

EU okviri i strategije razvoja e-mobilnosti

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Zavor za visoki napon i energetiku

Tri razloga ZA

- Onečišćenje zraka, posebno u gradskim područjima
- Klimatske promjene
- Geopolitičke promjene

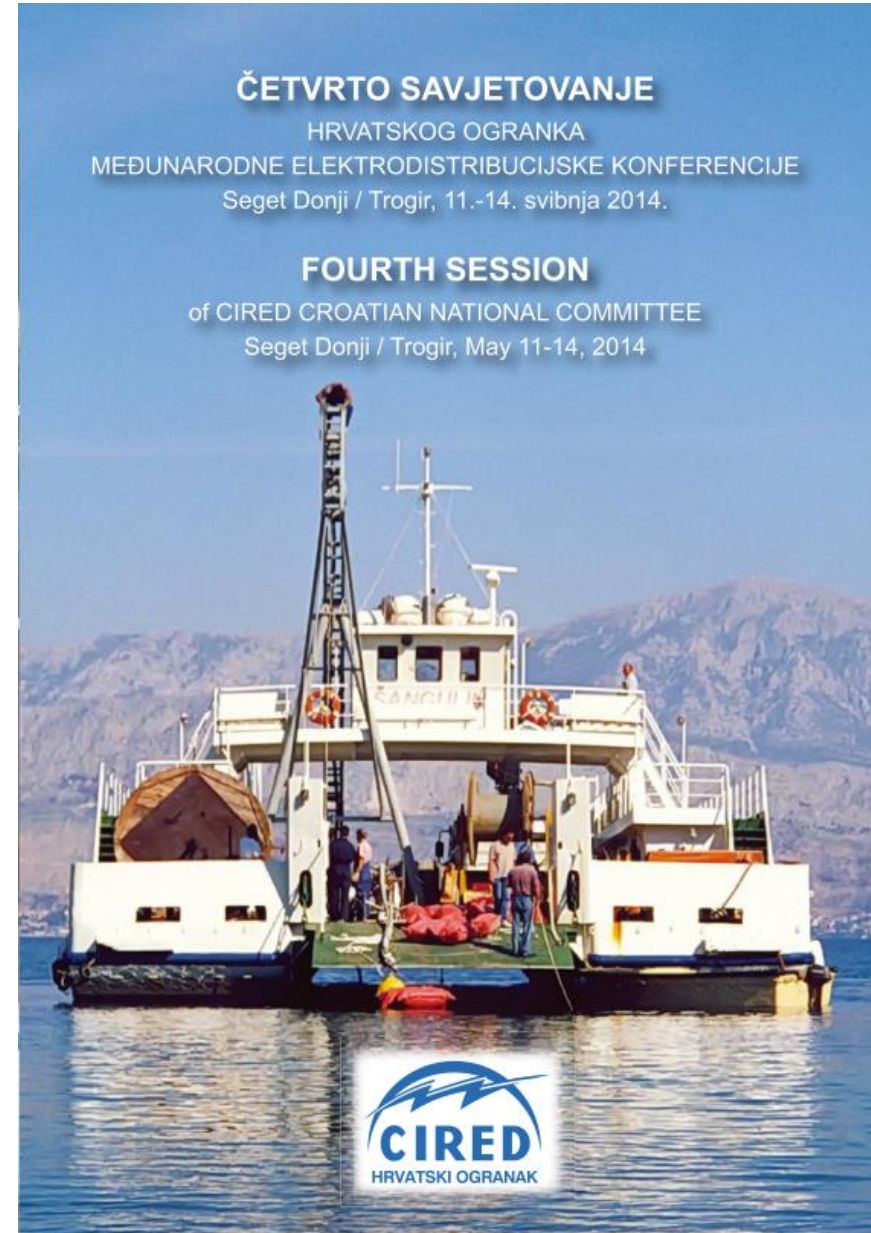
Zakonodavni okvir Europske unije

- Strategy for sustainable and smart mobility
- Revision of the Ambient Air Quality Directives
- Revision of the Regulation on the trans-European transport network (TEN-T)
- Revision of the Directive on Deployment of Alternative Fuels Infrastructure
- Revision of CO₂ emission performance standards for cars and vans
- Review of the Effort-Sharing Regulation
- Revision of the Energy Performance of Buildings Directive
- Revision of the Renewable Energy Directive
- Revision of the TEN-E regulation for energy infrastructure (REFIT)

Pogled u sadašnjost e-mobilnosti kroz statistiku

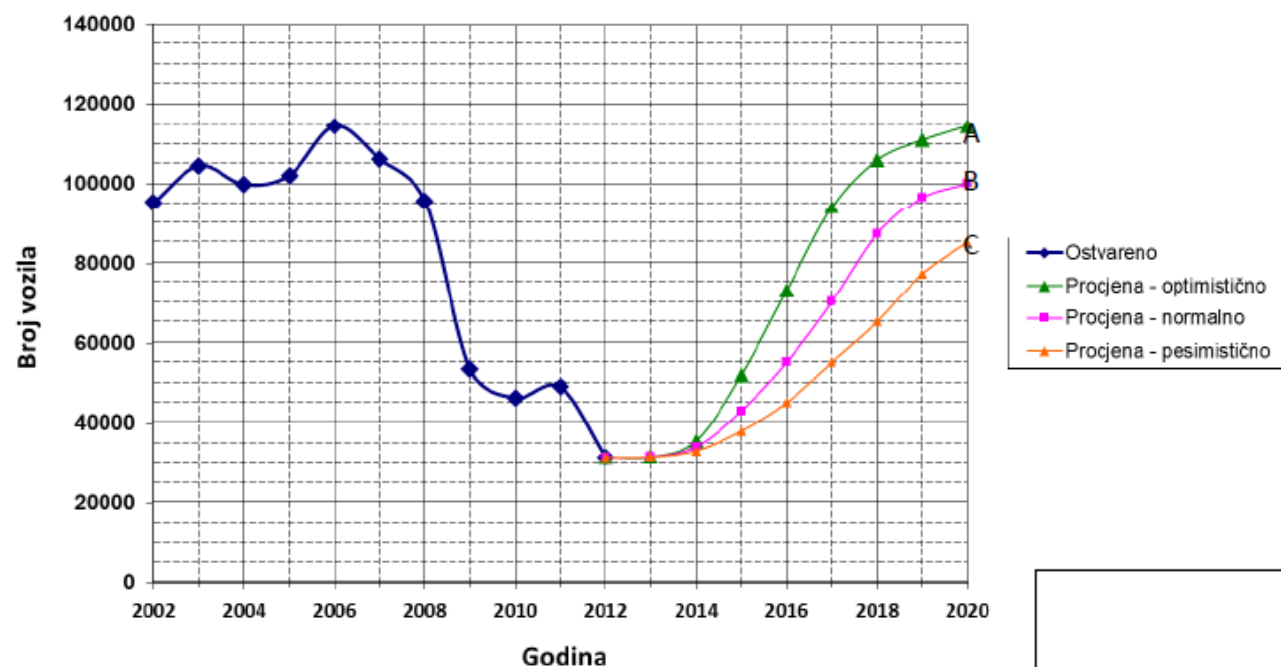


2013.



2014.

