



Consulting Engineers South Africa

INFRASTRUCTURE
Indaba
2025

Engineering the Future We Want: Mobilising for Sustainable Development

Mining-enabled Infrastructure for societal prosperity

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Indaba Hotel, Fourways

19 March 2025

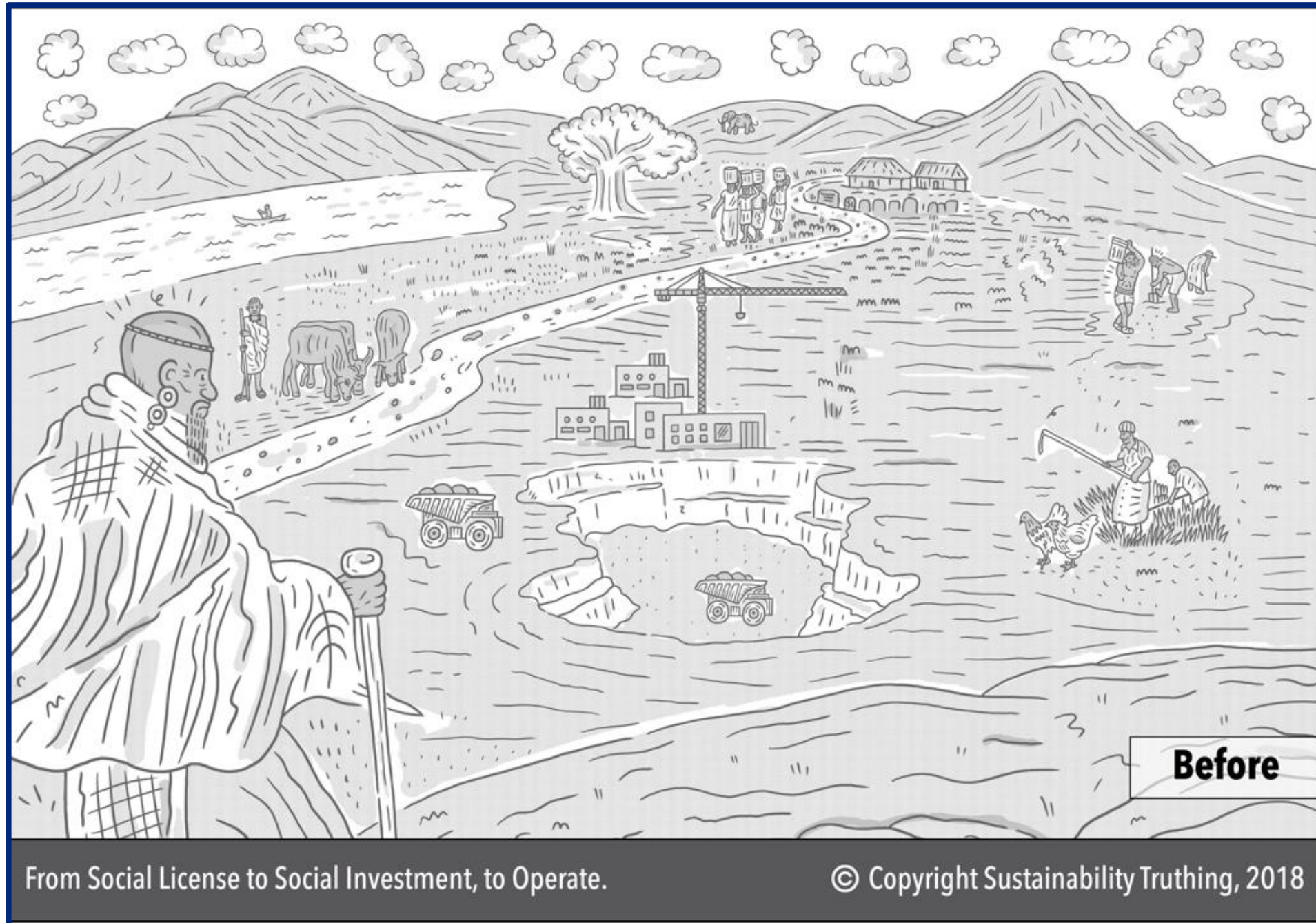


Despite our challenges, #MiningMatters

Mining's impact on the South African economy

	Period	Value/number	Contribution (%)
Nominal GDP	Q1 to Q3 2024	R432,7bn	6
Mineral exports	2024	R815bn	45
Corporate taxes	2023/24	R42,6bn	14
Formal employment	Q3 2024	471,882	4,5
Employee earnings	Q3 2024	R189,2bn	5,7

