

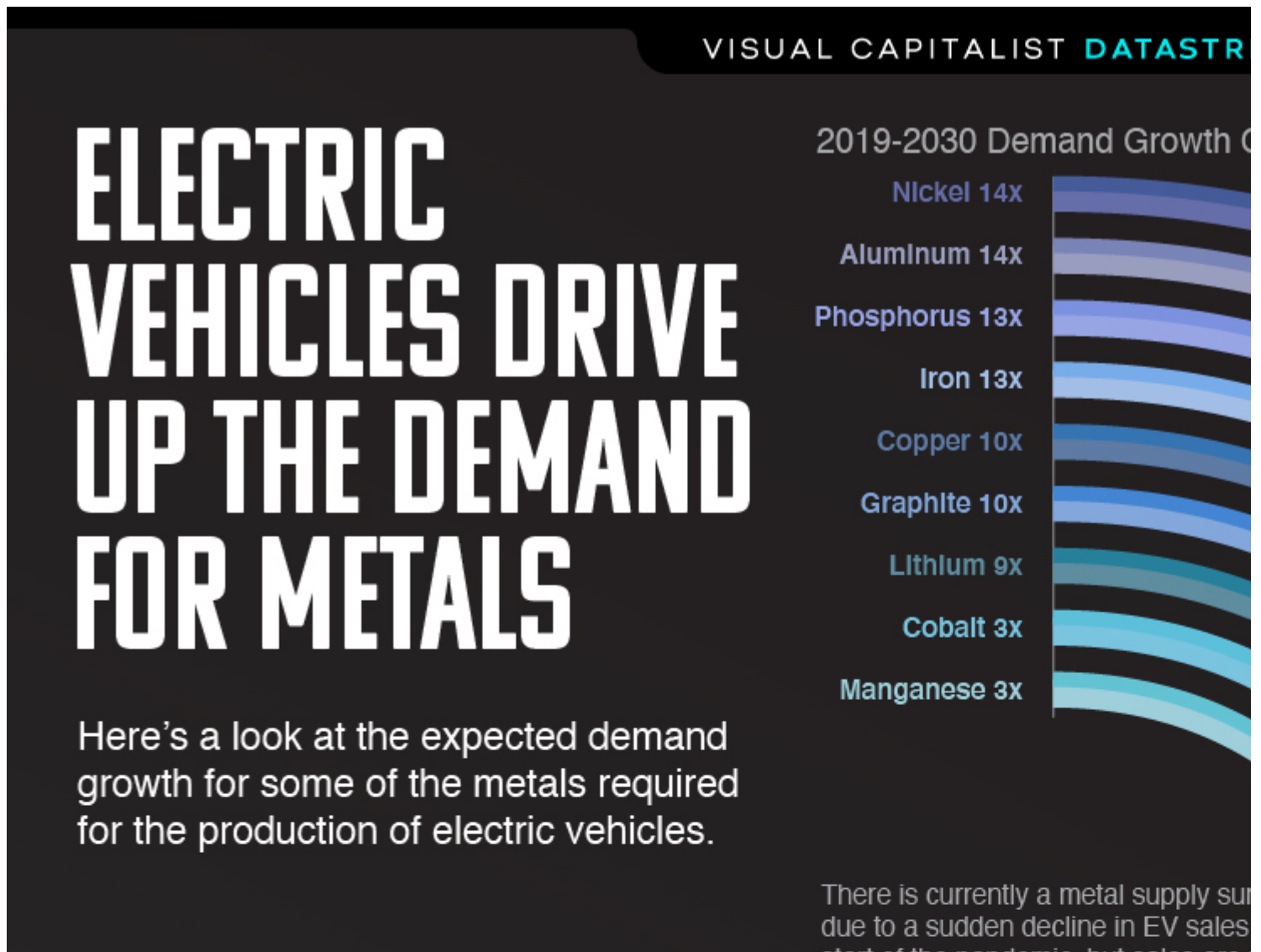


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# Electric Vehicles Drive up Met



Published 8 months ago on February 1, 2021

By **Avery Koop**

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## The Briefing

- Electric vehicle sales were down **25%** at the start of the pandemic but demand is bouncing back
- Demand growth from the EV industry is expected to increase as much as **14x** by 2030 for certain key metals used in EV production

# Electric Vehicles Drive up Metals Demand

Electric vehicle (EV) sales were abruptly interrupted in 2020 due to COVID-19.

