

SUSTAINABLE MINE CLOSURE – A NEW PARADIGM

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**#IAIA15
23 April 2015**



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Introduction



“return land to a predetermined state”



“sustainable opportunities lasting beyond closure”

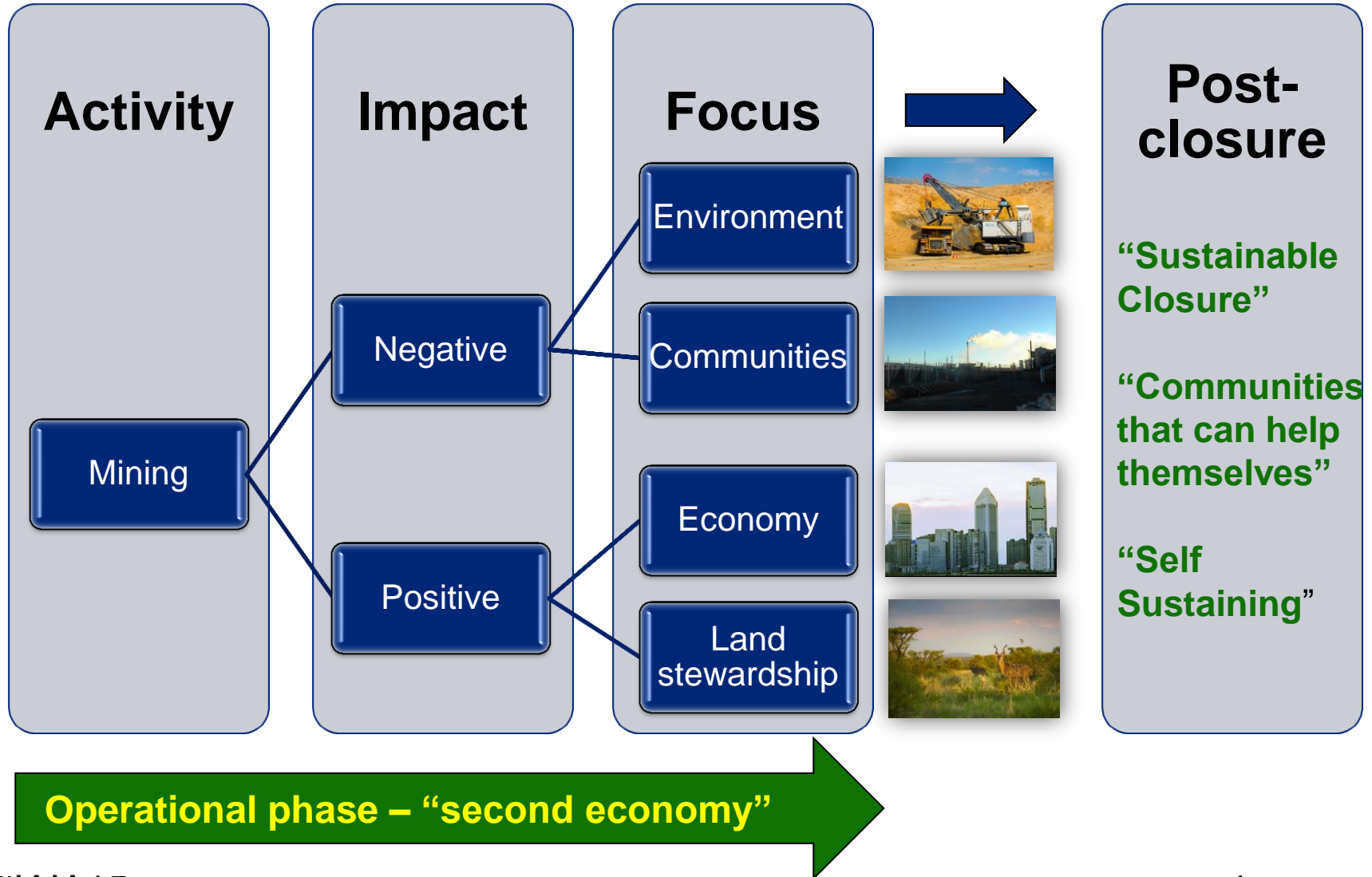
Sustainable mine closure?