Present perspective on mining | dependency



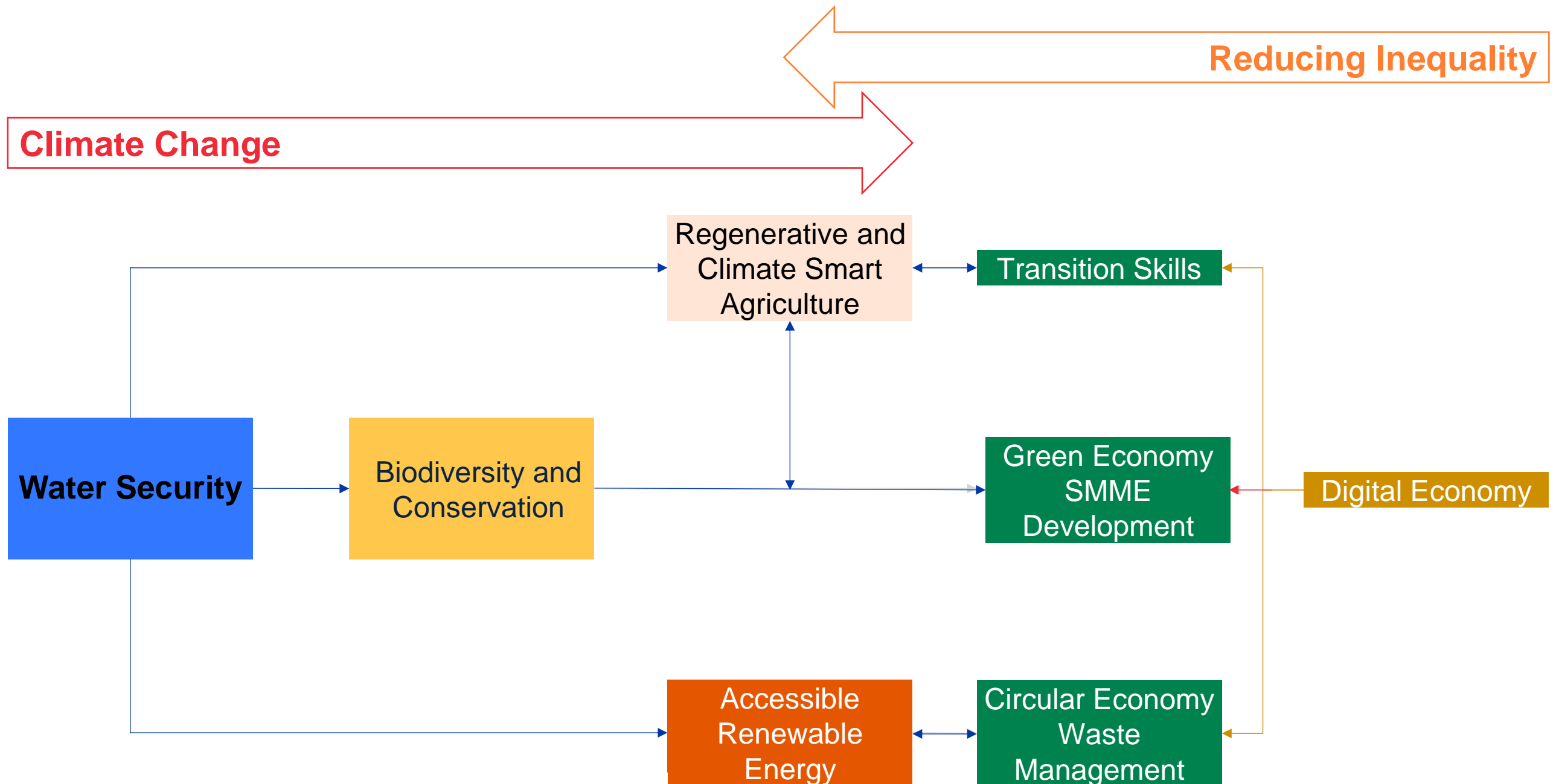
Strained operating context for mining operations

≠ **223** of 257 municipalities with no clean audit opinions in 2022/23.

