GLOBAL ECONOMY

AMV

national socio-enviro-political context

Consumption (induced) Linkages

Member **States**



Knowledge Linkages

Geoknowledge

Systematic geosurvey & target development

HRD

- **Engineers &** scientists
- Technicians
- Operators, etc

RDI

- Universities
- R&D entities
- Firm RDI, et al

Infrastructure Linkages

(spatial) into regional economy

- Transport: roads/rail, ports, et al
- Power & transmission
- Water & reticulation
- ICT, other

Fiscal Linkages

- Levies, ground rents,
- Duties/tariffs/excise
- Royalties, dividends (equity)
- CIT, RRT, WHT, PAYE, et al
- SWFs, Stabilisation Funds, etc.,

Jobs/wages (also in backward, forward, knowledge and infrastructure linkages)

Exploration

Mine Developm't

MINING (& final closure)

Mineral **Processing**

Smelting

Refining

Intermediates

Manufacture

EXPORTS to world economy (into GMVCs)

Backward/upstream Linkages: Inputs into local/regional/global minerals sector

Capital Goods

- Machinery
- Equipment
- Plant
- Vehicles,
- et al

Consumables

- Explosives/caps
- Grinding media
- Wear parts, spares
- Chemicals/reagents
- Fuels & lubes, et al

Services

- Drilling/exploration
- Finance. ICT
- Labour/skilling
- Engineering/Analytical
- Standards/trade/marketing
- Logistics, catering, et al

Other Inputs

- Construction,
- Utilities,
- et al

Forward/ **Downstream**

Linkages: Key feedstocks into regional/local

economy

Manufacturing

(Fe/steels, polymers, Cu/Al, et al)

Agriculture

(NPK, conditioners)

Construction

(Fe/steels, cement, Cu/Al, aggregate)

Power

(fossil fuels: coal, oil & gas)

Other Sectors

Lateral Linkages: products into other sectors of the local/regional/global economy

Critical AMV RBI Path

EU-Africa AMV Partnerships



Invest in knowledge linkages (STEM skills & tech dev: RDI)

Realise
backward
(forward)
linkages
(inputs &
outputs: VA)

Realise lateral linkages into non- El sectors & exports





EU I

partnerships
Fair contracts.
Monitoring &
African IRS
support (BEPS)

EU

partnerships
Twinning of
HEIs. Reciprocal
internships, etc.
Joint RDI

EU

partnerships.
Project
preparation,
investor
facilitation

EU

partnerships.
IR 4.0, remote
mining &
processing, AI,
clean energy,

EU

Partnerships AMV promo, AMDC support, AMV alignment *Fair* EPAs!



EU – Africa Partnership for the realisation of the AMV, secure & reliable EU supply of key minerals-metals and the development of appropriate standards & DD procedures for responsible E.I. (SDLO) and participatory project development

HEI: Higher Education Institution