GLOBAL ELECTRIC VECHICES SALES ANALYSIS

Total EV Value

5.41bn

value

0.00 — 440,000,000.00

year: All

category: All

mode: All

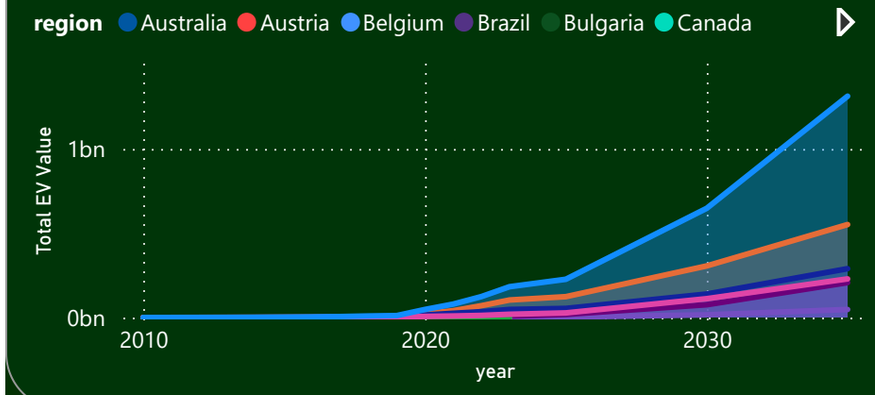
powertrain: All

unit: All

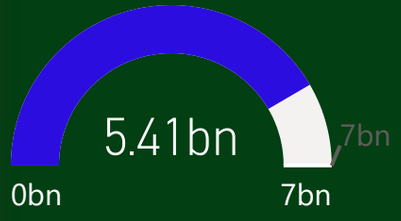
region: All

parameter: All

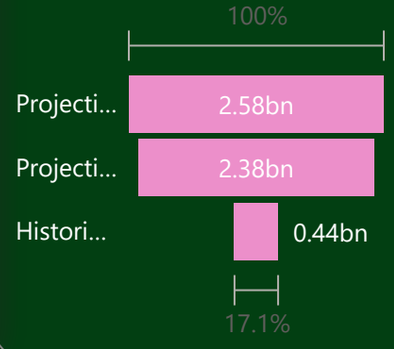
Total EV Value by year and region



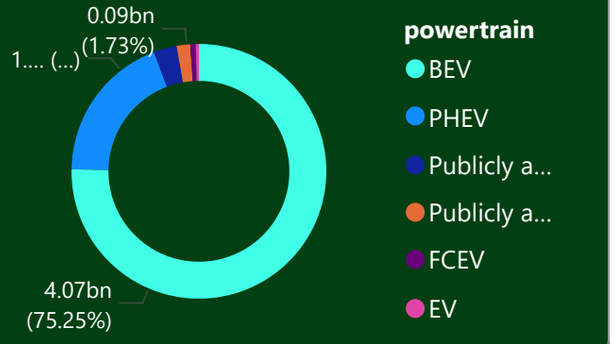
Total EV Value, minimum, maximum and EV Target



