

# Mining Corridor Infrastructure Development in PNG

## Leveraging Mining Sector and Aligning PNG and World Bank Policies for Sustainable Development

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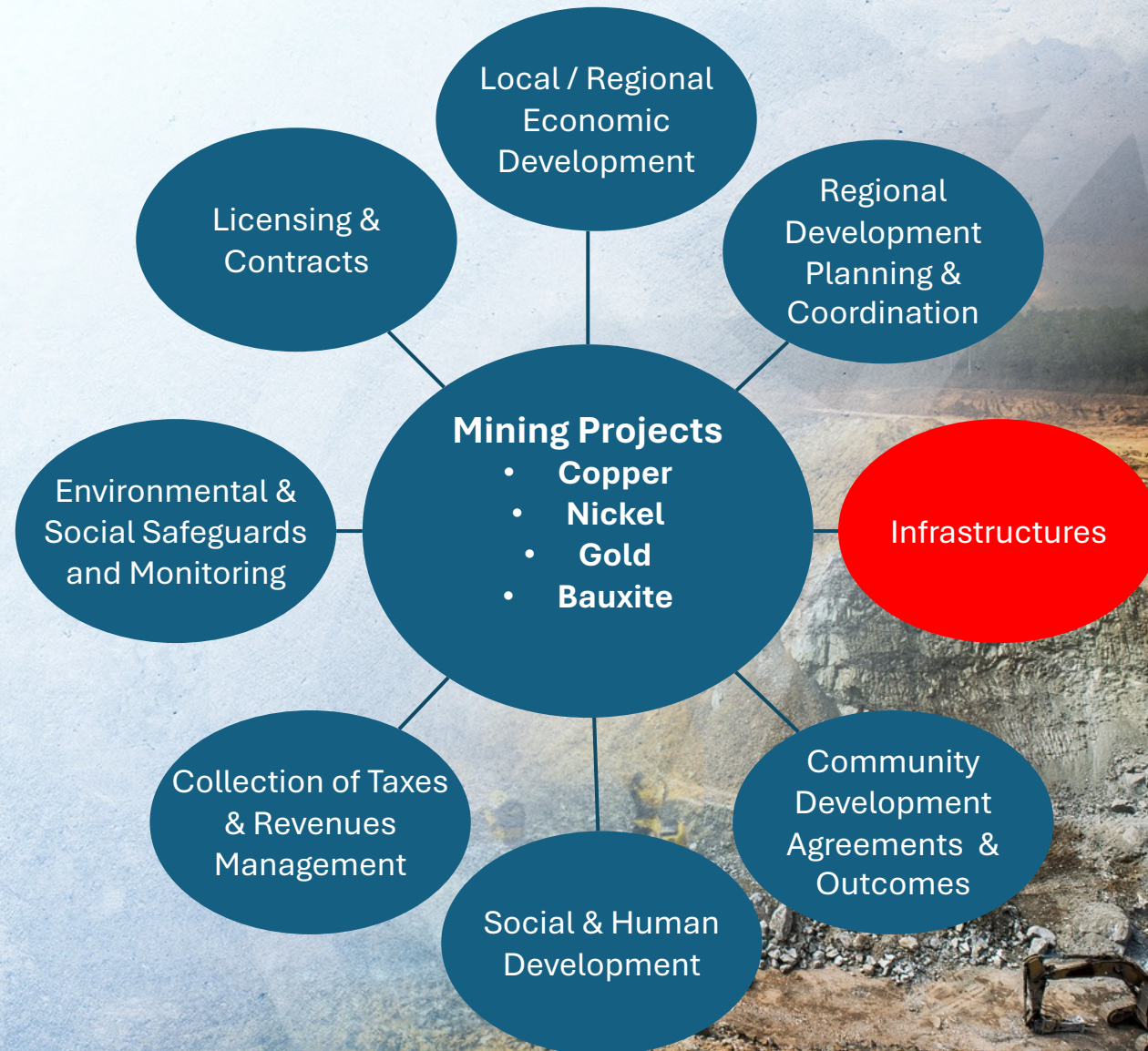
# Mining Has Linkages Across an Economy, including through infrastructures

## Objectives

- Leverage and align private and public sector investments
- Integrate with other mineral producing countries in the region (mineral processing, marketing, skills)

## Challenges

- Inter-Ministerial Coordination
- Core capacities
- Investment Risk
- Fiscal Regime
- Regulatory Environment
- Env't and Social Impacts

