# New challenges in the copper industry: Just a bump or a trend change?

Jorge Cantallopts, Executive director CESCO CEO Summit – Asia Copper Week 2022 November 24th.

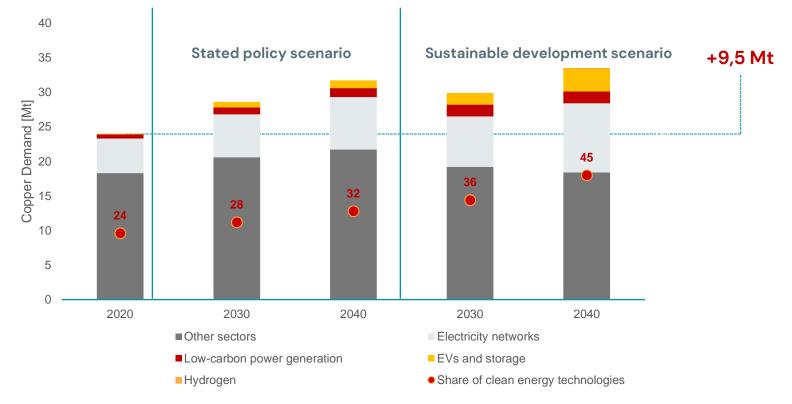
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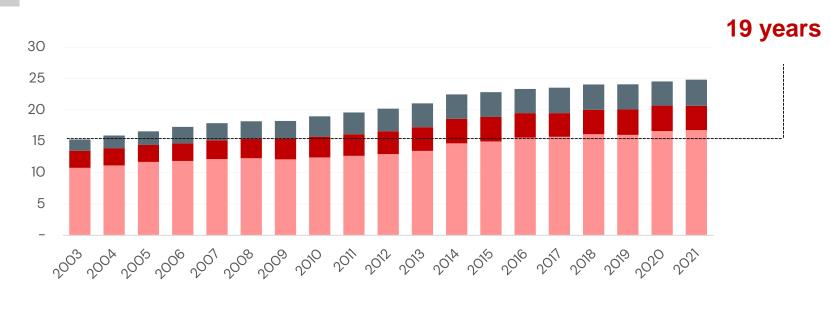
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# Total copper demand by sector and scenario, 2020-2040



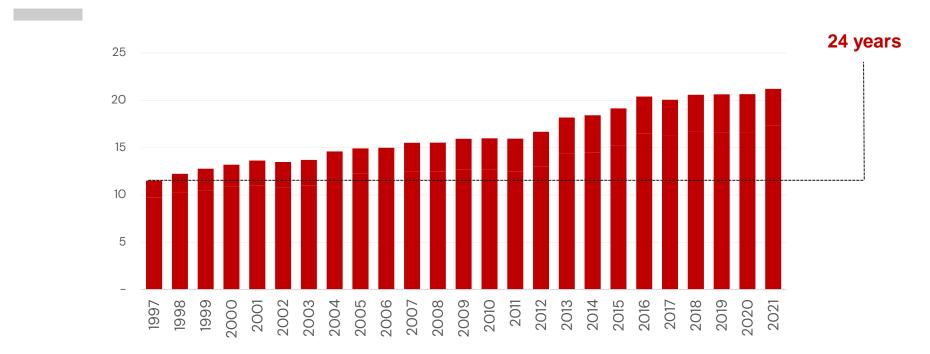
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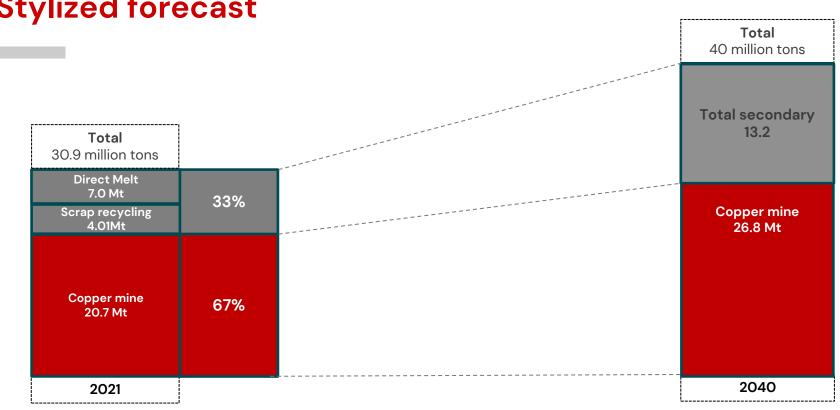
## Total refined copper supply 2003-2021



