

Aquaculture is a sector that presents a good opportunity to diversify fish production



Satisfy local demand



Contribute to food and nutritional security



Create sustainable job opportunities



Foster economic development



Capitalise on export opportunities



Stimulate rural development and livelihoods



Attract foreign direct investment



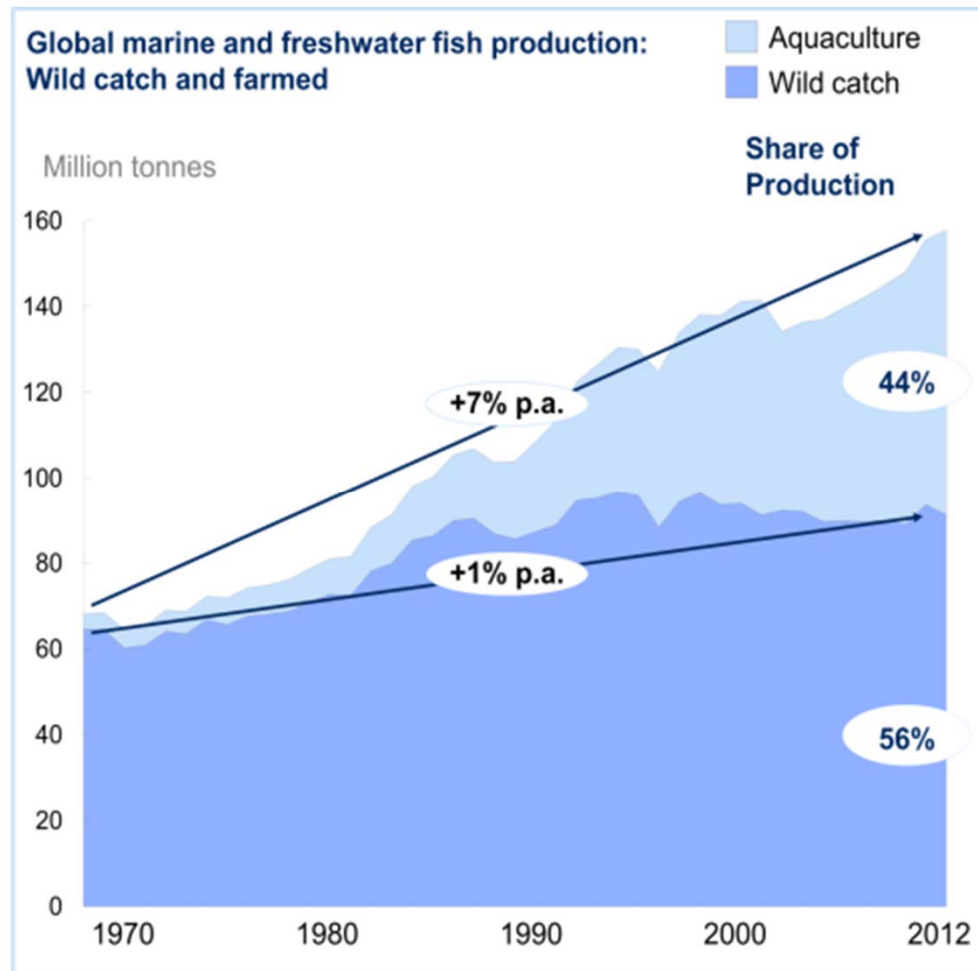
Safeguard sustainable environmental integrity



Create SMMEs and wealth generating opportunities through Aquaculture

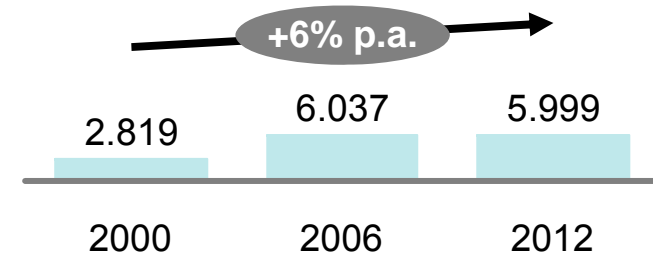
Globally fish stocks are declining and wild capture will not be able to meet the increasing demand for fish products

Global trends point to an increasing role for Aquaculture in fish production



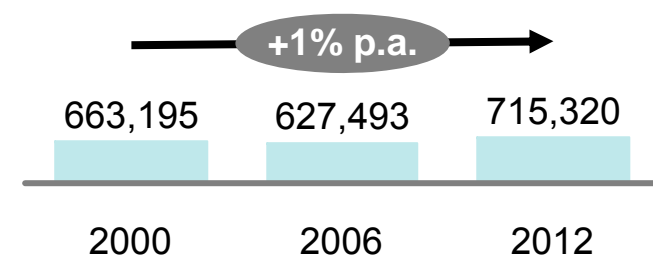
SA Aquaculture production Tonnes

Steady growth of 6% p.a.