Broj novoregistriranih osobnih vozila

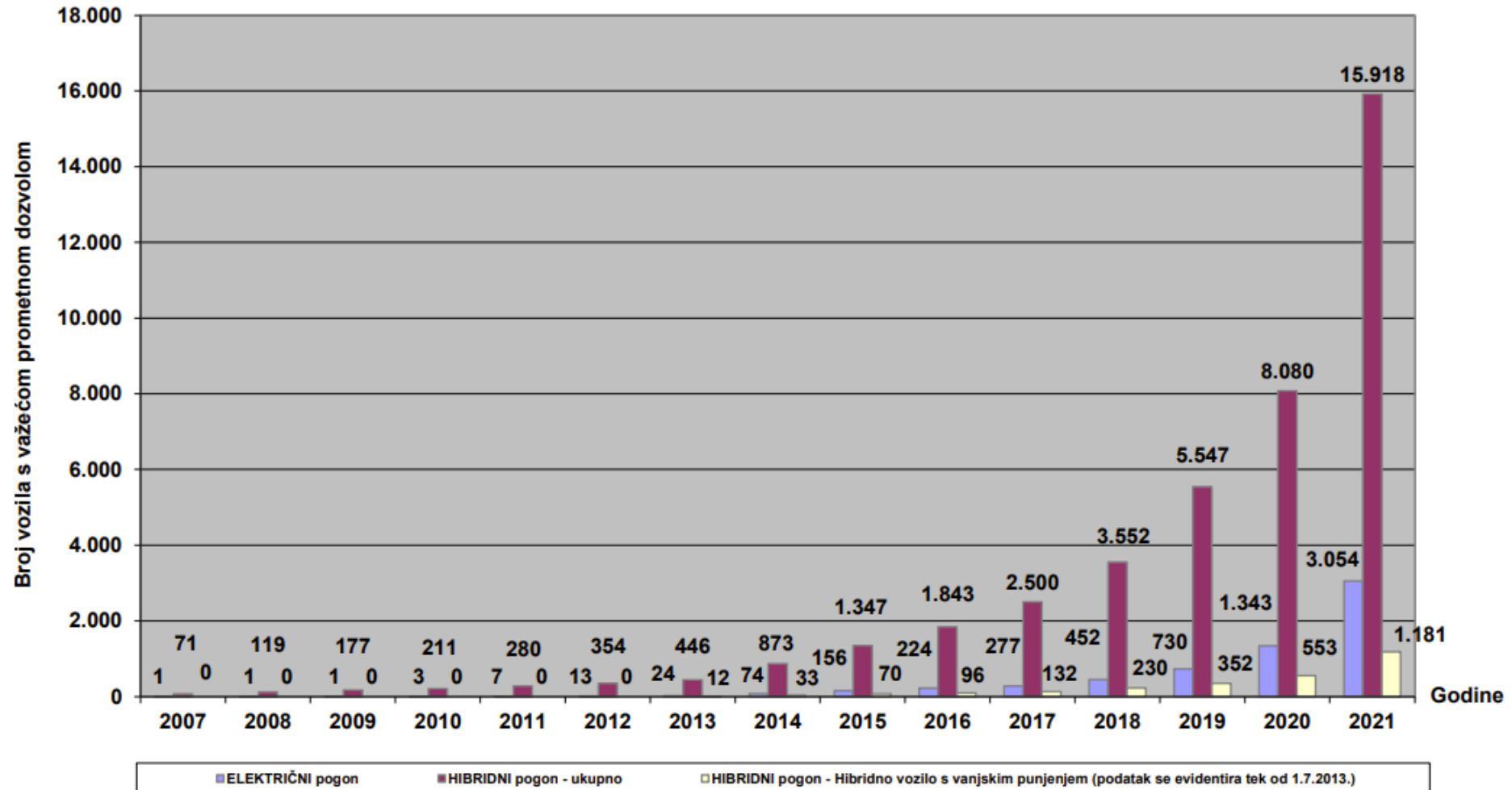


Slika 36: Procjena rasta broja novoregistriranih vozila

Tablica 16: Broj registriranih električnih vozila u 2020. godini

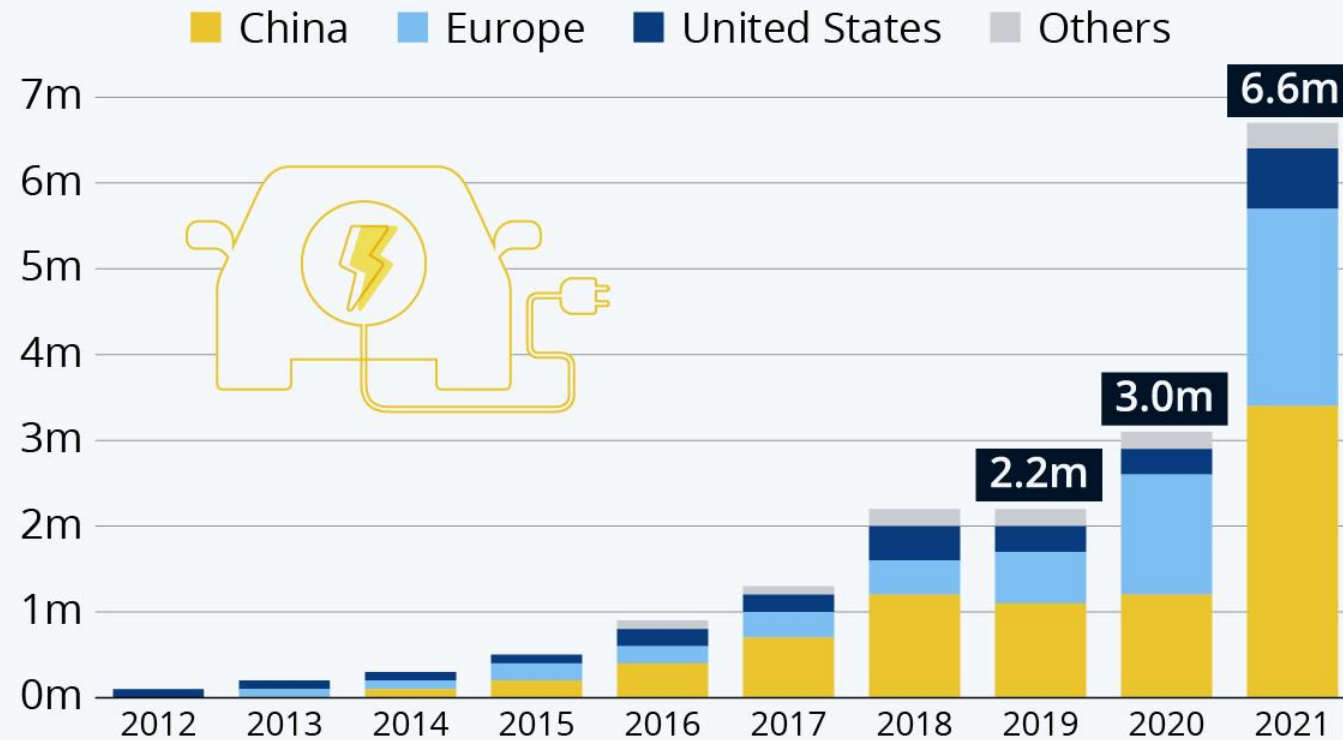
Procjena za 2020. godinu	Procjena porasta broja novoregistriranih vozila prema S krivulji A		Procjena porasta broja novoregistriranih vozila prema S krivulji B		Procjena porasta broja novoregistriranih vozila prema S krivulji C	
	Podscenarij 1 – u odnosu na sva prodana osobna vozila	Podscenarij 2 – u odnosu na prodana benzinska osobna vozila	Podscenarij 1 – u odnosu na sva prodana osobna vozila	Podscenarij 2 – u odnosu na prodana benzinska osobna vozila	Podscenarij 1 – u odnosu na sva prodana osobna vozila	Podscenarij 2 – u odnosu na prodana benzinska osobna vozila
Scenarij 1 – 4% vozila	18267	9980	15112	8250	12103	6607
Scenarij 2 – 8% vozila	36254	19950	30214	16491	24197	13204
Scenarij 3 – 17% vozila	77602	42383	64193	35032	51407	28046

