



AFRICAN DEVELOPMENT BANK GROUP

# PILLARS OF THE AFRICAN GREEN MINERALS STRATEGY

**JERRY AHADJIE**  
**(CHIEF MINERALS OFFICER)**  
African Development Bank



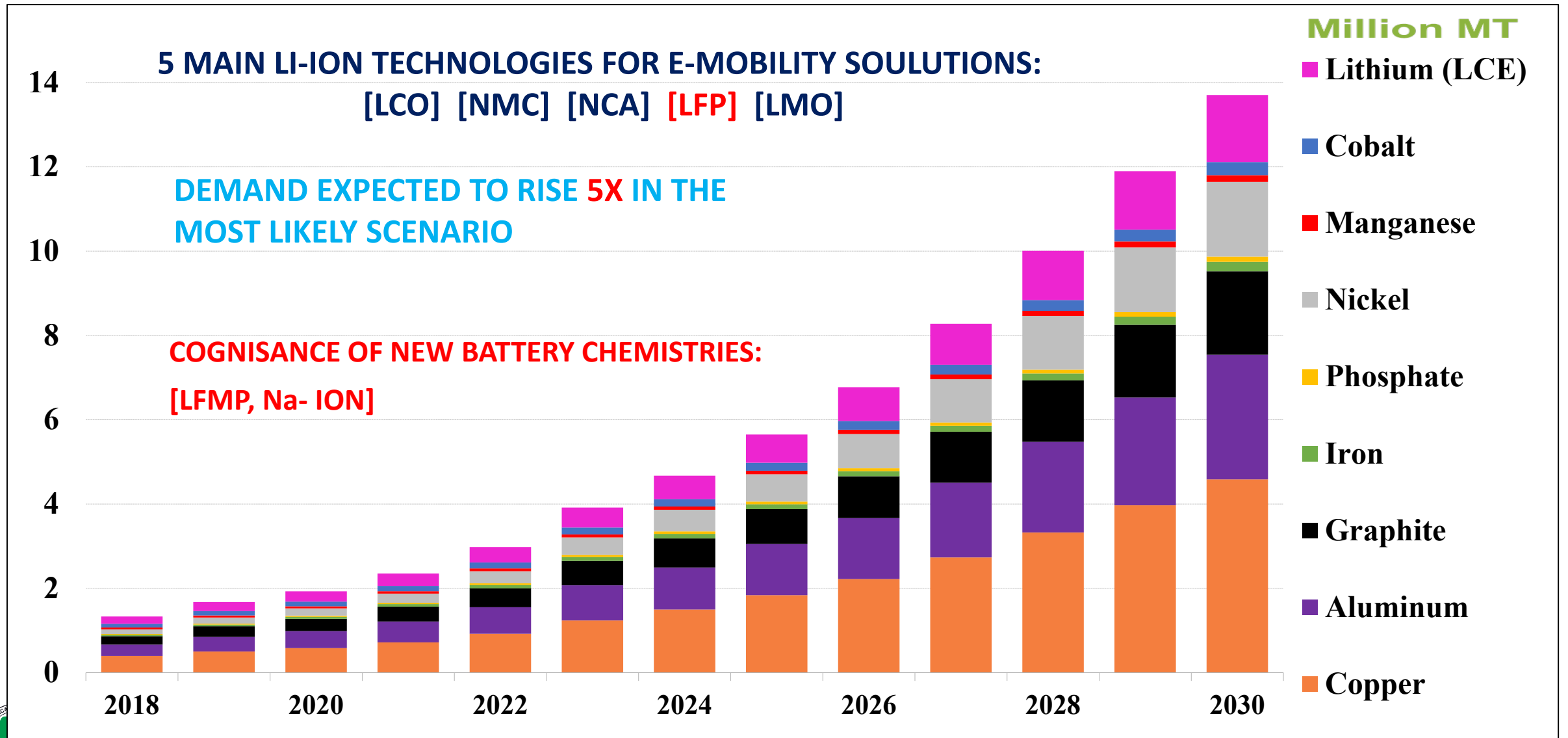