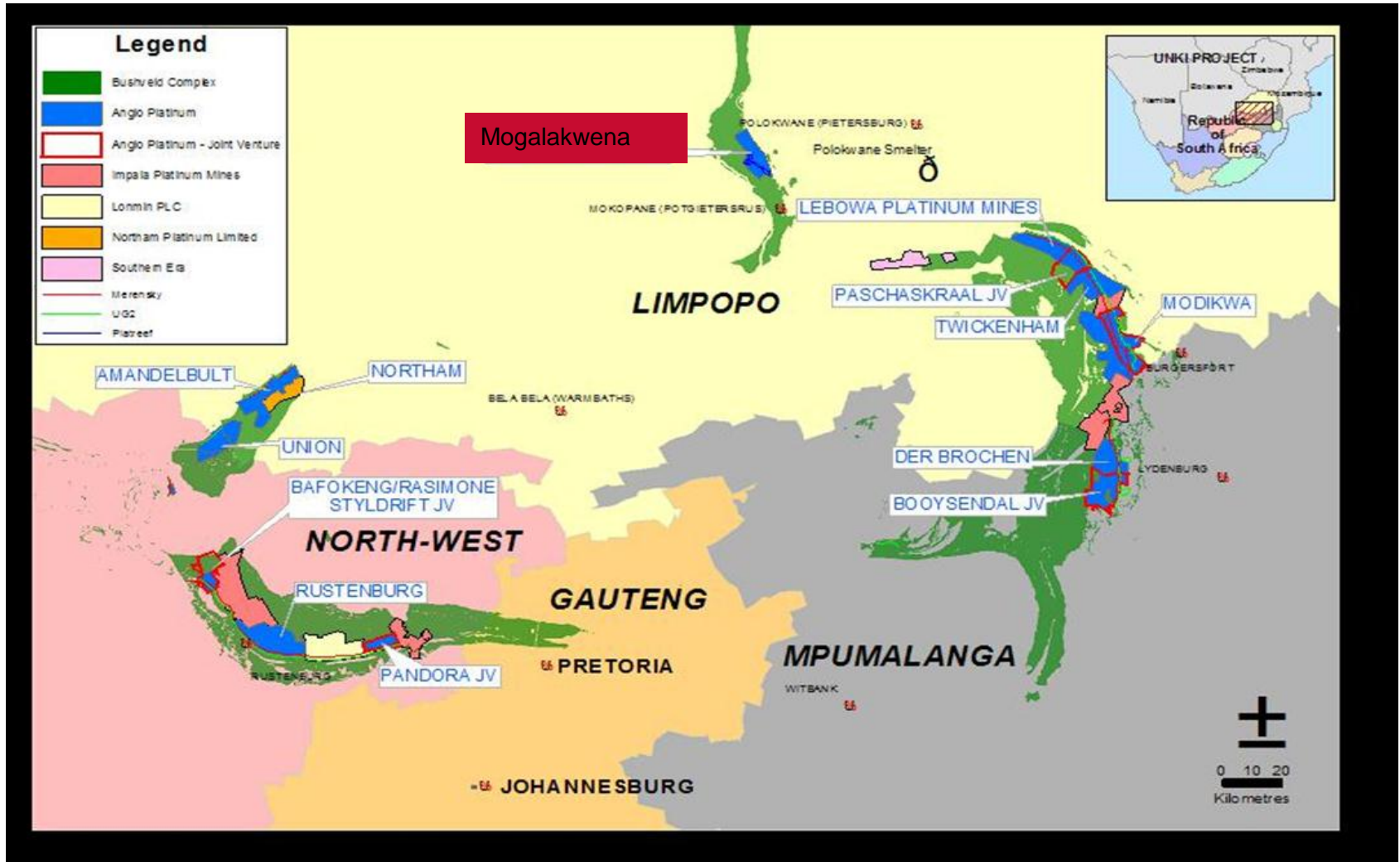
“social license to operate”

“responsible mining”

“positive legacy”

Context





Mogalakwena Mine “Second economy”

Sustainable mine closure best demonstrated at Mogalakwena mine:

- Usual rehabilitation activities **PLUS** focus on sustainable development
- Creating a “**second economy**” : financial injection during operational phase to the surrounding communities that *supports sustainable practices* that will last beyond closure .

