

Chart of the week

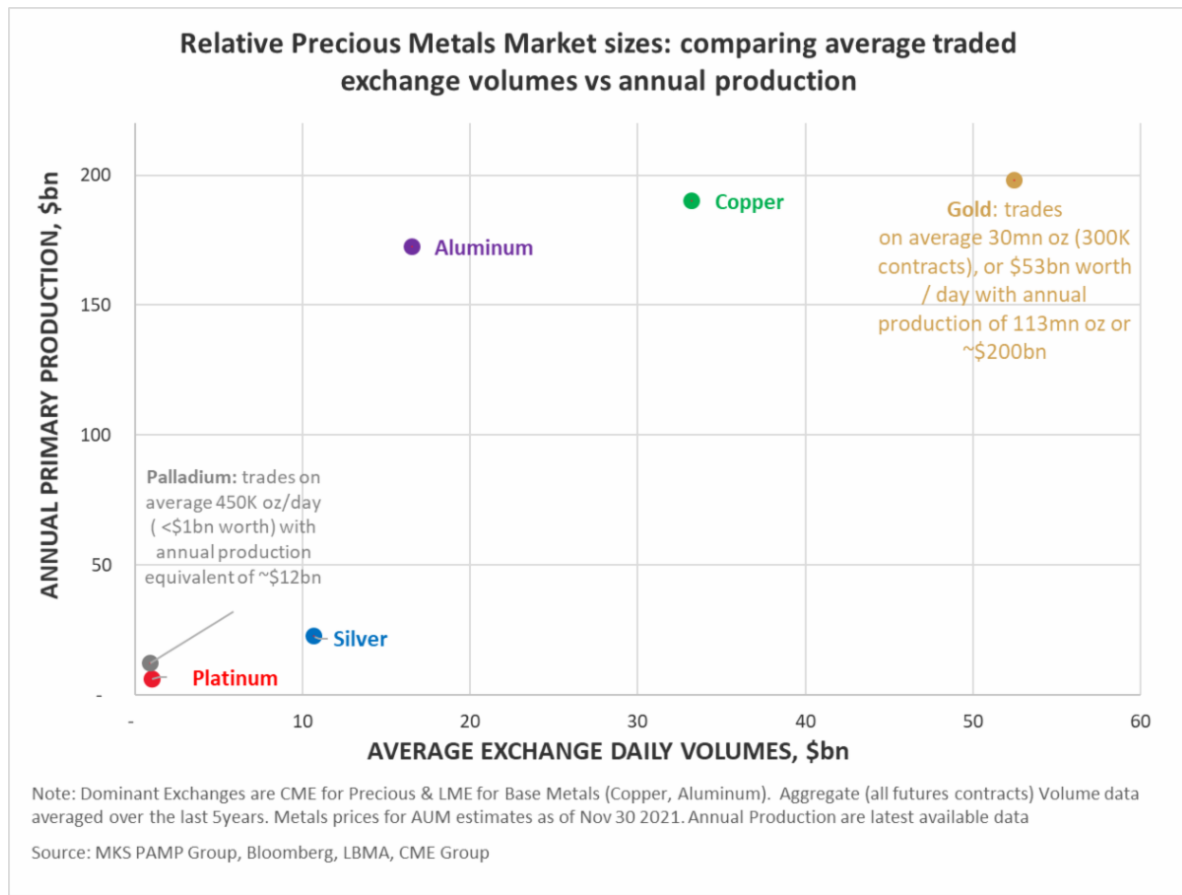


Chart of the week: gauging relative PGM market & liquidity size vs the rest (Gold, Silver, Cu & Ali)

The chart below simply visualizes the relative market size, as estimated by historical average volumes on the dominant exchange (LME, CME) vs most recent annual production figures.

Takeaways:

- It's a known known that PGMs are arguably minor metals vs Gold, Copper, but its visually pretty surprising just how much smaller they are
- PA Average daily volumes are 450K oz, or <\$1bn, which is 1/50th the size of the liquidity in Gold
- Average PA volumes are 1/12th of annual global supply.
- Average PL volumes are 1/6th of annual global supply (vs Gold, where volumes are 1/4th of annual supply)
- Sources of known PA stocks are only 650K oz (NYMEX + ETF), which is 1/10th of annual supply (vs known PL Stocks which are 5/7th of annual supply)
- Silvers volumes are 1/5th of Gold volumes and 1/3rd of Coppers volumes
- Gold & Copper have relatively similar sized annual production levels (in \$-AUM terms at ~\$200bn) but Gold is still relatively more liquid with (dominant) exchange volumes almost 1.5x larger than in Copper.
- *This is by no means a complete view, since its excludes OTC volumes (LBMA cleared stats for Precious – of which we only have Gold & Silver stats), ETF volumes and volumes on other exchanges (SHFE, SGE etc), but its provides a good proxy of relative liquidity. Full Tables/data available.*

**Approved for all external purposes*

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