≠ Vaal Central and Magalies Water Boards are facing imminent **bankruptcy** (DWS, Parliament, Nov 2024) due to **municipal debt and non-payment**

- Boards service Northern Cape, North West and Free State, key mining provinces.
- Vaal Water is owed R7.3 billion by Matjhabeng municipality alone.
- Potential crisis for communities, mines and businesses in event of rapid decline in services.

Catalyst role | unlock climate opportunity, address inequality



Mining industry and water

- Water consumption between **4% to 5%** of South Africa's water (CSIR).
- **Active provider of water** to nearby communities.
 - ✓ Coal producers in eMalahleni built **water treatment plants** to supply communities with potable water.
 - ✓ **Financial and technical support** to Vaal Gamagara towards water projects.



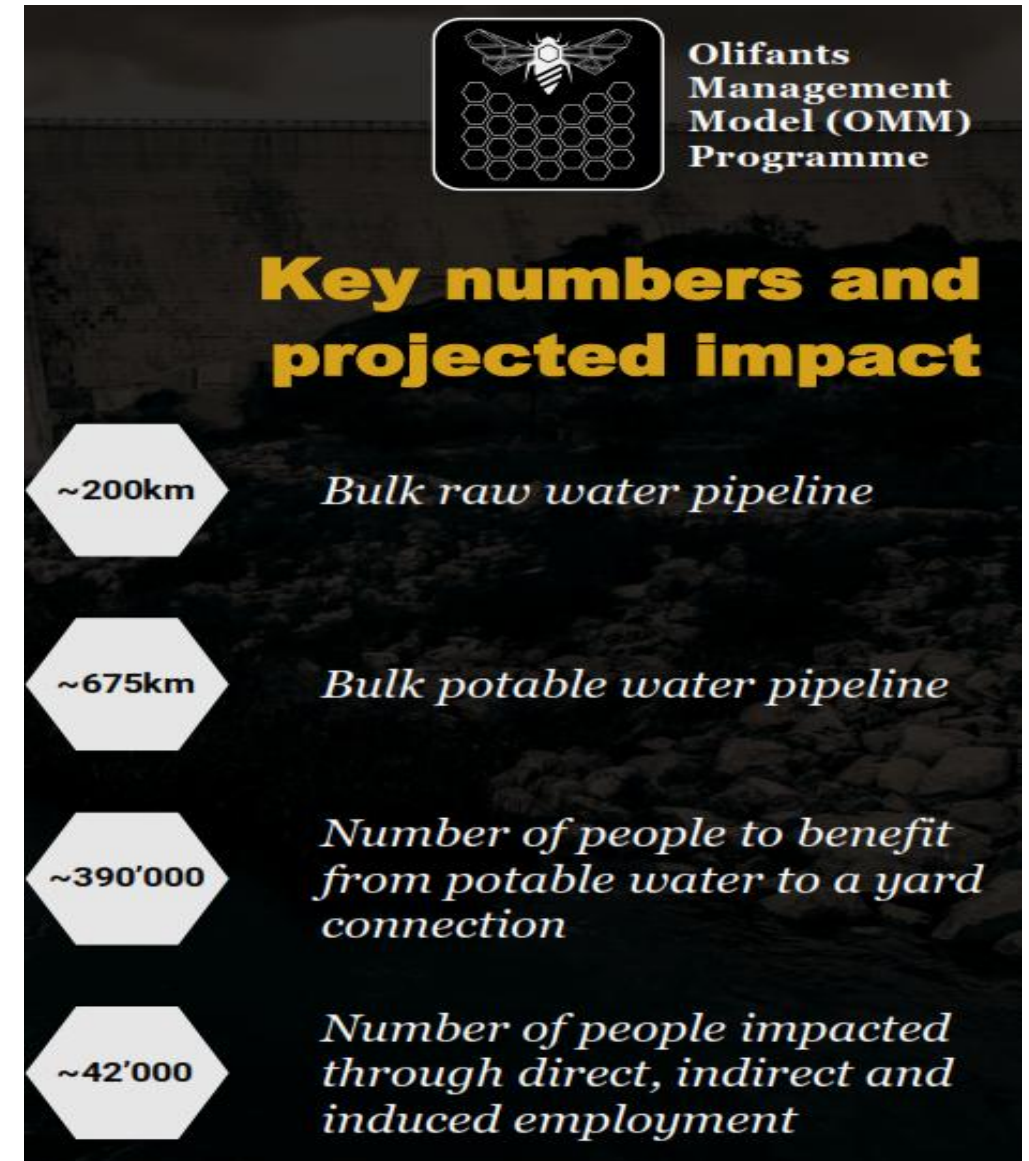
Picture: Anglo American Platinum's Mogalakwena mine