Total EV Value by category

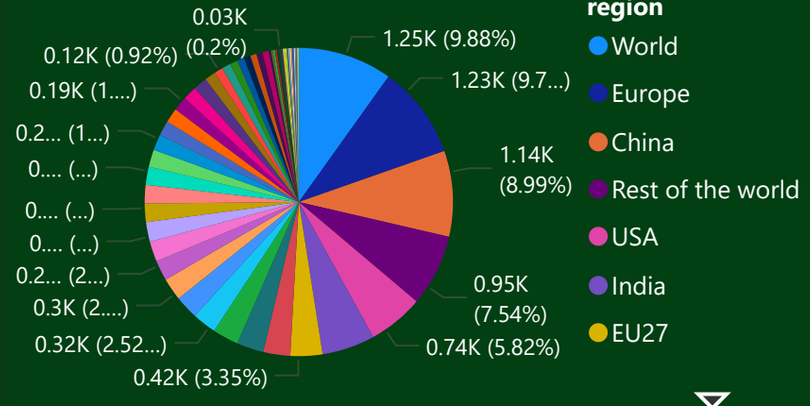


EV by Powertrain by powertrain

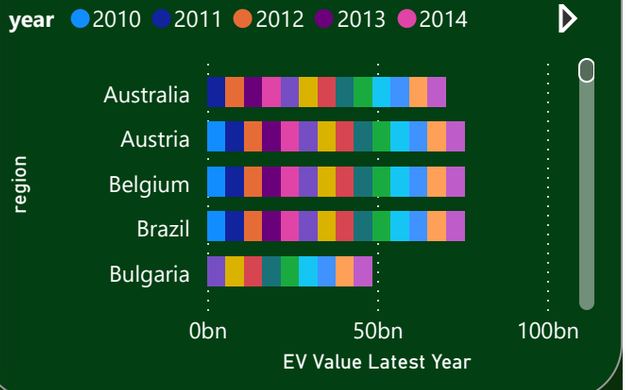


region	Historical	Projection-APS
Australia	591,719.10	
Austria	915,669.71	
Belgium	1,791,752.52	
Brazil	273,233.83	
Bulgaria	4,636.79	
Canada	2,527,226.36	
Total	**441,564,108.51**	**2,582,668,793.66**

Count of Region Type by region



EV Value Latest Year by region and year



📊 EV Adoption by Region & Category

🧠 Insights

1. Total EV Value Reached 5.41 Billion Units : Global EV stock stands at 5.41B units, showing substantial growth.

2. EV Market Is 77% Toward Its Global Target : Gauge shows EV growth nearing 7B target — ~77% achieved.

3. Post-2018 Shows Rapid Growth Across All Regions : Line chart reveals major acceleration in EV value since 2018.

4. BEVs Dominate the Powertrain Mix at 53% : BEVs have over half of the **EV share**; **PHEV**s and others lag behind.

5. Future EV Market to Be ~6x Larger Than Historical : EV stock is projected to jump from 0.44B to 2.58B in coming years.

6. Emerging Regions Like Brazil, Belgium Are Catching Up : Bar charts and tables show new regions with growing EV footprints.

7. China, Europe, and India Lead in EV Contributions : Pie chart highlights top contributors to global EV stock.

💡 Interpretations

1. The EV market is rapidly maturing and moving closer to global saturation levels.

2. The industry is firmly in the scaling phase, not early adoption.

3. This signals a clear shift from policy-driven pilots to market-driven adoption.

4. Battery-only vehicles are becoming the global standard —infrastructure must align.

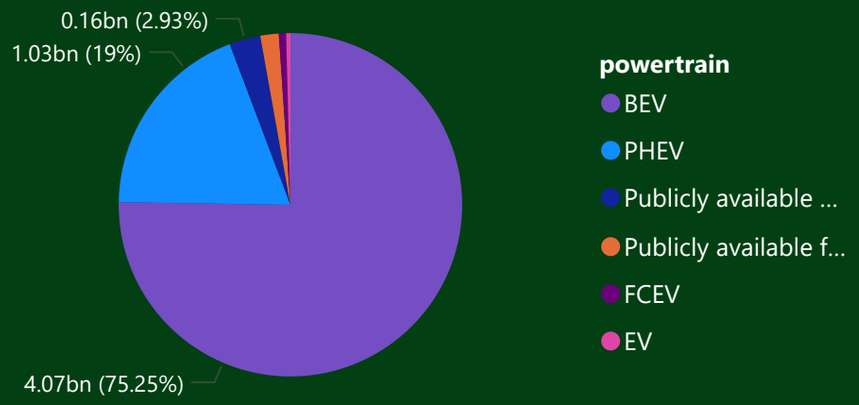
5. Unrealized demand is massive; the market is in early exponential growth.