Vozila kategorije M1 s ELEKTRIČNIM i HIBRIDNIM pogonom



Global Electric Car Sales Doubled in 2021

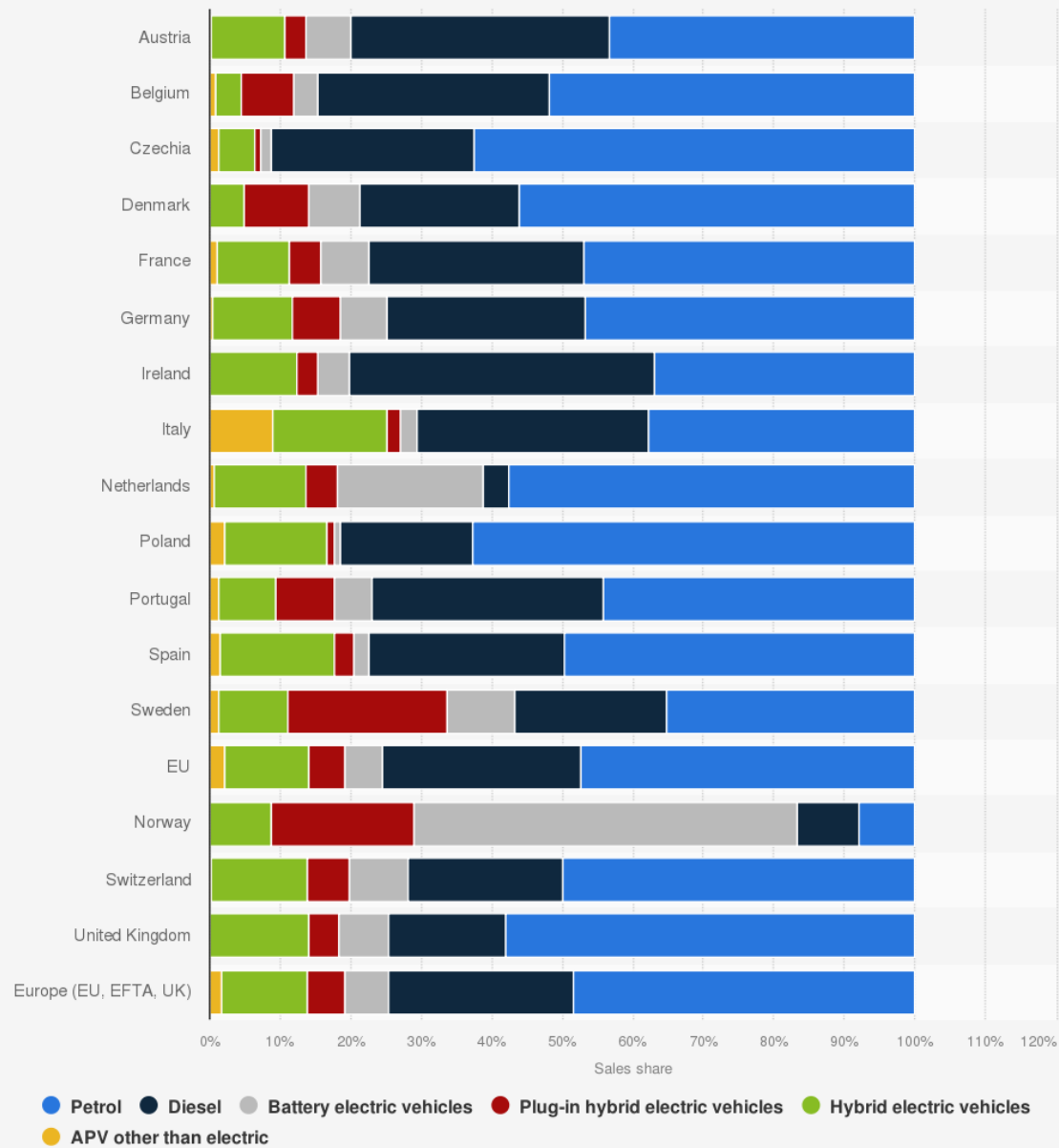
Global registrations of electric vehicles
(incl. plug-in hybrids), by region*



* incl. passenger cars and light commercial vehicles (vans, light trucks)