Proactive risk management by mining companies

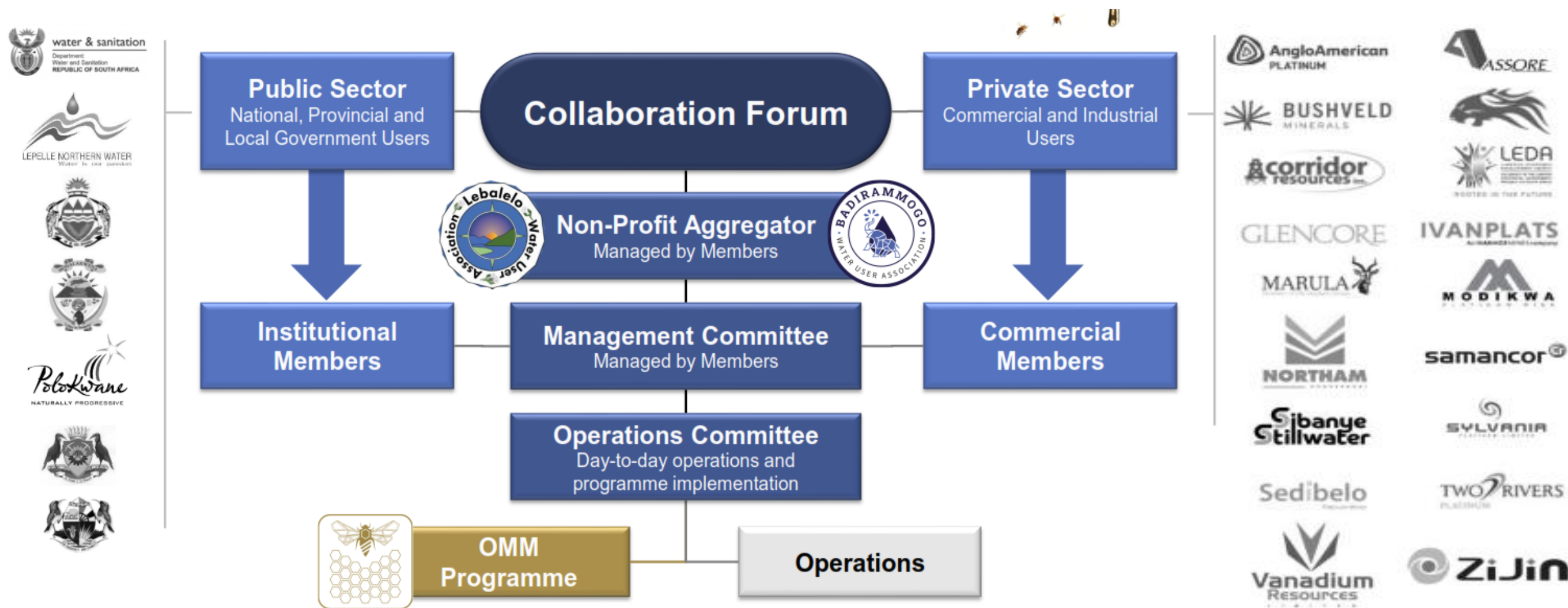
- ✓ Vaal Gamagara Water Supply Scheme takes water from the **Vaal River** to supply communities, mines and businesses in the arid Northern Cape. The scheme falls under the indebted Vaal Central Water Board.
- ✓ More than 20 mining companies **pay a premium towards a capital raising fee** to pay for an upgrade of the aged 260km pipeline. R268 million raised from the premium and ringfenced for the **upgrade, est. R12 billion.**
- ✓ The Minerals Council's Northern Cape Mine Leadership Forum has provided R50 million for **emergency repairs of the pipeline and pumping stations** in recent years.
- ✓ Mining companies in the Northern Cape are **critical partners** in enabling the funding for the project in partnership **with DWS.**

Mining a critical enabler of water projects

- The **R25 billion (capex) Olifants Management Model** programme will accelerate the Olifants River Water Resources Development Project in Limpopo.
 - ✓ **fast track bulk and potable water infrastructure** supplying commercial water users and targeted communities in Sekhukhune and Mogalakwena.
 - ✓ **unlock the strategic mineral and industrial potential** in the specified regions, enabling much-needed potable water supply, water security, significant job creation and socio-economic development.