However, the consumer base for these cars isn’t going away any time soon. EVs are becoming increasingly popular thanks to higher environmental awareness, falling costs, and even improving infrastructure.

## Demand for Metals on the Rise

Demand from the EV industry for key metals is on a swift upward trajectory.

Copper, nickel, and lithium are some of the key metals required for EV battery production. As a result, demand growth for nickel from EVs is expected to increase **14 times** between 2019-2030. Lithium and copper are expected to experience a growth in demand of **9-10 times**.

Metal	Expected Demand Growth Increase to 2030 in the EV Industry
Nickel	14x
Aluminum	14x
Phosphorus	13x
Iron	13x
Copper	10x
Graphite	10x
Lithium	9x
Cobalt	3x
Manganese	3x

Many of these raw materials come from low to lower middle-income countries and are essential to their economies. For example, around **50%** of the world’s cobalt, another key material for EV manufacturing, is found in the Democratic Republic of the Congo.

Investors and mining companies stand to gain from this increased demand for EVs.

## What’s Driving Demand?

As consumer awareness increases around climate change and demand shifts away from oil and gas industry, the demand for EVs grows immensely. According to some estimates are expected to make up **over half** of all passenger vehicle sales by 2040.

Additionally, many governments have committed to the production of EVs in a bid to decrease their dependency on fossil fuels. China, for example, has a goal of having EVs up **20%** of new car sales by 2025.

Tesla is leading the momentum among manufacturers and investors clearly see the opportunity, having driven up Tesla's shares by over **1,000%** since March 2020. But the other up-and-coming players in the EV market like NIO in China, as well as traditional makers that are shifting their focus to EVs.

### Where does this data come from?

Source: Bloomberg NEF

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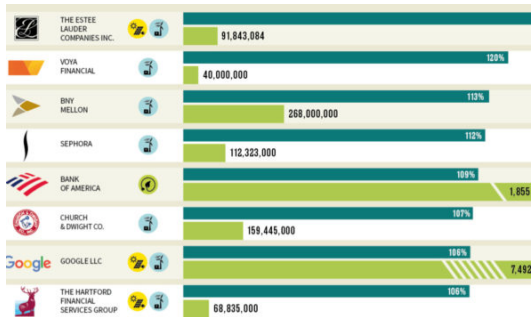
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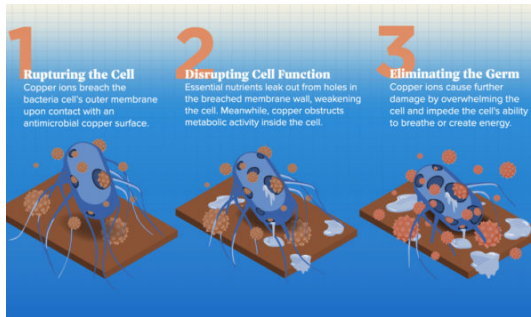
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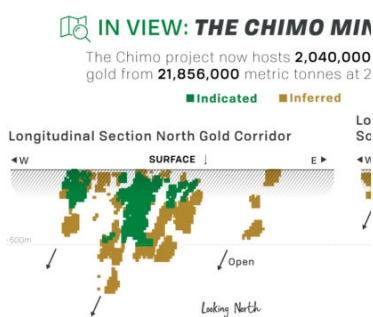
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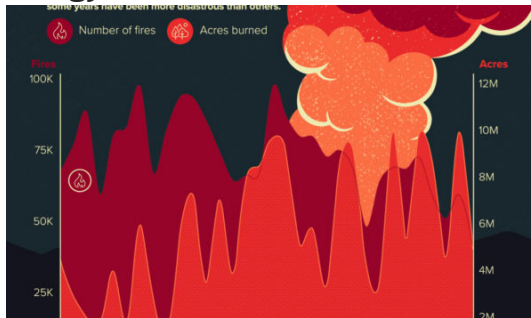
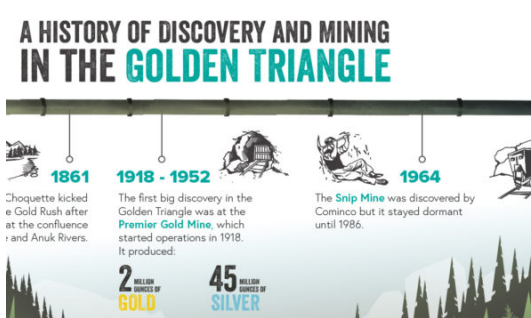
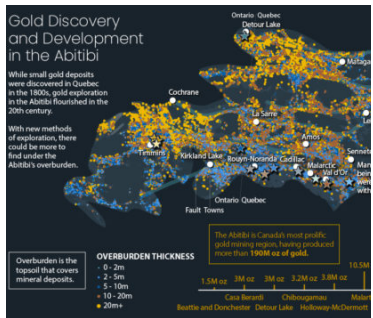