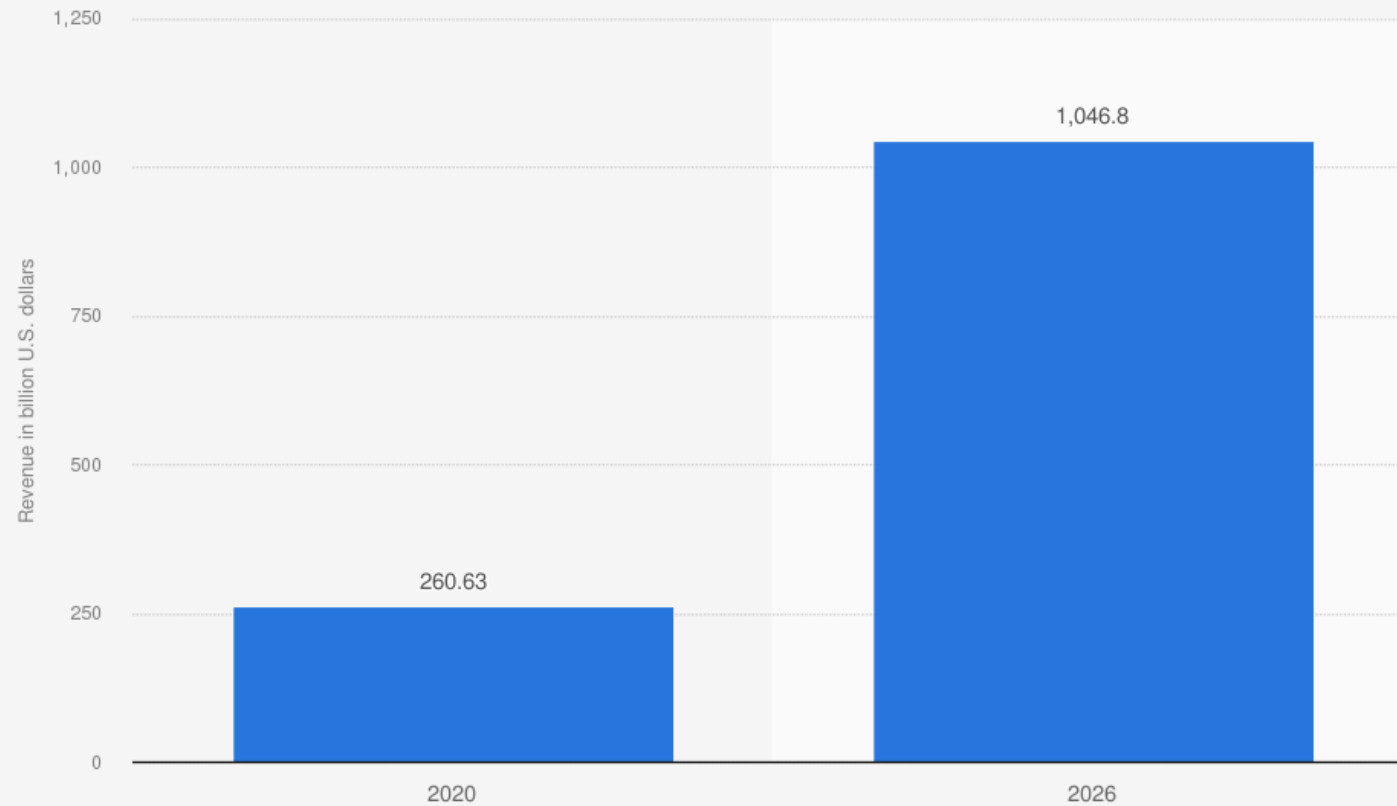
Source: EV-volumes.com via IEA

Passenger car sales in selected European countries in 2020, by fuel type



Pogled u budućnost e-mobilnosti kroz statistiku

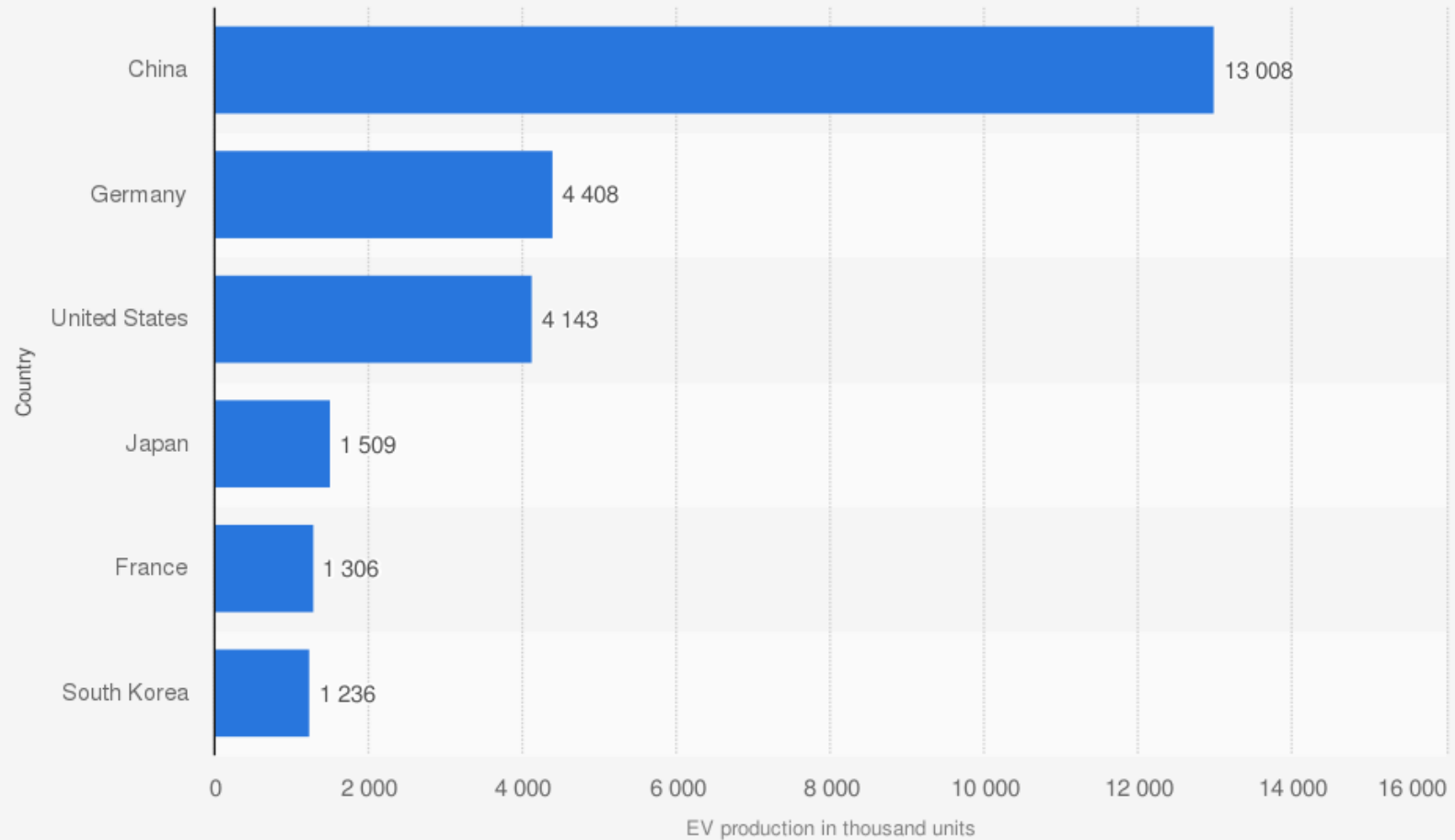
Size of the global market for electric vehicles in 2020 and 2026 (in billion U.S. dollars)



Source
Mordor Intelligence
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Additional Information:
Worldwide; 2021

Projected production of electric vehicles and plug-in hybrid electric vehicles in selected countries between 2018 and 2023 (in 1,000 units)



Sources

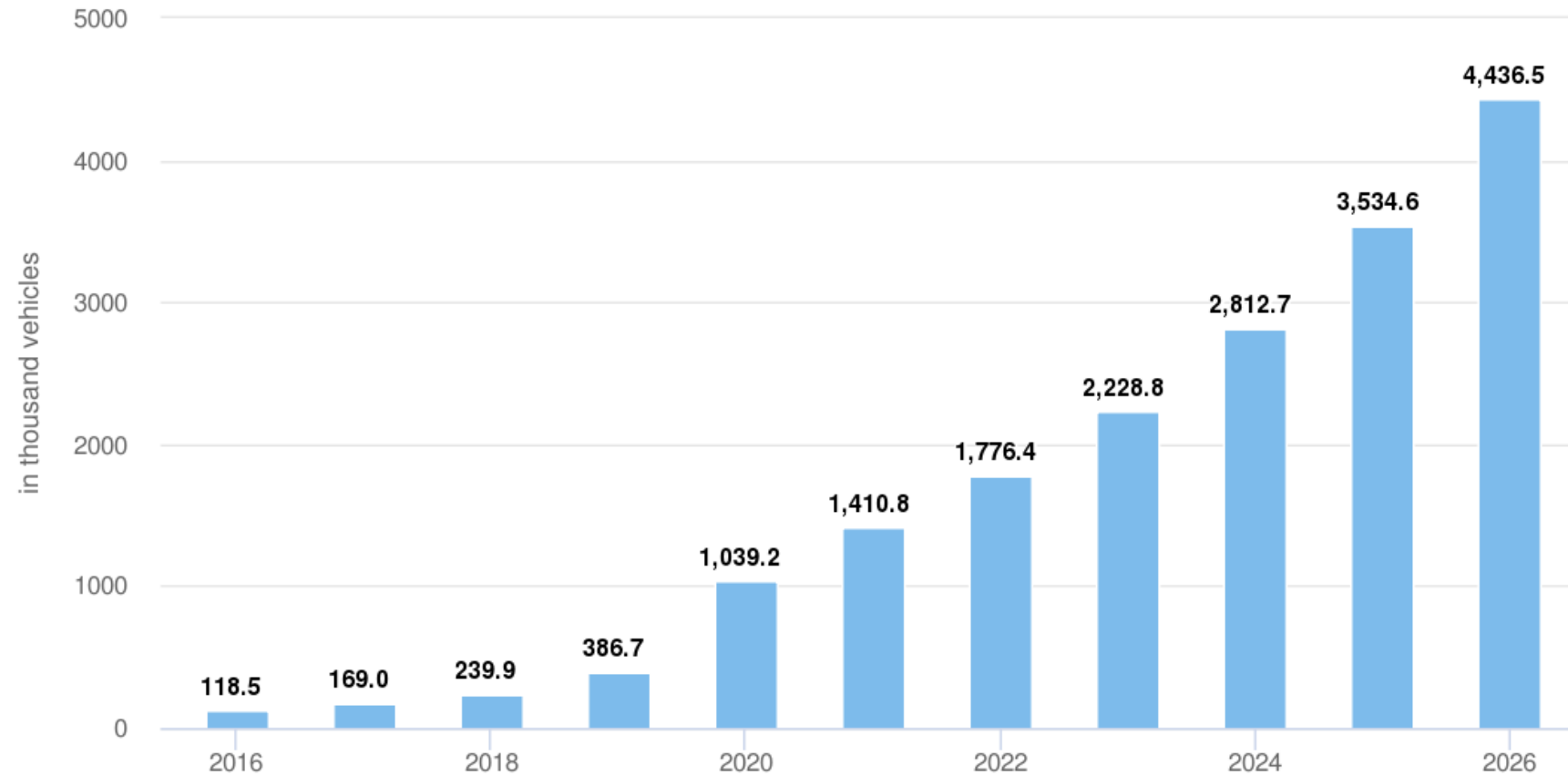
Forschungsgesellschaft Kraftfahrwesen Aachen;
Roland Berger
© Statista 2021

Additional Information:

Worldwide; Roland Berger; Forschungsgesellschaft Kraftfahrwesen Aachen; as of March 2021