6. Strategic focus must expand beyond traditional markets like China and the US.

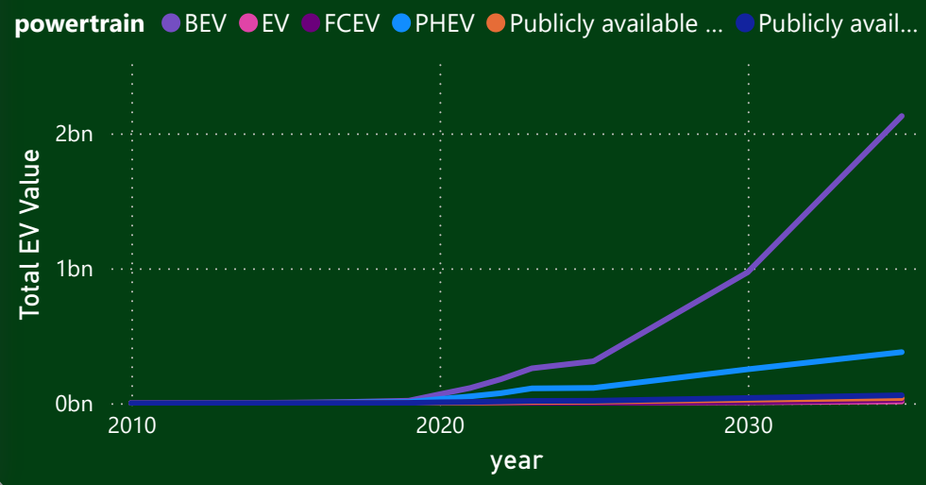
7. Global leadership is shifting from just developed nations to shared dominance.