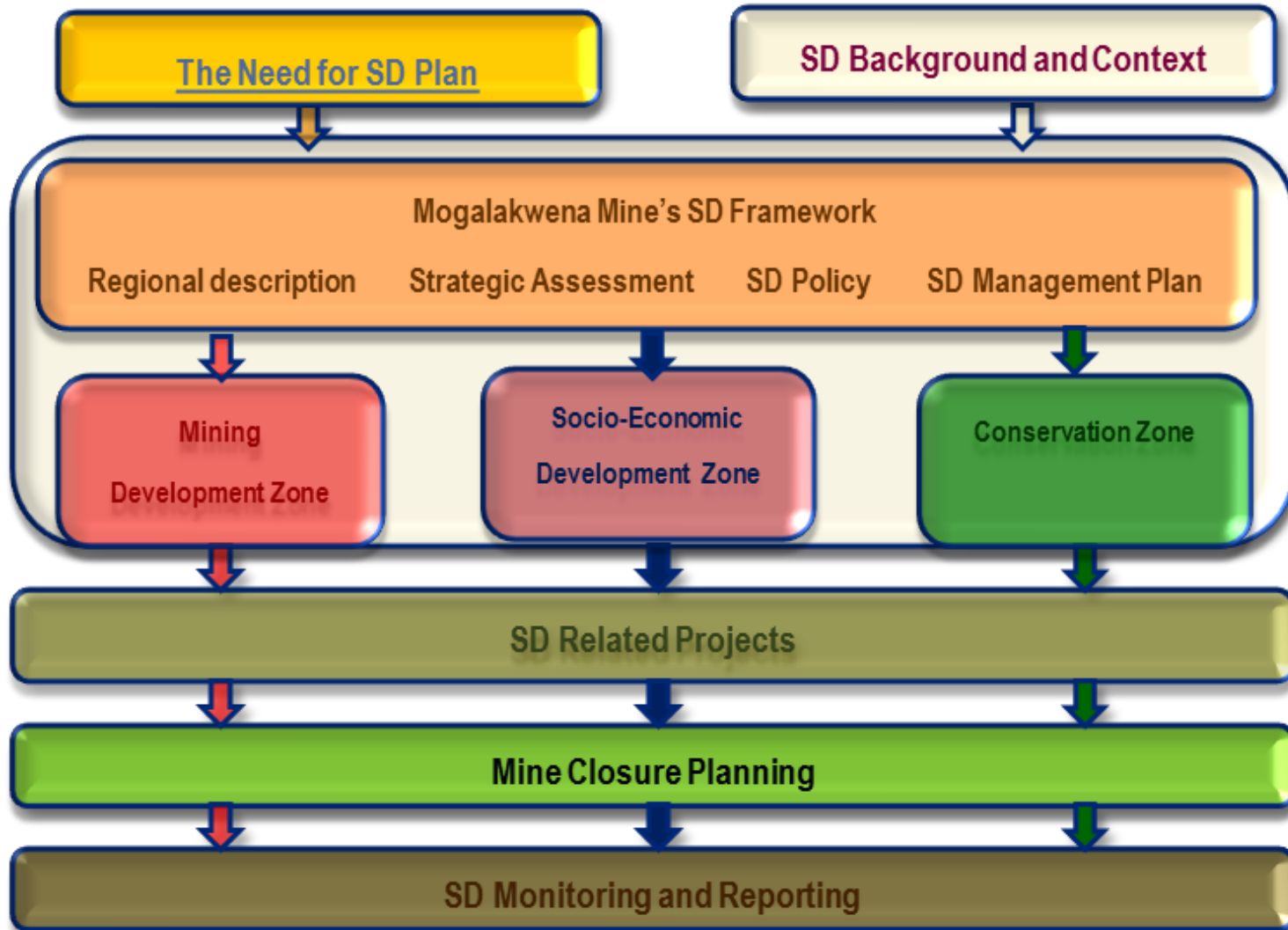
How:

- Social and Labour Plan (SLP) projects,
- Sustainable Development (SD) commitments that supports “helping people to help themselves and their environment”

Intent - *Working with stakeholders towards sustainable post closure during life of mine.*