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Who are the world's richest people, and just how much money do they have? From Musk to Bernard Arnault, here are the top 10 richest.



Published 12 hours ago on September 28, 2021

By

**Carmen Ang**



## 10 Richest People on the Planet\*



\*As of September 21st, 2021. Source: Bloomberg Billionaires Index

- Elon Musk is currently the richest person in the world, with a total net worth of **\$198 billion** as of Sept 21, 2021



- Jeff Bezos comes in second place, with a net worth of **\$194 billion**

## Ranked: The Top 10 Richest People on the Planet

The top 10 richest people on the planet have a combined net worth of **\$1.4 trillion**. For some context, that's roughly the same size as Australia's GDP.

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## Chart: 30 Years of Wildfires in America

Here's a look at the number of wildfires in America that have occurred each year since 1990, and the acres of forest land scorched during that period.



Published 2 weeks ago on September 17, 2021

By **Carmen Ang**





# Total Wildland Fires and Acres

1990–2020

In the U.S., an average of 70,000 wildfires blaze through 5.8 million acres of land each year. But some years have been more disastrous than others.

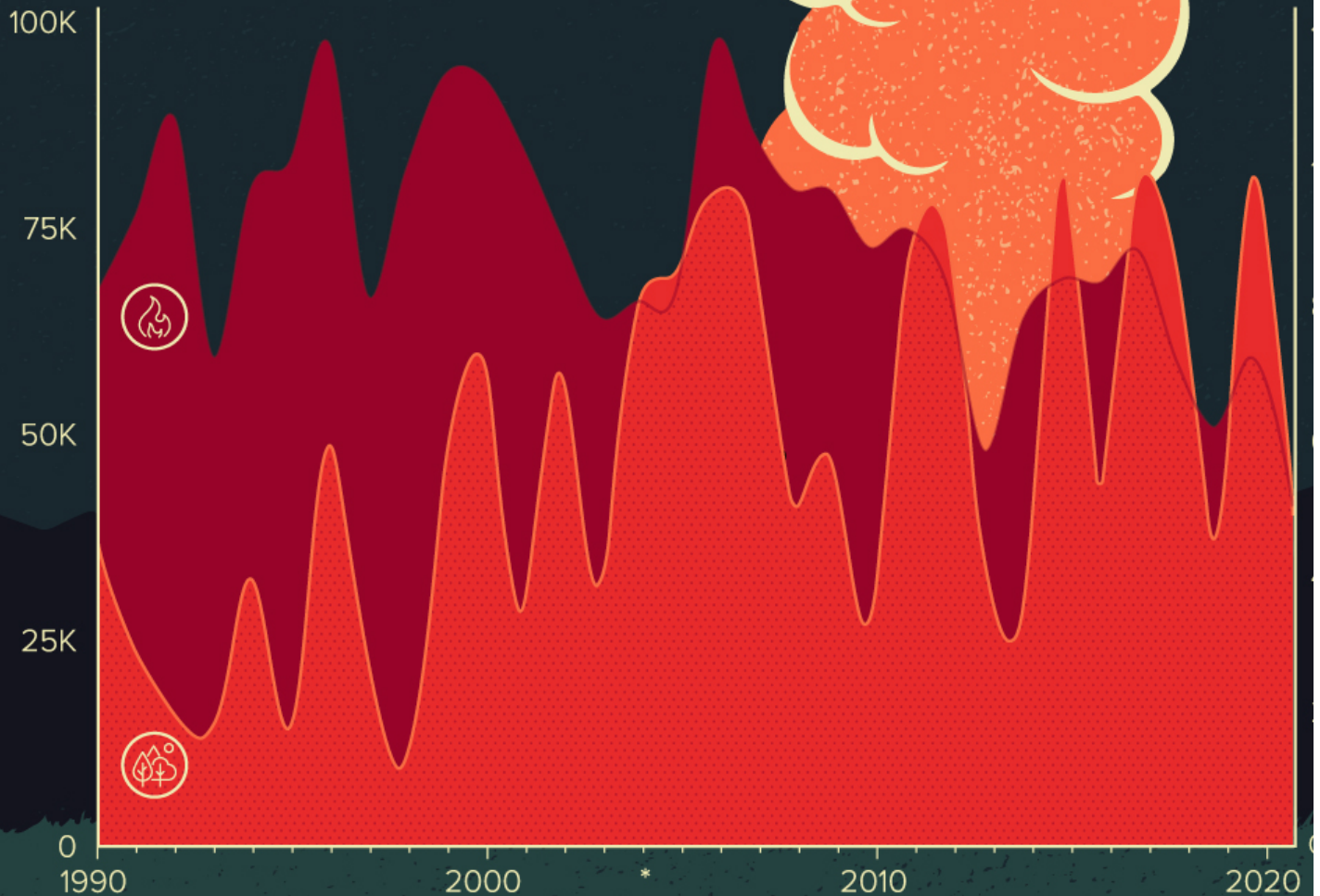


Number of fires



Acres burned

Fires



\* 2004 fires and acres do not include state lands for North Carolina

(As of 09/03/20) Source: National Interagency Fire Center

## The Briefing

- An average of **70,000** wildfires blaze through the U.S. each year

- These fires destroy approximately **5.8 million** acres of land on a yearly basis
- Over **43,000** fires have started across the U.S., burning **5 million** acres of land as of Sept 3, 2021

## 30 Years of Wildfires in America

This summer, record-breaking droughts and relentless heat waves have fueled

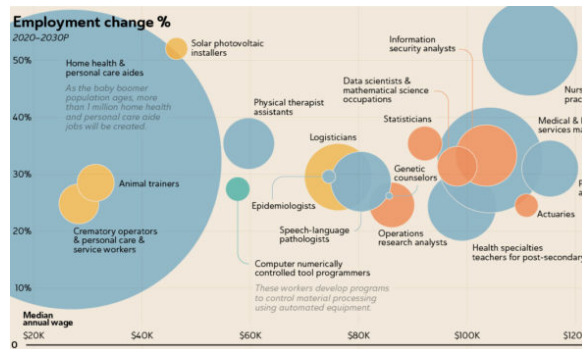
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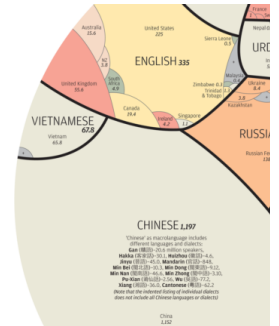
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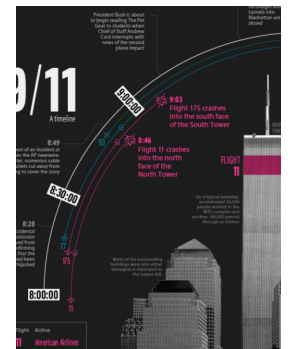
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




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