Powertrain & Transport Mode Trends

Total EV Value by powertrain



Total EV Value by year and powertrain



mode

All

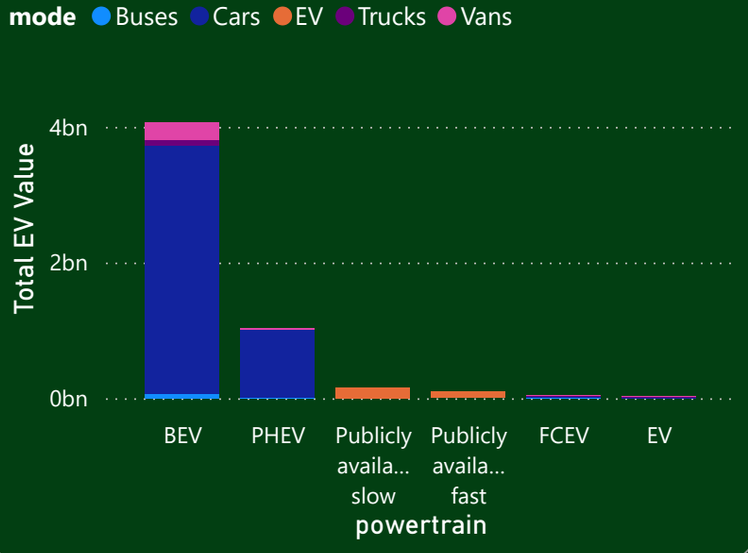
year

2010 2035

powertrain

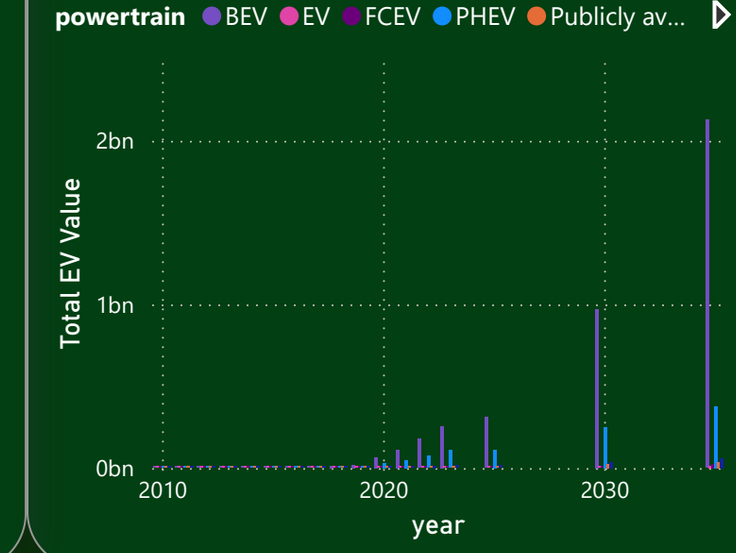
All

Total EV Value by powertrain and mode



region	BEV	EV
Australia	447,468.00	26.10
Austria	640,690.00	101.71
Belgium	636,464.00	273.52
Brazil	100,018.00	11.43
Bulgaria	3,834.00	13.79
Canada	1,586,365.80	109.56
Chile	8,295.00	1.73
China	924,200,256.00	3,437,573.86
Colombia	8,099.00	8.57
Total	**4,069,283,315.00**	**21,696,689.04**

Total EV Value by year and powertrain



📊 Powertrain & Transport Mode Trends

🧠 Insights

1. BEVs Dominate Global Powertrain Share : BEVs account for over 53% of global EVs, far ahead of PHEVs and FCEVs.

2. Powertrain Growth Accelerated After 2020 : Line chart shows BEV and PHEV adoption rose sharply post-2020.

3. Cars Lead Powertrain Adoption Across Modes : Cars show the highest EV value across powertrain types, followed by buses.

4. BEV Growth Strong in Countries Like China & Canada : Table shows China leads in both BEV and overall EV value, followed by Canada and Belgium.

5. 2020–2025 Sees Major Powertrain Shift : Second line chart confirms a dramatic shift in EV values by powertrain between 2020–2025.

💡 Interpretations

1. Battery Electric Vehicles are the global standard. EV ecosystems should prioritize BEV infrastructure.

2. EV technology reached market tipping points — policy + price made EVs mainstream.

3. Passenger EVs remain the core market. Commercial vehicle electrification is next.

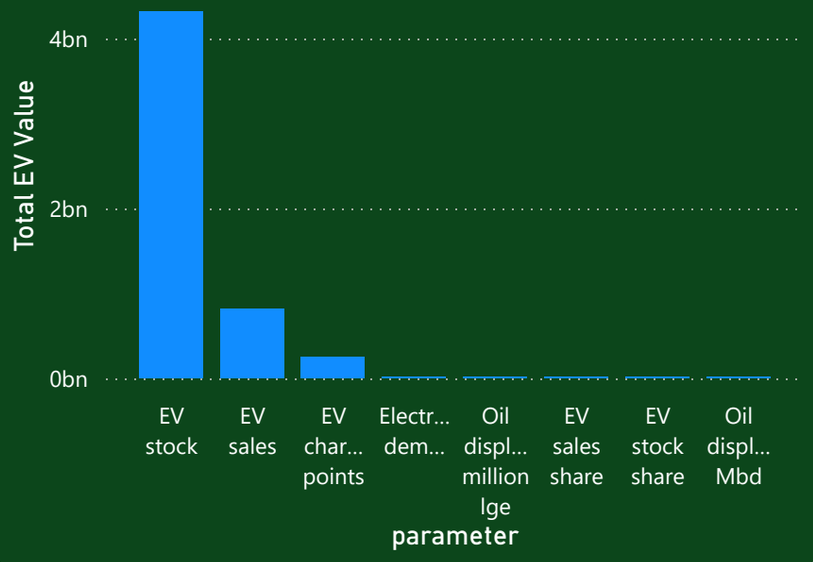
4. China remains the largest BEV adopter. Other regions are scaling fast — localized policy works.