Electric Vehicles - Vehicle Sales

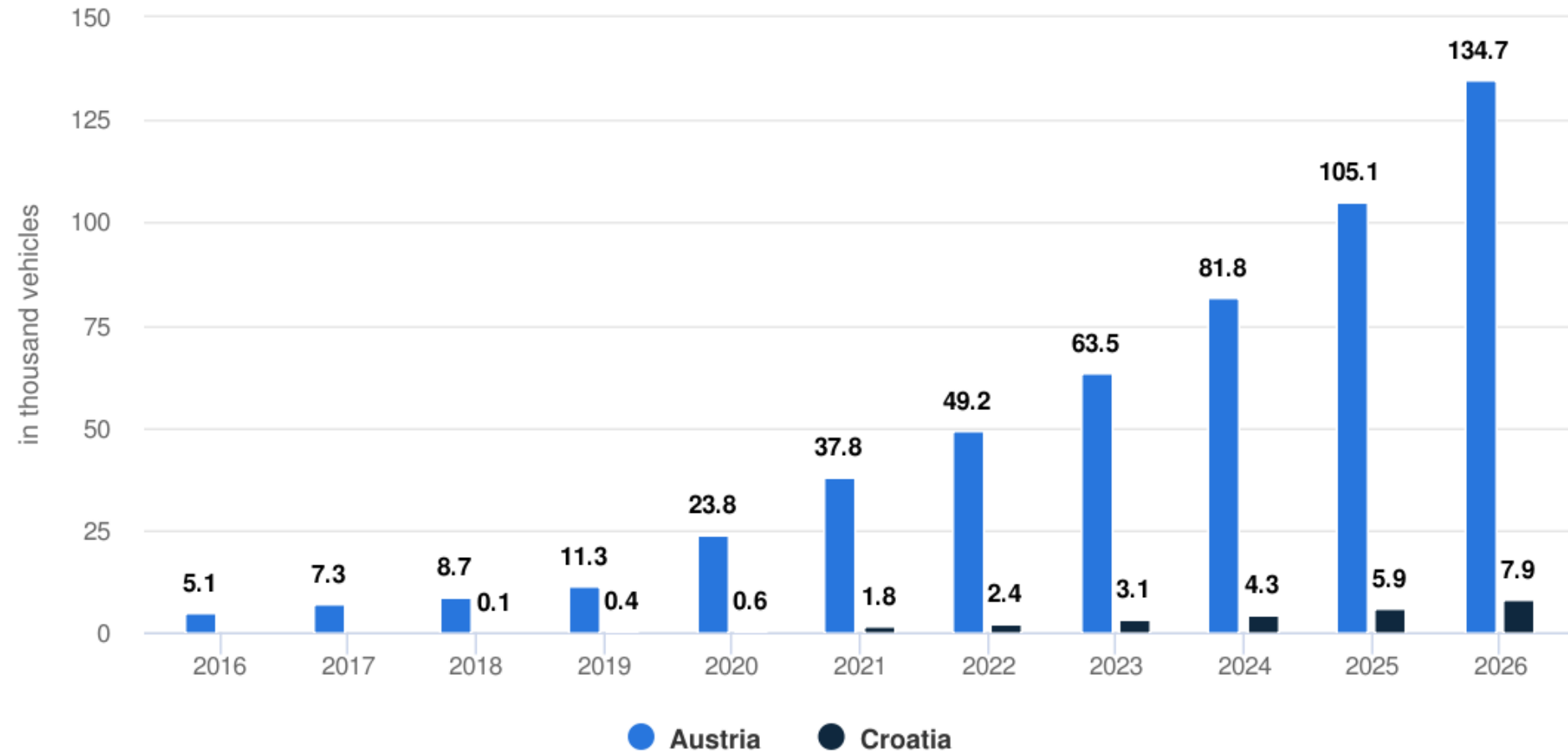
EU-27 (thousand vehicles)



Source: Statista

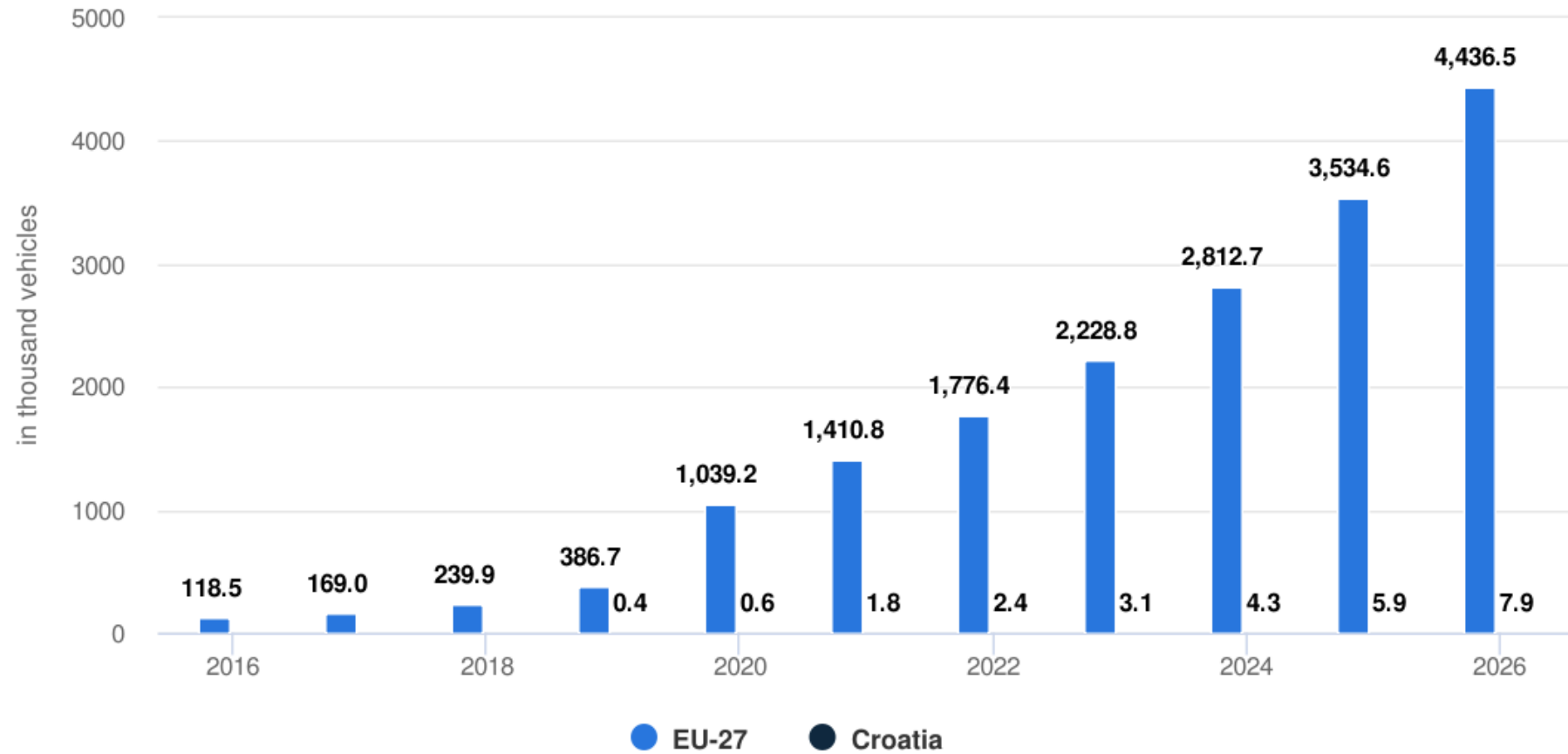
Electric Vehicles - (Vehicle Sales)

Austria - Croatia (thousand vehicles)



Electric Vehicles - (Vehicle Sales)