**RESOURCE MANAGEMENT WEEK 2023**  
ASSURING SUSTAINABILITY IN RESOURCE

MANAGEMENT



**UNECE**

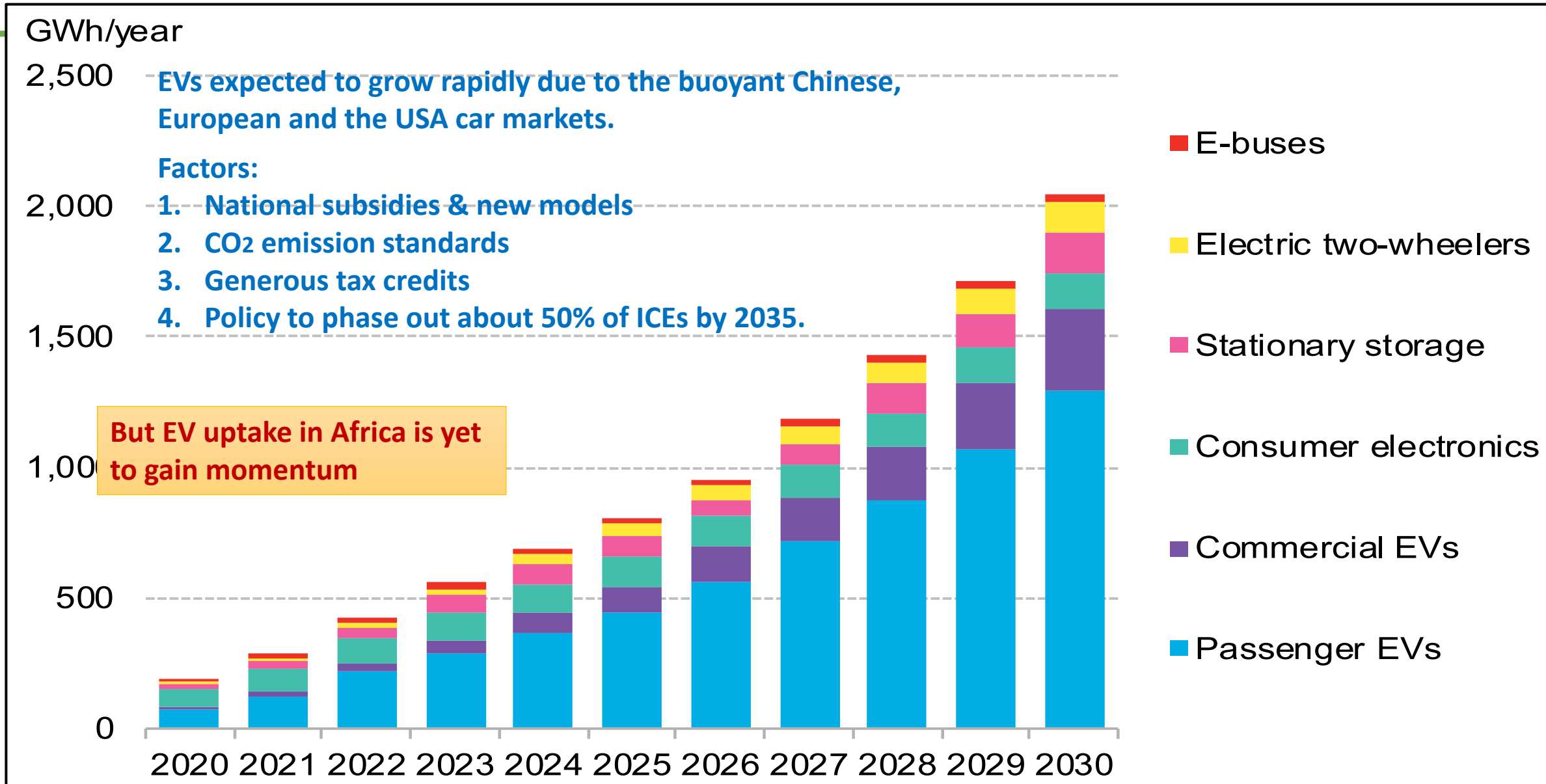
# INTRODUCTION: METAL DEMAND OUTLOOK FROM LI-ION BATTERIES (2018-2030)