5. The current decade is pivotal for powertrain transformation. PHEVs may decline as BEVs rise.

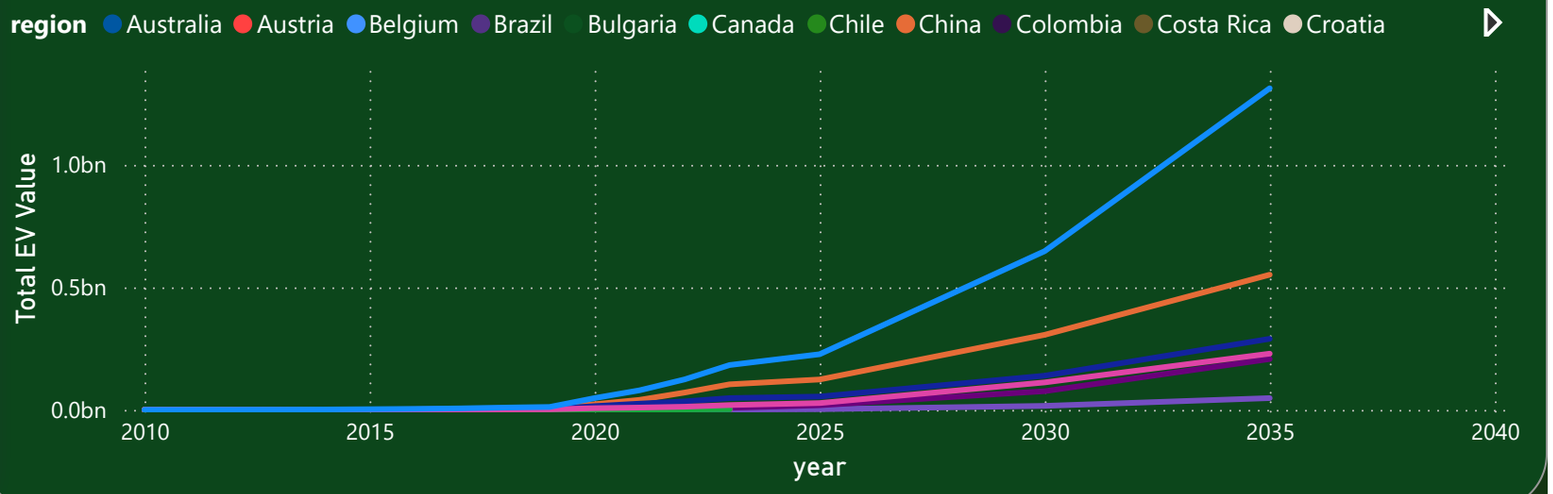
Parameter & Unit Exploration

parameter: All | unit: All | region: All | mode: All

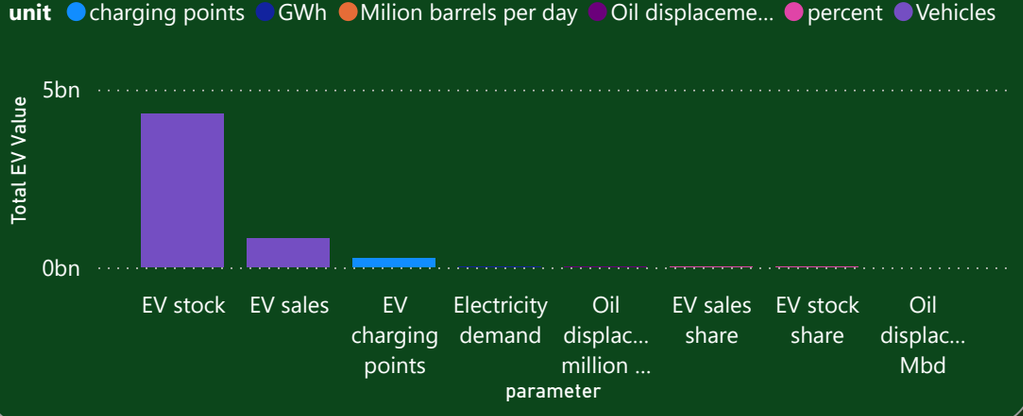
Total EV Value by parameter



Total EV Value by year and region



Total EV Value by parameter and unit



parameter	region	Total EV Value
Oil displacement, million lge	China	838,235.63
Oil displacement, million lge	Europe	500,326.40
Oil displacement, million lge	India	64,917.91
Oil displacement, million lge	Rest of the world	395,896.71
Oil displacement, million lge	USA	666,962.40
Oil displacement, million lge	World	2,467,451.20
Total		5,407,992,791.44

📊 Parameter & Unit Exploration

🧠 Insights

1. EV Stock Dominates Parameter Reporting : The highest EV value is for the **'stock'** parameter, followed by sales and energy use.