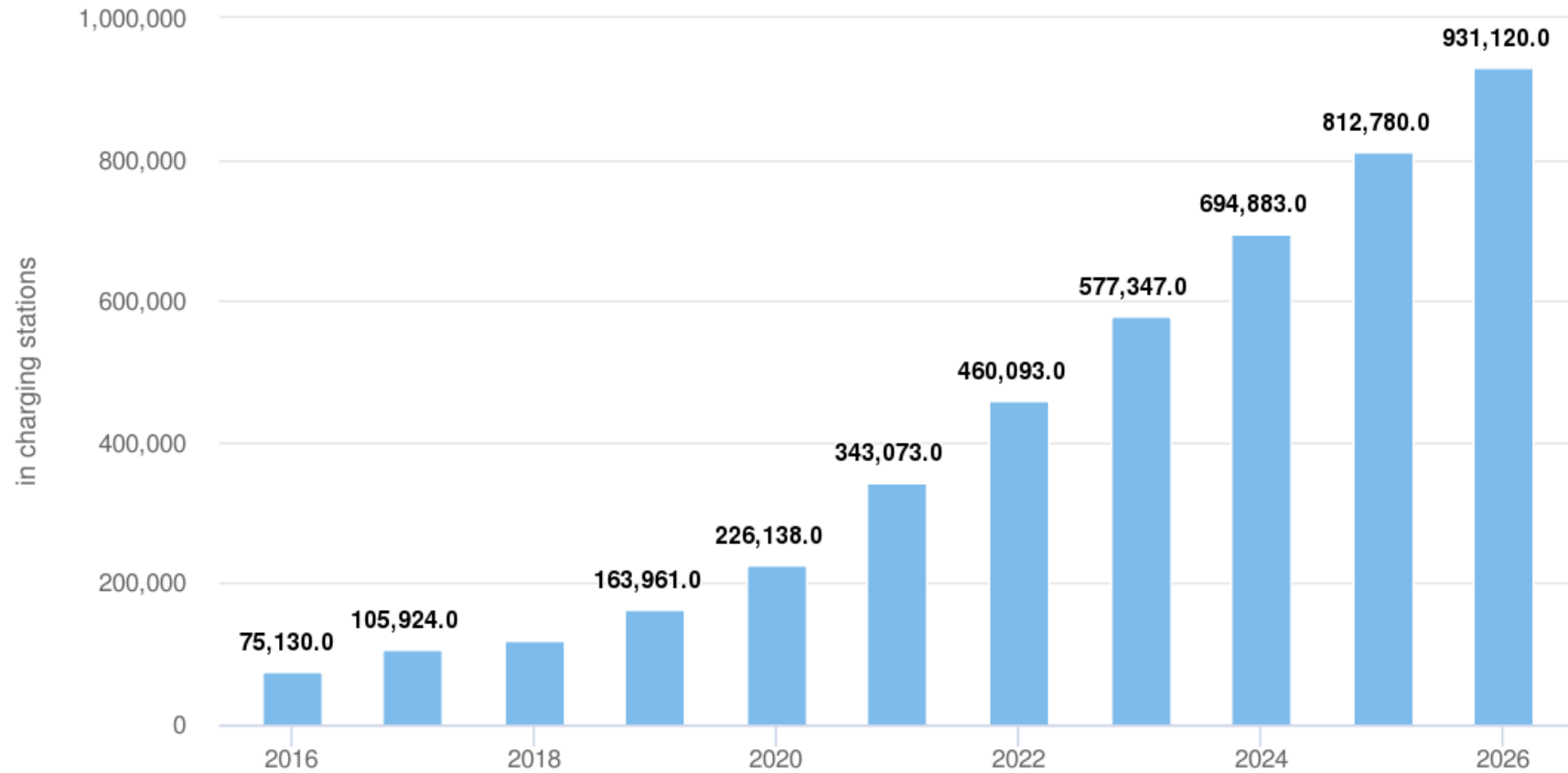
EU-27 - Croatia (thousand vehicles)



Source: Statista

Electric Vehicles - Charging Stations

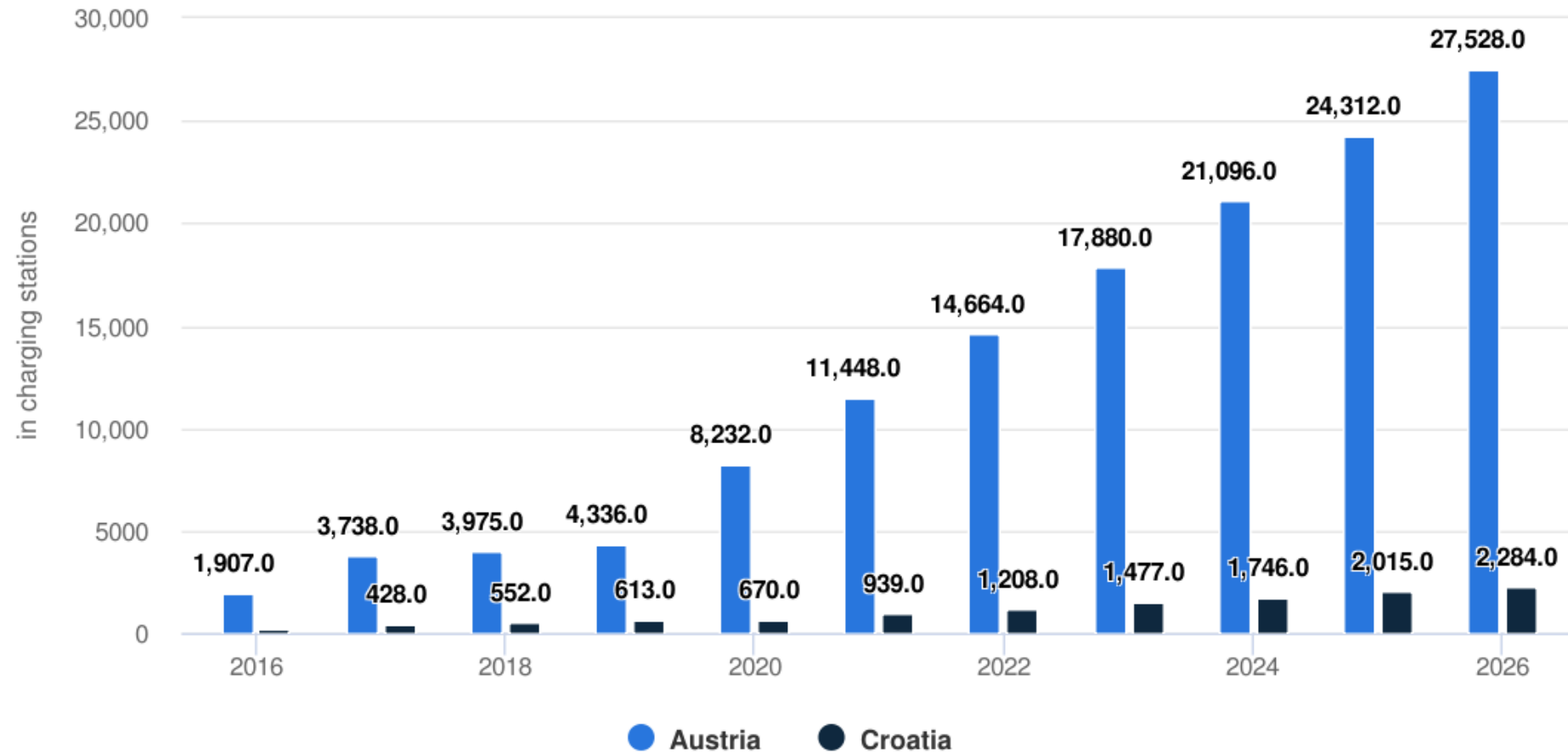
EU-27 (charging stations)



