The global transition to a low carbon economy is mineral intensive. To achieve a 1.5°C scenario the demand for copper is estimated to grow by 12x and nickel by 16x. As part of the World Bank Group’s Climate Smart Mining Initiative, IFC’s Net Zero Roadmaps for Copper and Nickel helps mining companies decarbonize their operations and value chains in line with with Paris Agreement.

The core roadmap includes:
1. A technology transition roadmap
2. An enabling environment roadmap

The roadmap focuses on the renewable technology value chains of copper and nickel, including their -

- Exploration
- Extraction
- Processing
- Transport
- End use
- Recycling

Roadmap Highlights

1.5°C ALIGNED
CONSIDERS THE VALUE CHAIN
TECHNOLOGY FOCUSED
CONSIDERS ENABLING FACTORS
SIMPLE AND ACCESSIBLE
CONSULTATIVE
Est. delivery April 2022

World Bank Group’s Climate Smart Mining (CSM) Initiative

CSM supports the sustainable extraction, processing and recycling of minerals and metals needed to secure supply for low-carbon technologies and other critical sectors by creating shared value, delivering social, economic and environmental benefits throughout their value chain in developing and emerging economies.

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