2. Oil Displacement Gains Visibility : Oil displacement (measured in million LGE) appears frequently across regions like **China, USA**, and **India**.

3. Clear Region-Wise Growth Trends : Line chart shows steep growth post-**2020**, especially for **China**, **Colombia**, and **Croatia**.

4. Electricity Demand & Charging Points Lag in Volume : Parameters like charging points and **electricity** demand have low reported values.

5. Unit Consistency Across Parameters : Units like million **LGE**, vehicles, and % share are tied to distinct parameter types

💡 Interpretations

1. Stock is the primary indicator of EV adoption. Future analysis should track this consistently.

2. EVs are contributing to tangible fossil fuel reductions —key for climate goals.

3. Emerging economies are now accelerating EV deployment —policies and infrastructure are aligning.

4. These areas need more data and investment to support future EV infrastructure.

5. Standardized units enhance data quality — important for comparisons across countries and timelines.

Time Series & Comparative Analysis

region: All

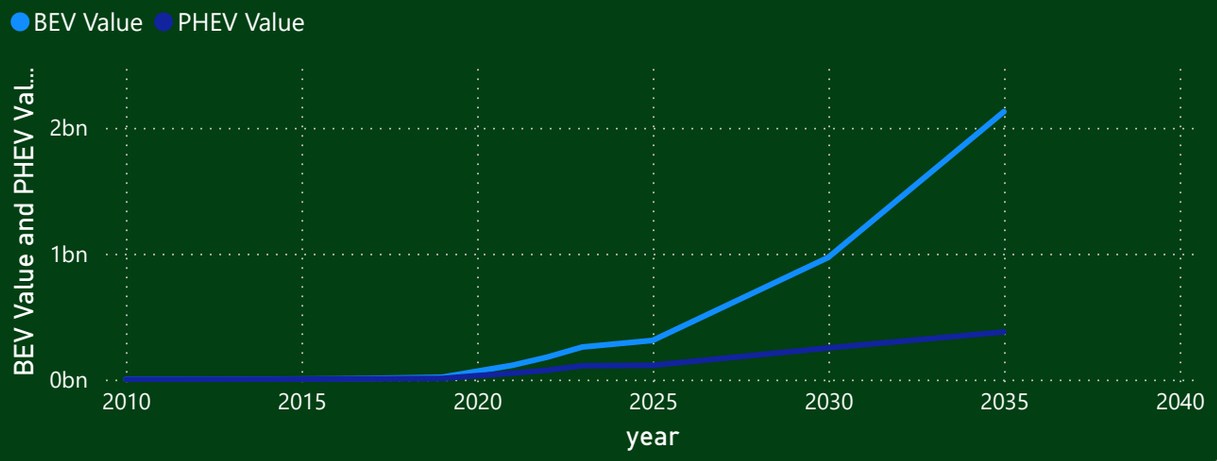
powertrain: All

category: All

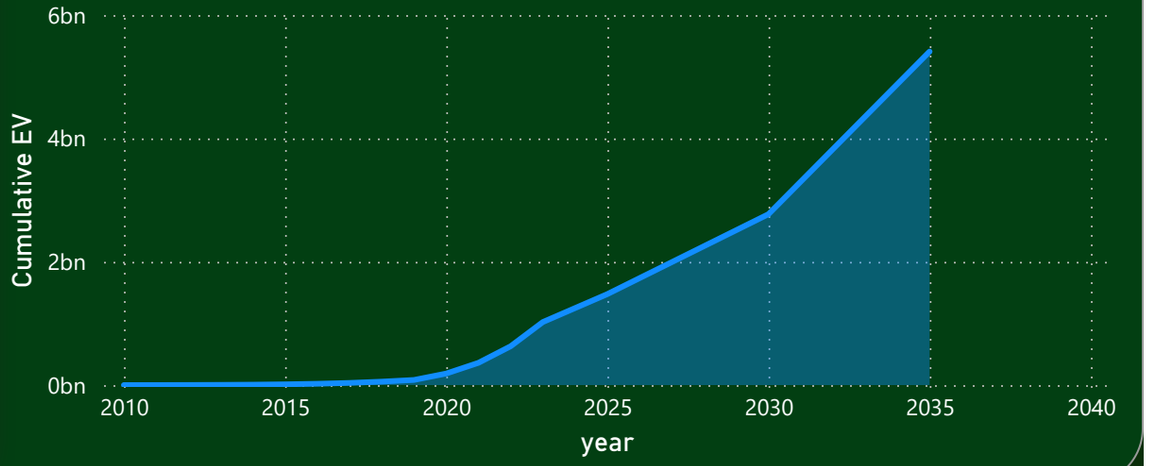
parameter: All

year: 2010 – 2035

BEV Value and PHEV Value by year