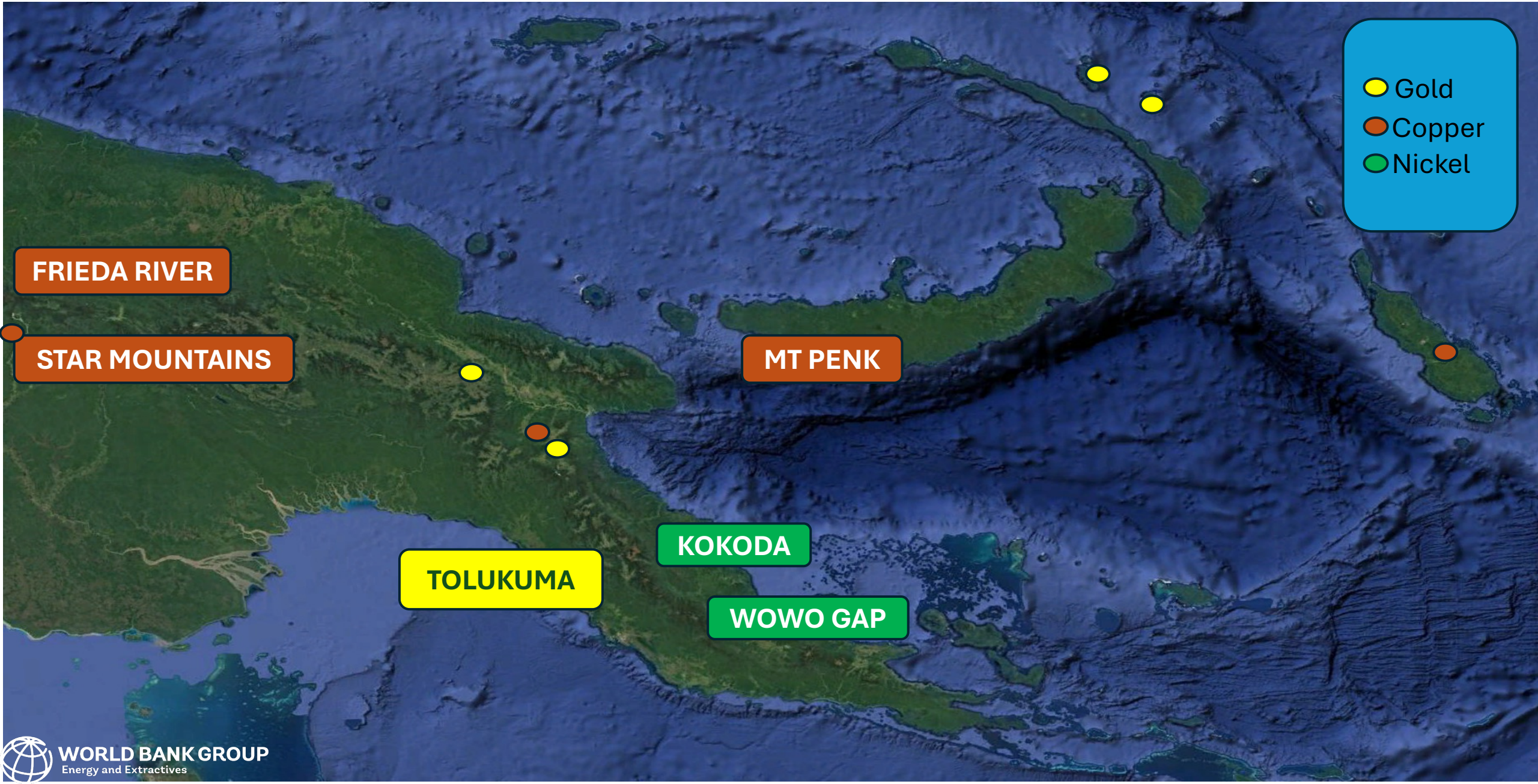


# Context

- **Excessive Infrastructure Costs**: Highlighting that initial infrastructure investments to start production can be prohibitively high.
- **Economic Uplift**: Any proposed infrastructure solution should foster economic growth in the region where it is implemented.
- **Sustainability and Climate Considerations**: Infrastructure should align with sustainable practices, prioritize low carbon emissions, and be resilient to climate change, emphasizing the role of green metals.
- **Enabling Unviable Mineral Assets**: Well-planned infrastructure in mining corridors can transform previously unviable mineral assets into productive ones.
- **Mineral Corridors**: Stressing the importance of these corridors in facilitating the movement of resources from extraction sites to markets efficiently.
- **Current Infrastructure Gaps**: Implicitly pointing to existing infrastructure limitations that must be addressed.