Source: BloombergNEF



# INTRODUCTION: LITHIUM-ION BATTERY DEMAND OUTLOOK



Source: BloombergNEF



## AFRICA'S SIGNIFICANT GREEN MINERALS IS AN ADVANTAGE

| Mineral / Country | Percentage of some selected world proven <b>RESERVES</b> |       |       |        |            |         |            |              |          |        |          | Global Projections   |
|-------------------|--|-------|-------|--------|------------|---------|------------|--------------|----------|--------|----------|--|
|                   | DR Congo   | Gabon | Ghana | Guinea | Madagascar | Morocco | Mozambique | South Africa | Tanzania | Zambia | Zimbabwe | 2050 projected global annual DD from energy technologies as % of 2018 global annual production |
| Bauxite           |  |       |       | 25     |            |         |            |              |          |        |          | 9%   |
| Chromium          |  |       |       |        |            |         |            | 35           |          |        |          | 1%   |
| Cobalt            | 51   |       |       |        | 1.4        | 0.2     |            | 0.5          |          |        |          | 460%   |
| Copper            | 2.2  |       |       |        |            |         |            |              |          | 2.4    |          | 7%   |
| Graphite          |  |       |       |        | 8.1        |         | 7.8        |              | 5.3      |        |          | 494%   |
| Iron ore          |  |       |       |        |            |         |            | 0.1          |          |        |          | 1%   |
| Lithium           |  |       |       |        |            |         |            |              |          |        | 1        | 488%   |
| Manganese         |  | 4.7   | 1     |        |            |         |            | 40           |          |        |          | 4%   |
| Titanium          |  |       |       |        | 3.1        |         | 3.5        | 5.6          |          |        |          | 0%   |
| Vanadium          |  |       |       |        |            |         |            | 16           |          |        |          | 189%   |

Source: World Bank data on 2050 projected annual demand for 17 critical minerals & USGS data on global reserves

# VISION AND INTER-CONNECTED FACTORS

Vision: Guide Africa to strategically harness the continent's green mineral resources for industrialization and to create an African presence in emerging green technologies.

Five inter-connected factors unfolding across Africa:

- Growth and demand for green minerals for future low carbon pathways and green energy;
- Africa's strength in mineral resources - basis for green energy demand and transition;
- Imperative of reorienting economic growth to a low carbon future;
- Drive industrialization and economic diversification taking advantage of the emergence of new industries: **BEV value chains**; and
- Leveraging **AfCFTA** to deepen market integration: Thus, provide scale economies for investment projects along the BEV value-chains.

# STRATEGY PILLARS

## Four Pillars support the strategy to deliver the VISION:

- **Advancing Mineral Development:**

- increasing geological knowledge & information, conducting feasibility studies to attract investment, establishing infrastructure for an enabling environment and aligning mineral resource management with the AMV.
- AfDB is a key implementing Partner of AMDC on AMV and AMREC

- **Developing People and Technological Capability:**

- identifying skills needed to capitalise on opportunities and building institutions to generate them.

