149	137	73.3	78.1
Latvia	1.83	1.39	1.92	1.36	1.53	2.06	1.90	1.24
Lithuania	8.07	4.24	5.28	6.87	3.19	4.55	3.66	2.12
Luxembourg	5.67	4.13	5.86	3.94	4.66	5.21	3.69	3.30
Netherlands	74.0	36.9	53.9	40.3	46.8	40.7	32.5	27.5
Norway	3.05	3.10	3.17	1.96	1.85	2.41	1.75	1.47
Poland	72.3	47.1	71.4	74.5	65.1	67.8	55.3	49.9
Portugal	21.9	8.75	19.1	14.5	13.3	24.8	13.1	11.9
Romania	17.1	11.8	18.8	18.4	7.73	11.3	16.1	12.2
Slovakia	12.2	9.71	13.4	12.0	8.14	13.1	11.6	9.31
Slovenia	8.83	8.31	9.39	5.77	9.68	8.72	7.50	6.51
Spain	120	63.2	130	110	89.1	130	84.8	83.9
Sweden	25.6	25.3	29.0	27.8	32.4	24.9	18.1	17.1
Switzerland	35.1	21.8	29.6	31.8	26.4	30.2	22.3	21.0
UK	292	101	327	184	209	233	179	141
EU	1,444	927	1,496	1,212	1,169	1,262	905	813

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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