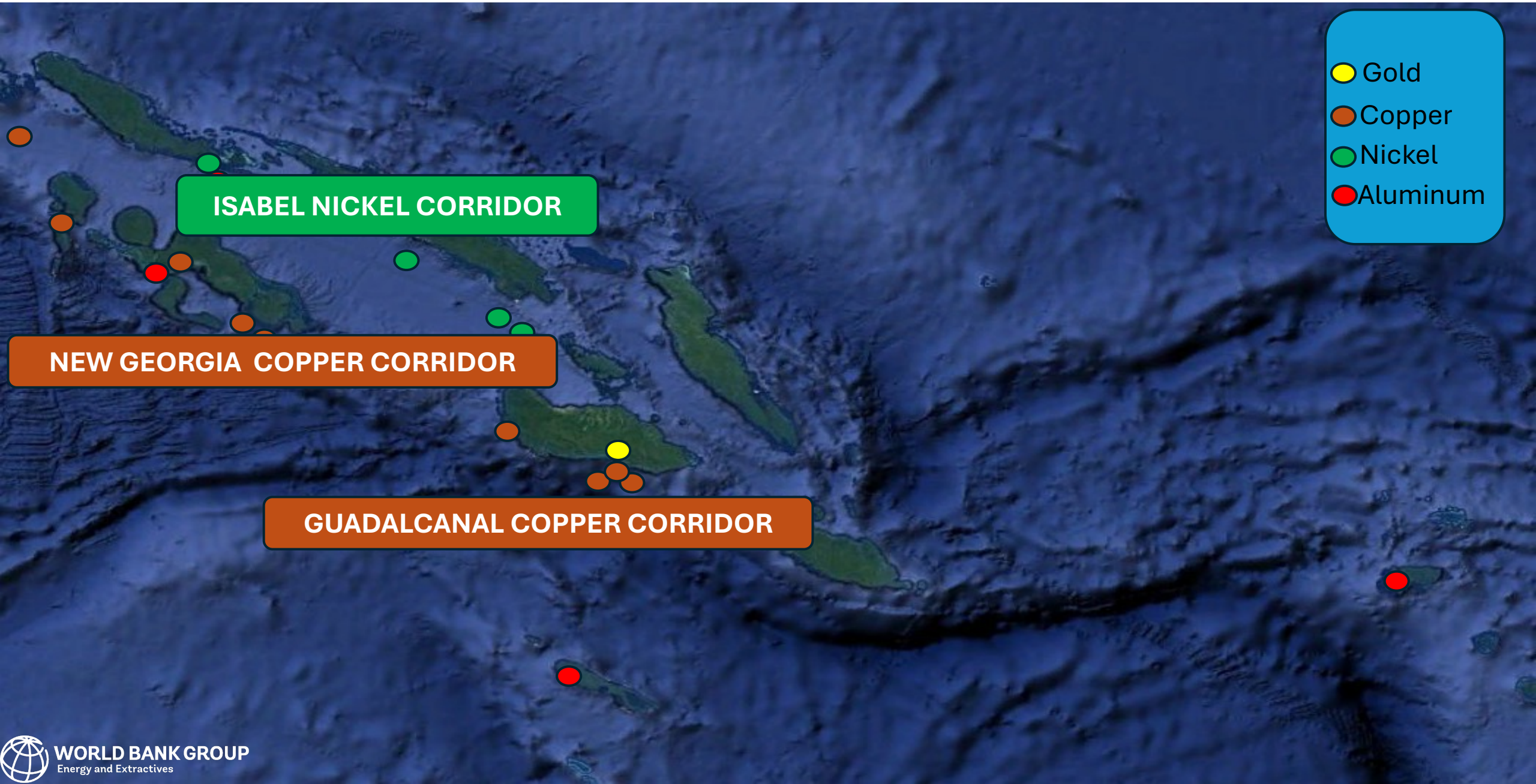


# POTENTIAL MINING CORRIDORS IN PNG



- Gold
- Copper
- Nickel

# POTENTIAL MINING CORRIDORS: SOLOMON ISLANDS



- Gold
- Copper
- Nickel
- Aluminum

ISABEL NICKEL CORRIDOR

NEW GEORGIA COPPER CORRIDOR

GUADALCANAL COPPER CORRIDOR

# Key Components of Mineral Corridor Development

- **Transport**: Climate resilient roads, seaports, and airports for mineral exports.
- **Energy**: Low carbon Power Generation and transmission for mining operations.
- **Social infrastructure**: Housing, health, and education for mining communities.
- **Digital infrastructure**: Connectivity for mines and communities.

# Potential Support from the World Bank Group

Attract Quality Investors to Known Resource Opportunities

## Conceptualization and Planning

Technical Assistance for planning and preparation

Capacity Building: Feasibility Studies

## Financing and Investment

Concessional Financing from IDA for open access public infrastructure

IFC Loans, Equity Investment, and mobilization through Partnerships

Political Risk Insurance from MIGA

## Implementation and Monitoring

Phased Development of Infrastructure

Community Programs

Regular Audits and Reviews



# Potential Mining Corridors

- **PNG:** Frieda River, Star Mountains, Wowo Gap, Kokoda, Mt Penk, Tolukuma
- **Solomon Islands:** Isabel nickel deposits, Guadalcanal copper deposits, New Georgia copper deposits
- Map and engage with stakeholders
- Conduct feasibility studies.
- Secure financing and initiate pilot projects.
- Monitor progress and ensure ESG compliance.





# Conclusions

- Mining corridor infrastructure development can catalyze PNG's, Solomon Islands, and regional economic transformation.
- Taking a corridor approach enhances
  - a) supply of global green metals
  - b) broader economic diversification and social uplift