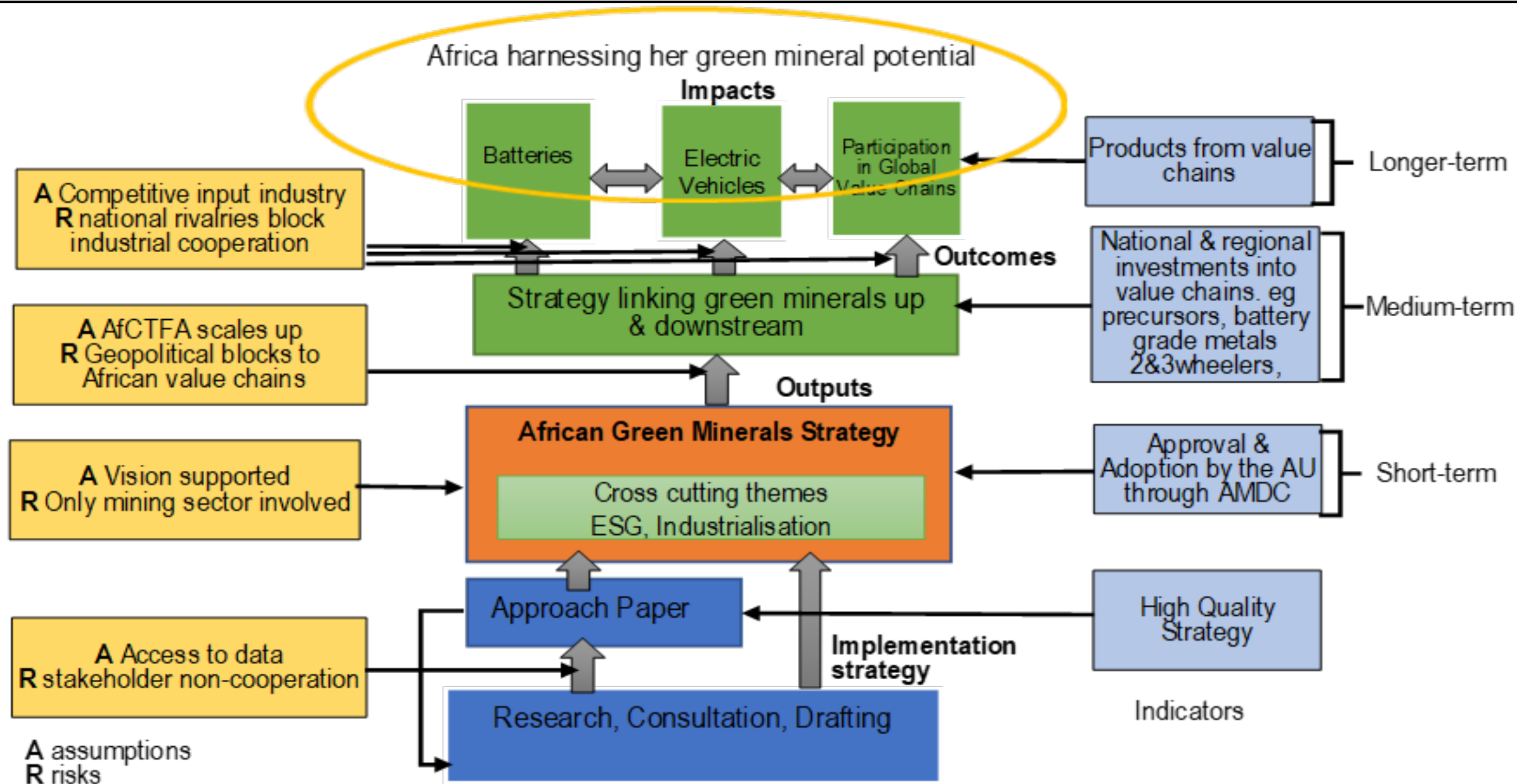
- **Building Key Value-Chains towards RBI & access wider regional and continental markets through AfCFTA:**

- e.g.; Establish BEV value chains, starting with precursor production, 2&3 wheeled vehicles and commuter buses.

- **Mineral Stewardship:**

- responsibly guide ESG aspects of green minerals together with material reuse and recycling.

# SIMPLIFIED THEORY OF CHANGE

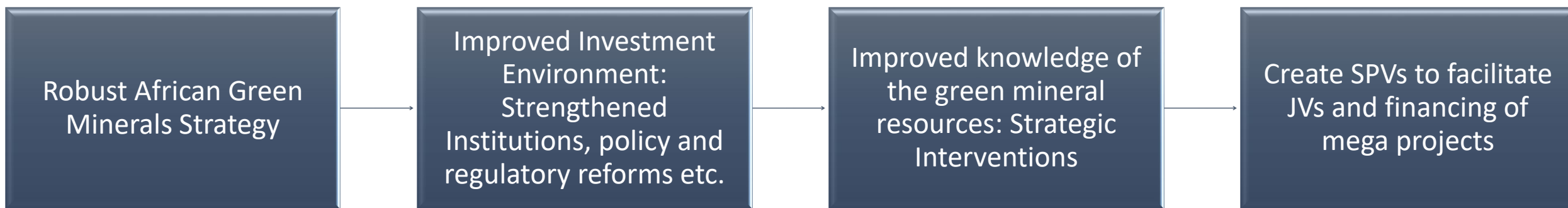


# COMPETITIVENESS AND SOME SUCCESS FACTORS

**Green Minerals** – significant volumes. Business case for Precursor production in DRC.

**AfCFTA:** 1.39 billion pop. with a combined GDP valued at US\$3.4 trillion.

**2/3 Wheelers:** Africa imports about 4 million with value 2.8 billion annually



Scale up infrastructure investments (clustered around Special Economic Zones) and implement smart LC policies.

Foster the development of mineral-based industrialization and RMV chains within the context of the AfCFTA

Establish Centres of Excellence on battery development:

- develop skills and competencies, increase domestic R&D and STI capabilities etc.

ESG Issues: Central to project development.





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# Thank you!

Further Information, Contact:  
African Development Bank  
African Natural Resources Centre  
[j.ahadjie@afdb.org](mailto:j.ahadjie@afdb.org)  
[www.afdb.org/anrc](http://www.afdb.org/anrc)



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