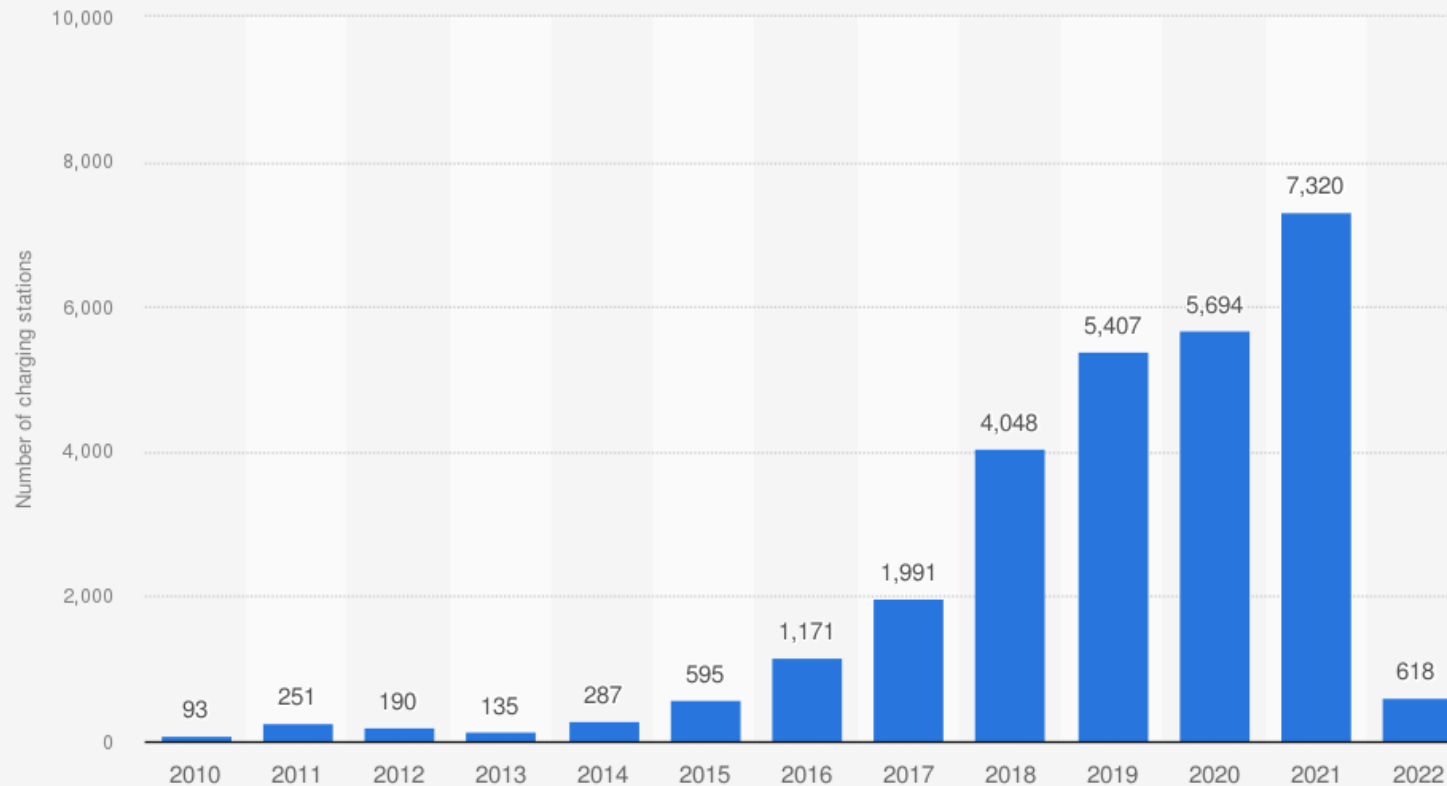
Source: Statista

Electric Vehicles - (Charging Stations)

Austria - Croatia (charging stations)



Number of newly activated public charging stations for electric cars in Germany from 2010 to 2022

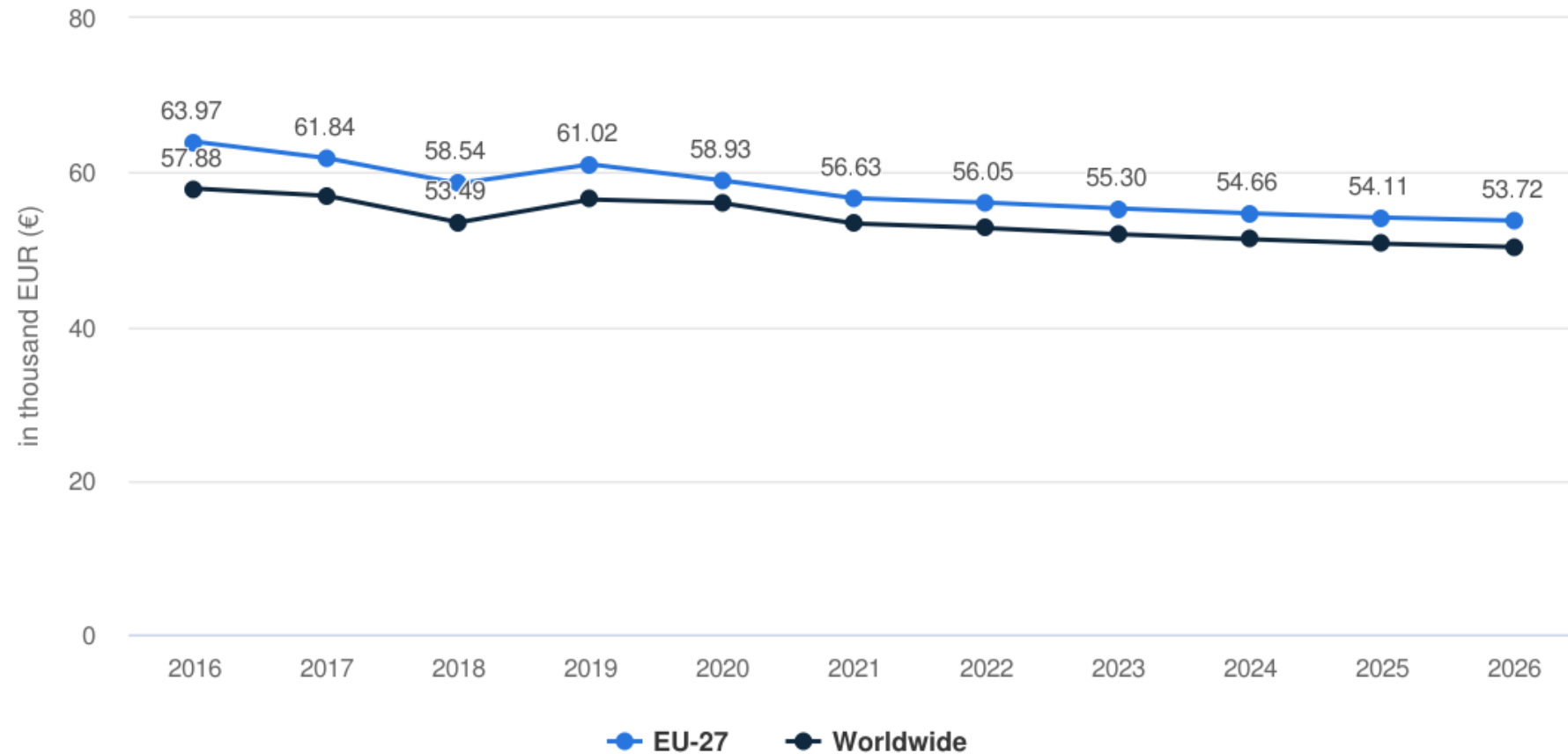


Source
Bundesnetzagentur
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Additional Information:
Germany; As of March 1, 2022; date of first activation