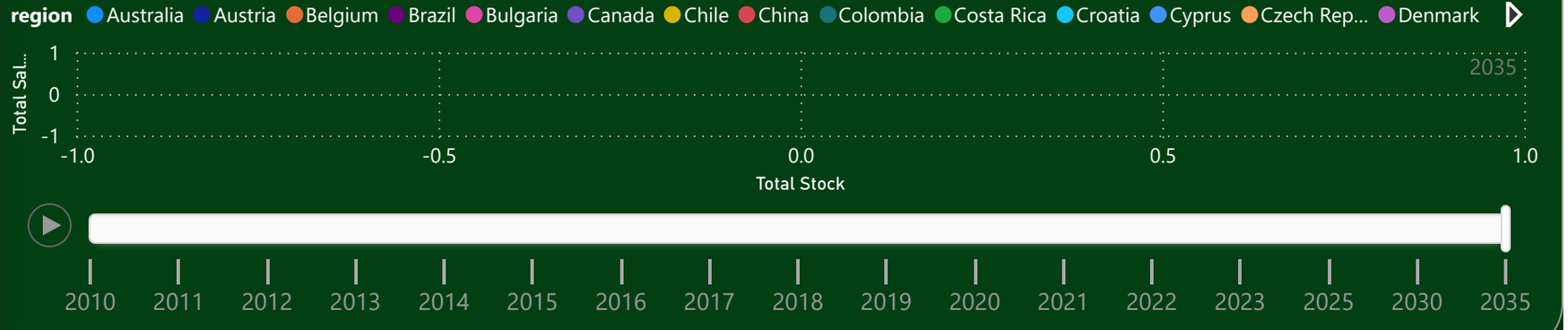


Cumulative EV by year



region	Last 5 Year Trend
Australia	549,948.63
Austria	816,154.85
Belgium	1,627,052.50
Brazil	269,431.72
Bulgaria	4,279.67
Canada	2,211,733.82
Total	**2,637,278,600.34**

Total Stock, Total Sales and Average of year by region and year



📊 Time Series & Comparative Analysis

🧠 Insights

1. BEV Growth Outpaces PHEV Over Time : BEVs show consistently higher and **faster growth than PHEVs** across all years.

2. Cumulative EV Adoption Is Exponential : Cumulative EV value shows exponential growth, particularly **after 2020**.

3. Top 5-Year Trend: Belgium and Austria Lead : In the last 5 years, **Belgium** and **Austria** show the highest EV value increases.

4. Stock & Sales Data Peaks Around 2030 : Bar chart shows projected peak growth in stock and sales by 2030 across most regions.

💡 Interpretation:

1. The market is shifting strongly toward battery-only electric vehicles. **PHEVs** may decline in relevance.

2. Global adoption is no longer linear — we are in a **mass-scaling phase**.

3. These nations are emerging **EV leaders** — regional policies are clearly working.

4. EV expansion will reach its **peak** in the next **5–7 years.** Planning for infrastructure should align accordingly.