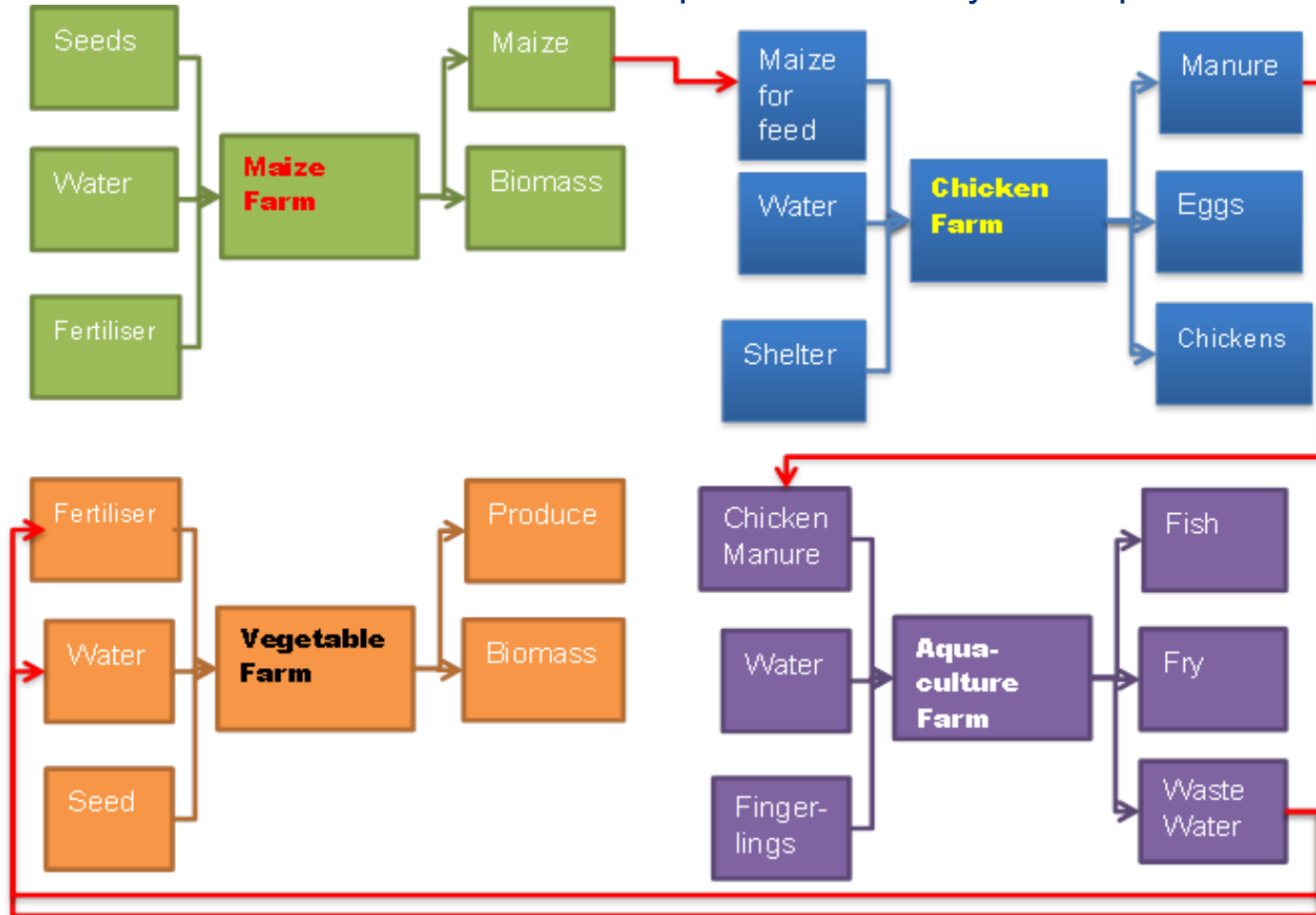


Sustainable Development System

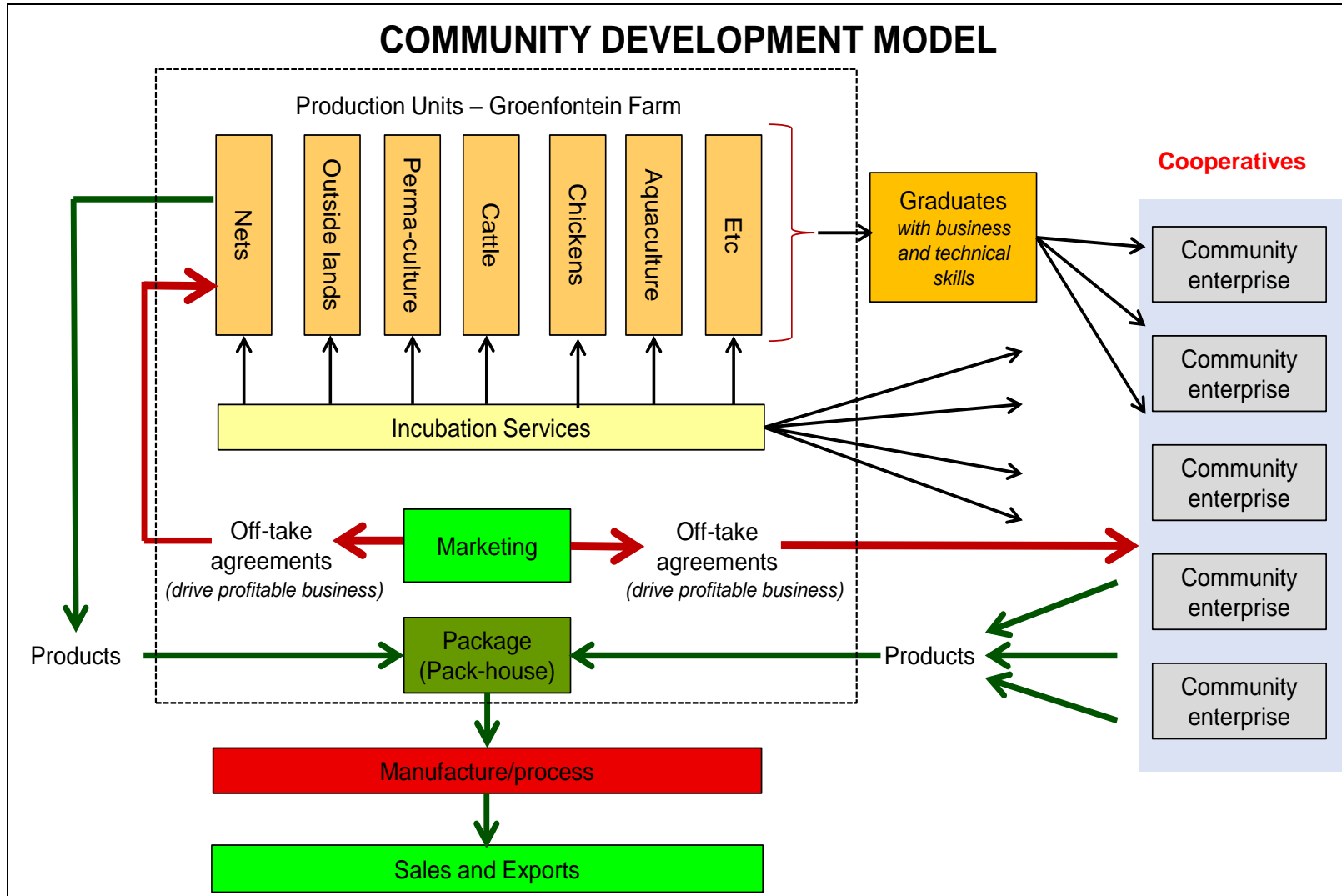


Regional Master Plan

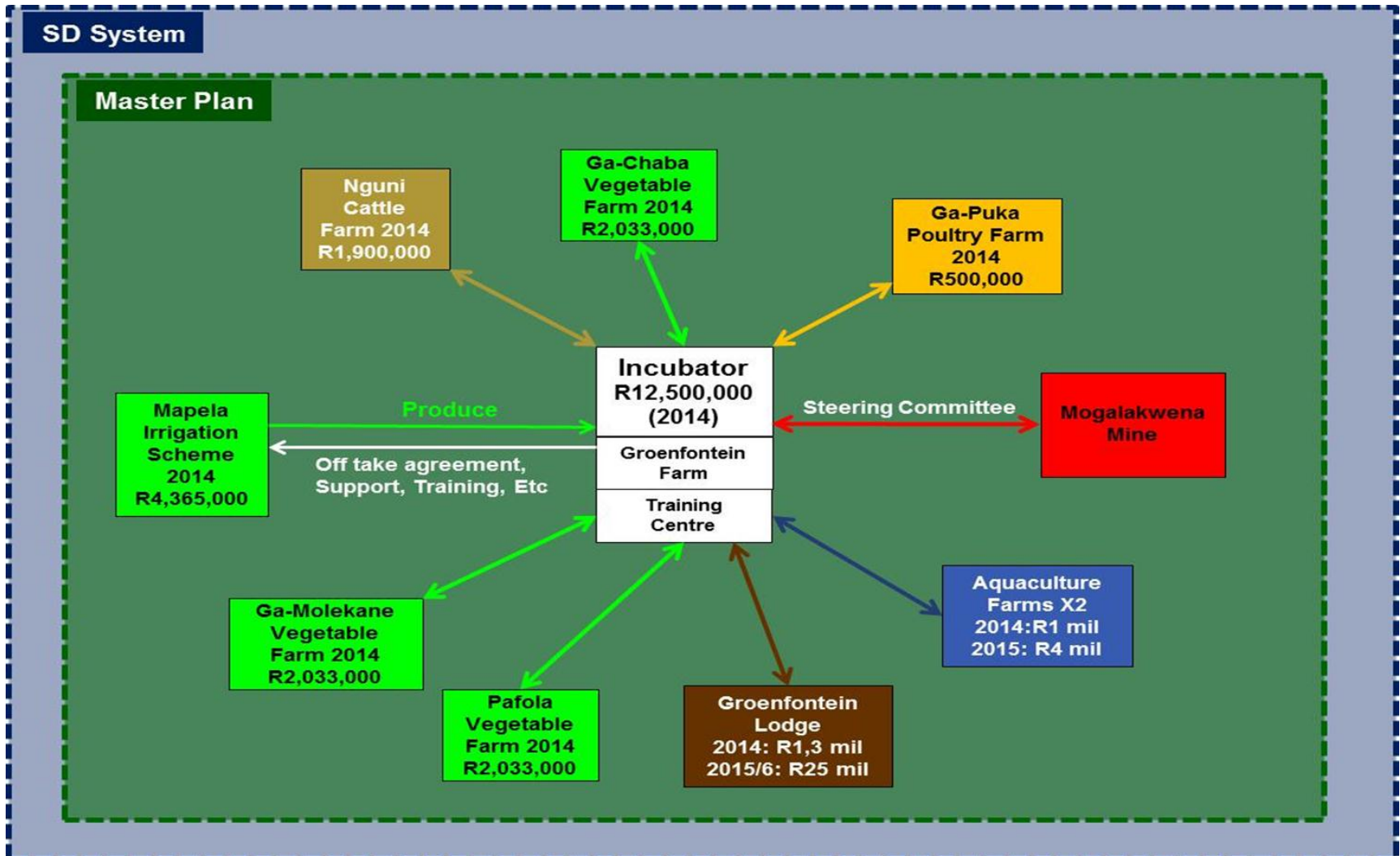
“Regional Master Plan provides **interactive relationship between projects** to streamline and coordinate land stewardship and community development initiatives.”



Sustainable Development Incubator



Integration and alignment



“Success to Significance”

Achievements in last two years

In partnership with Mogalakwena Training (Pty) Ltd, incubator achieved:

- ✓ **>200 jobs** created in the agricultural field
- ✓ **>2000 trained** in sustainable agriculture
- ✓ **>400 people** already growing food to feed their families

Expand Mogalakwena Mine's positive influence



Conclusion

Sustainable Mine closure

- a **sustainable means** - operational phase

A new natural and social paradigm, that will survive time, and support sustainable livelihoods beyond mining.



SLP projects as part of Incubator - Example



Incubator

10 New tunnels erected
Marrows in Nets doing well
Broccoli in fields
Chicken farm

Water and electricity issues
Infrastructure still to be
erected

Rooibokfontein

900 eggs per day
Broilers selling
Co Op working well
Co Op ready for 2nd phase

Ga Chaba

5 tunnels erected
Tomatoes doing well
CO Op working well

First crop died

SLP projects as part of Incubator - Example



Ga Molekane

Land Preparation complete
Infrastructure complete

Water is an issue



Pafola

Land Preparation complete
Infrastructure complete

Water is an issue



Nguni Cattle

Land Preparation complete
Infrastructure complete
Training programmes in place

Water is an issue

SLP projects as part of Incubator - Example



Twickenham

Co Op established
Business plan complete

Aquaculture

Studies in progress

Lodge

EIA complete

**THANK
YOU**