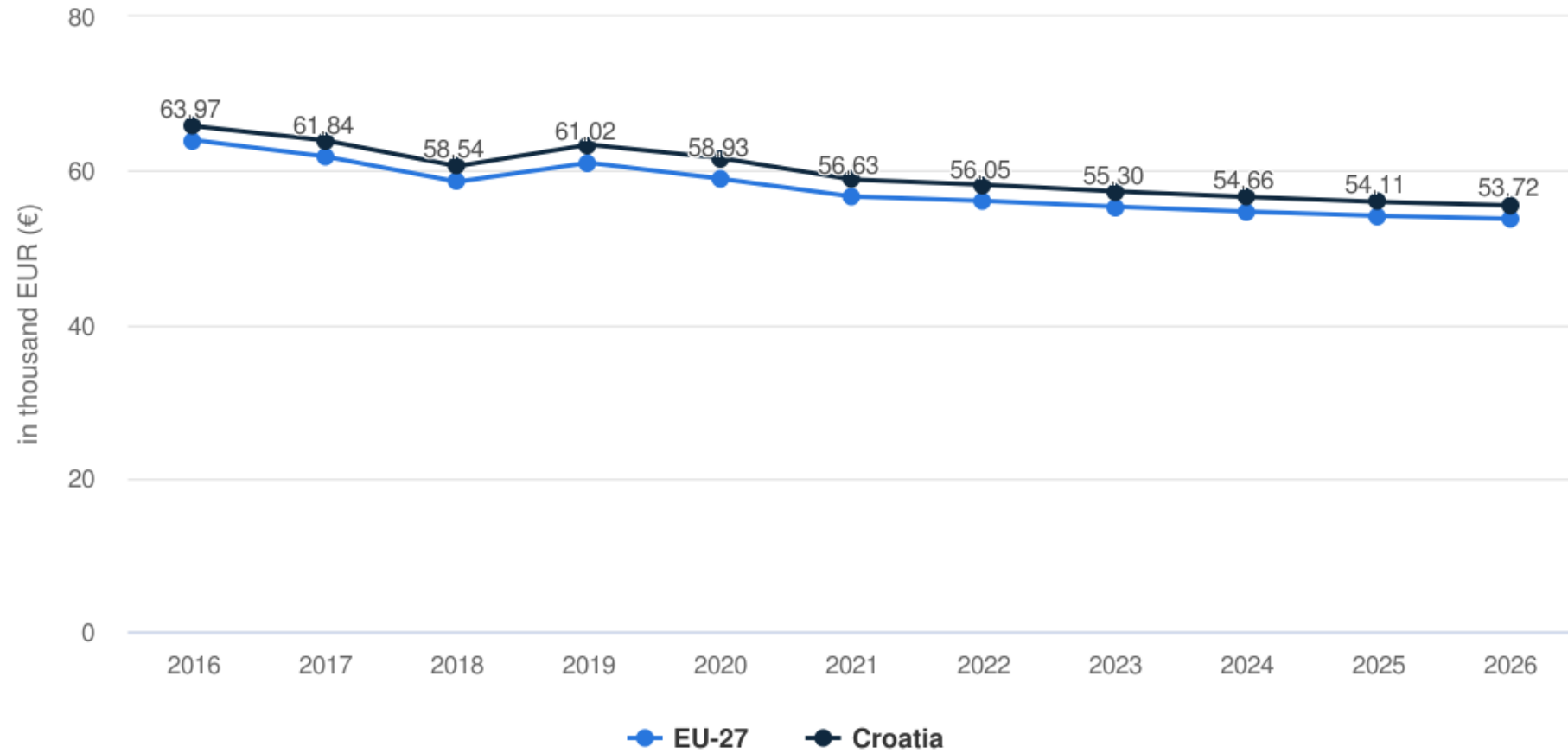
Electric Vehicles - (Average Electric Vehicles Price)

EU-27 - Worldwide (thousand EUR (€))



Electric Vehicles - (Average Electric Vehicles Price)

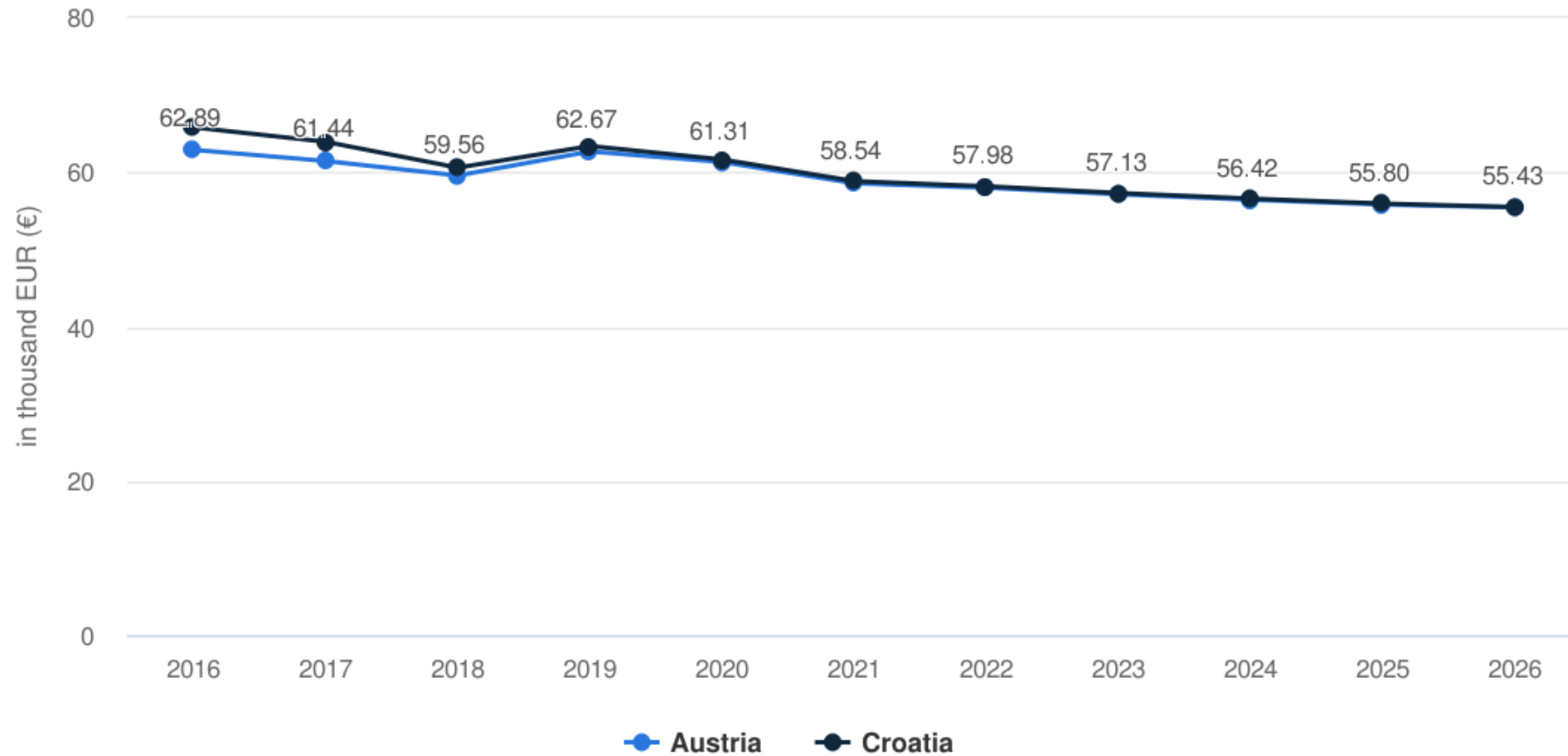
EU-27 - Croatia (thousand EUR (€))



Source: Statista

Electric Vehicles - (Average Electric Vehicles Price)

Austria - Croatia (thousand EUR (€))



Neki zaključci, poticaji za razmišljanje i raspravu

- Razvoj infrastrukture javnih punionica
- Pametno punjenje (smart charging): javno i privatno
- Tarife, programi vjernosti, korisnički paketi po uzoru na telekom
- Utjecaj cijene vozila
 - Sustav poticaja za kupovinu novih vozila
 - Beneficije za vlasnike (osiguranje, cestarina na autocestama, parkiranje u garažama, itd.)
 - Promjena paradigme posjedovanja prema korištenju prema potrebi
 - Javni prijevoz (također potrebna elektrifikacija)