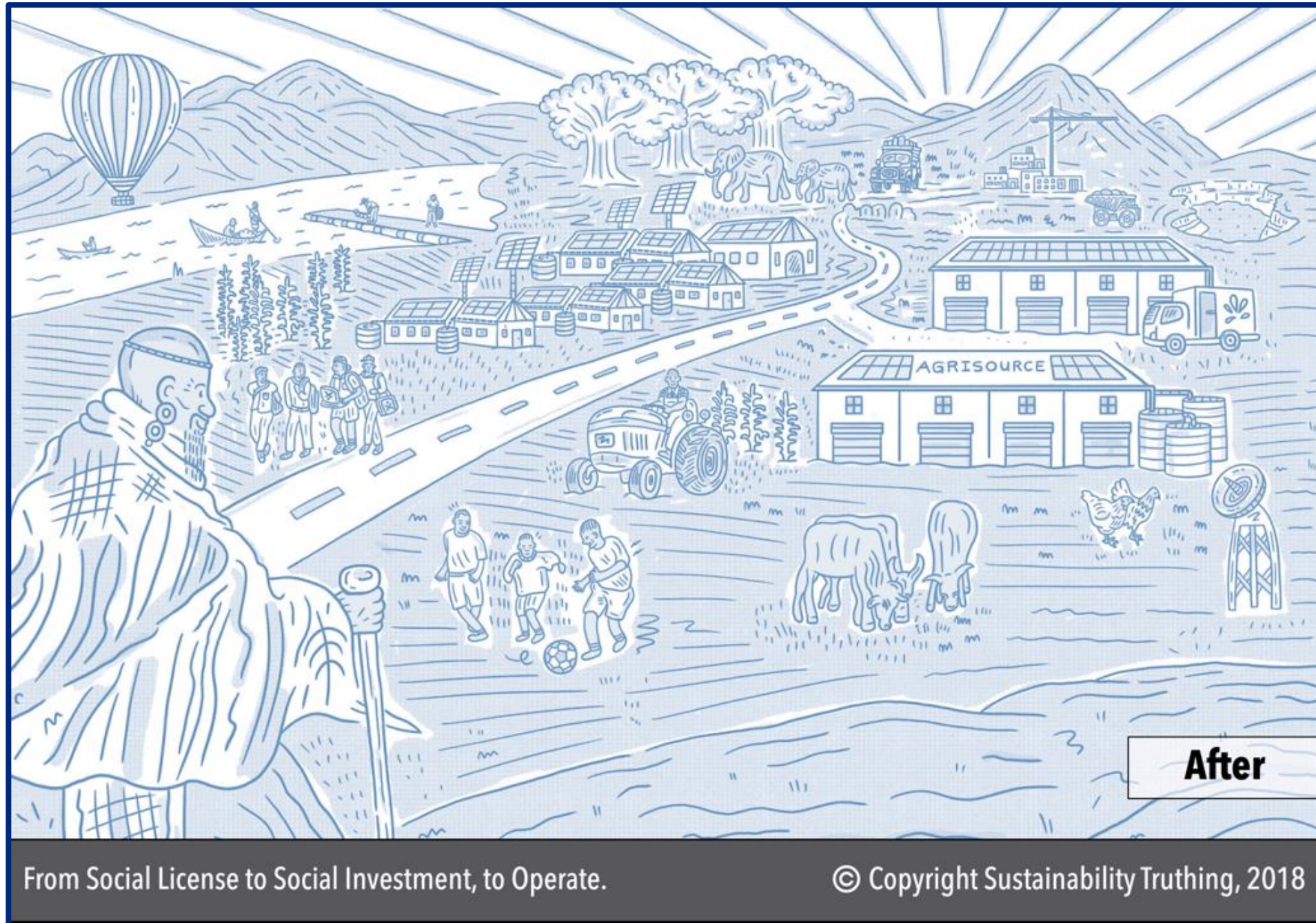
Intentionality through public-private collaboration



A virtuous relationship | mining & infrastructure



Mining | catalyst for societal prosperity



From Social License to Social Investment, to Operate.

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Thank you

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