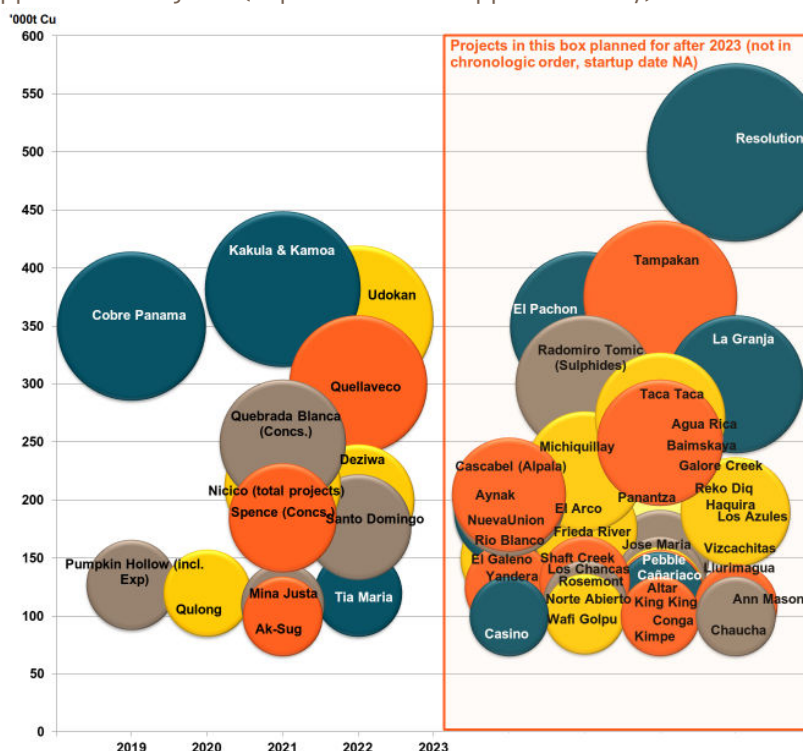


Meeting Rising Copper Demand

Date: June 2019
Data Source: International Copper Study Group (ICSG)

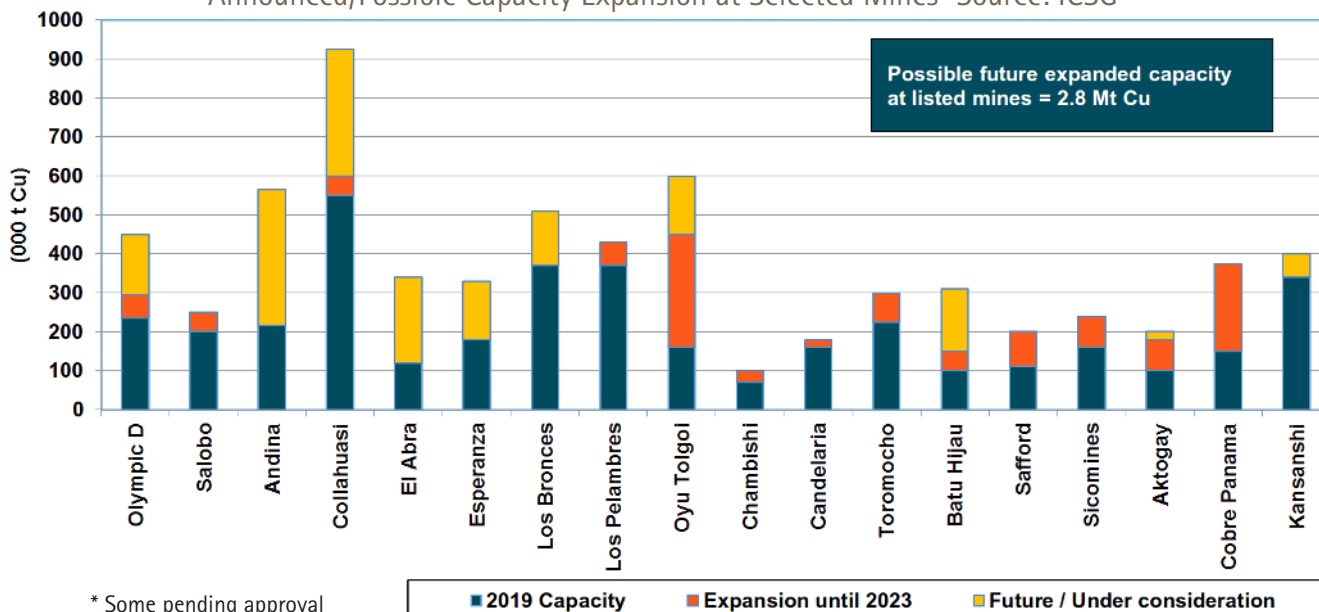
To meet rising copper demand driven by applications ranging from smart homes and electric vehicles to renewable energy sources, the industry has a dual strategy: recycling—where Europe leads, with around 50% of demand met by recycled material—and mining, which benefits from ongoing innovation to improve yields and reduce environmental impact. The capacity charts below provide an overview of new copper mining projects and expansions to existing mines.

Copper Mine Projects (cap ≥ 100 Kt of copper annually) Source: ICSG



The total annual capacity of all projects in this chart is 11 Mt. The annual capacity of other projects not shown (below 100 Kt of copper annually) is 4 Mt.

Announced/Possible Capacity Expansion at Selected Mines* Source: ICSG



* Some pending approval