Refinery Primary Refinery SX-EW Refinery Secondary

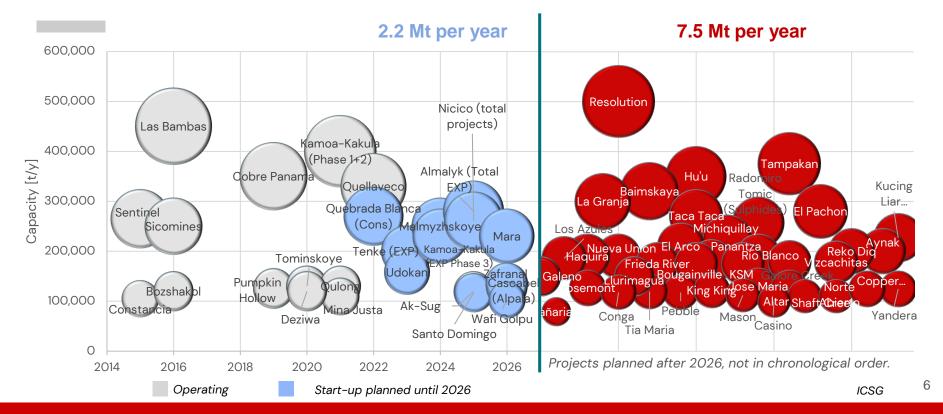
## Mine copper production 1997–2021



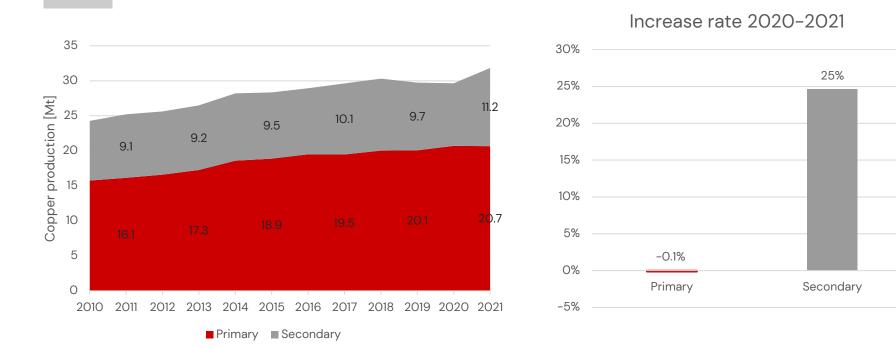


#### **Stylized forecast**

## Copper Mine projects pipeline

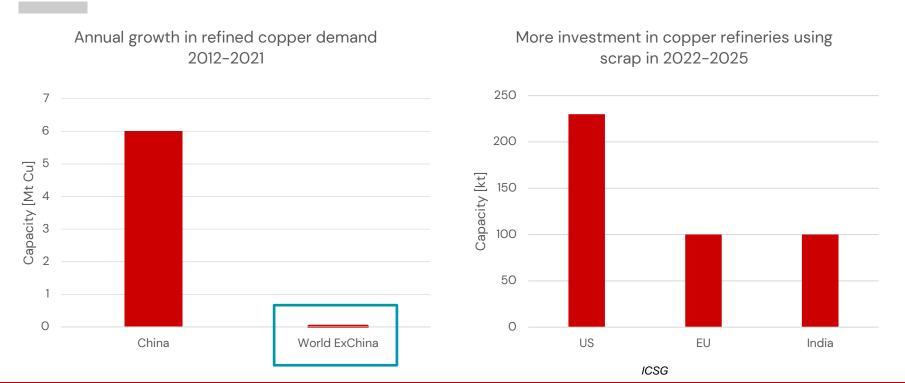


#### Copper production per **source**



ICSG

#### Growth in refined copper demand



8

## The bumps



Geopolitics conflict could interrupt globalization.



A new European energy strategy could slow down the speed of the energy transition.



A circular economy could increase the secondary supply share.



Complexity to develop a new mining project.

# European Energy Supply



Despite decarbonization targets, **coal consumption will grow** marginally to compensate for gaps in gas supplies.



More **extreme weather** events will force many countries to **fall back on fossil fuels**, delaying the energy transition.



The **energy crisis** will prompt some governments to backtrack on efforts to phase out the use of nuclear power



Nuclear power can play a major role in enabling secure transitions to low emissions energy systems.

Trends

# Circularity



From trash to treasure: Green metals from recycling.



Circular solutions can boost supply chain resilience and decarbonization.



Countries' action plans for the circular economy.



New copper scrap regulations will create new opportunities

Trends

#### New strategy



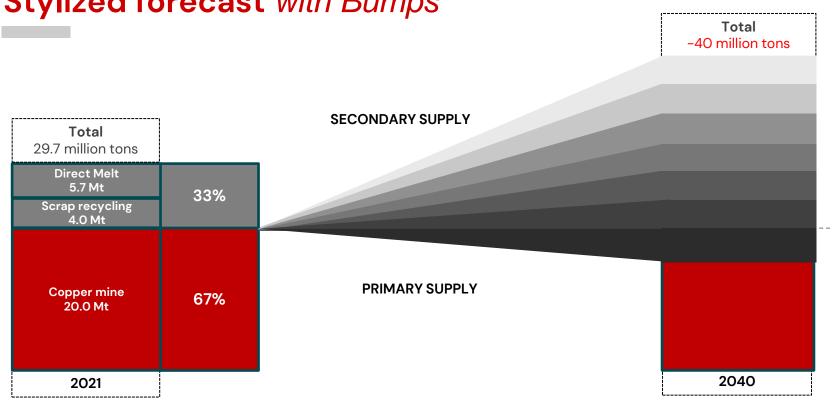
Tesla could enter the mining industry if it must.



Canada orders China to divest from the country's mining companies.



Chinese copper companies say more mining is needed to boost supply.



#### Stylized forecast with Bumps

Stylized estimation based on various sources

## **Question for the dialogue**

- Copper has a great future, but supply strategies of geopolitical blocs, advance on circular economy and complexity for new mining projects could change the participation between primary and secondary sources.
- Changes in energy strategy could change the medium-term forecast for copper demand.
- Do these changes have an impact on copper companies's strategies?

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