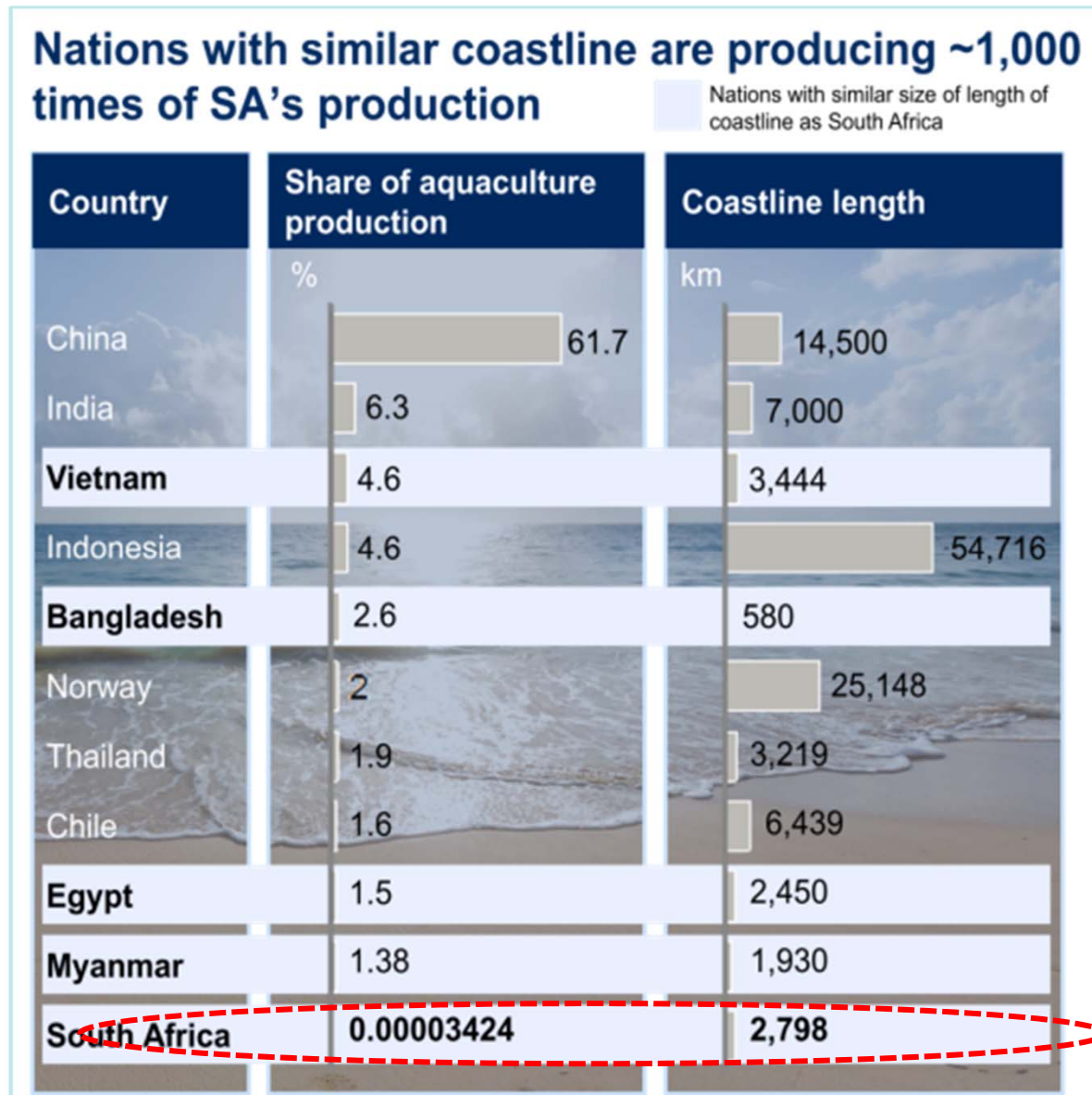


SA Marine catch production Tonnes

Marine catch is plateauing



South Africa has the coastline to support aquaculture



SOURCE: FishStatJ, DAFF, FAO 2014 State of World Fisheries ; CIA World Factbook

The Lab aspires to catalyse growth in the sector by scaling up the sector as an initial step to sector development

Headlines 2019: SA economy reaps the rewards of Operation Phakisa

“...to Aquaculture in South African has shown strong growth in 5 years, with **production from 2014 up 5 fold to 20 000 tonnes.....**”

“...The Aquaculture sector in South Africa now **employs 15 000 people in direct and full time jobs.....**”

“Jobs in Aquaculture sector seen as **quality jobs, improving livelihoods in rural communities....**”

“...experts estimate the **revenue contributed by Aquaculture** to South Africa's economy **to be as much as R3 bn...**”

““...exciting momentum built in Operation Phakisa evidenced by **Aquaculture's inclusive growth...**”



Abalone



Oyster



Mussels



Finfish

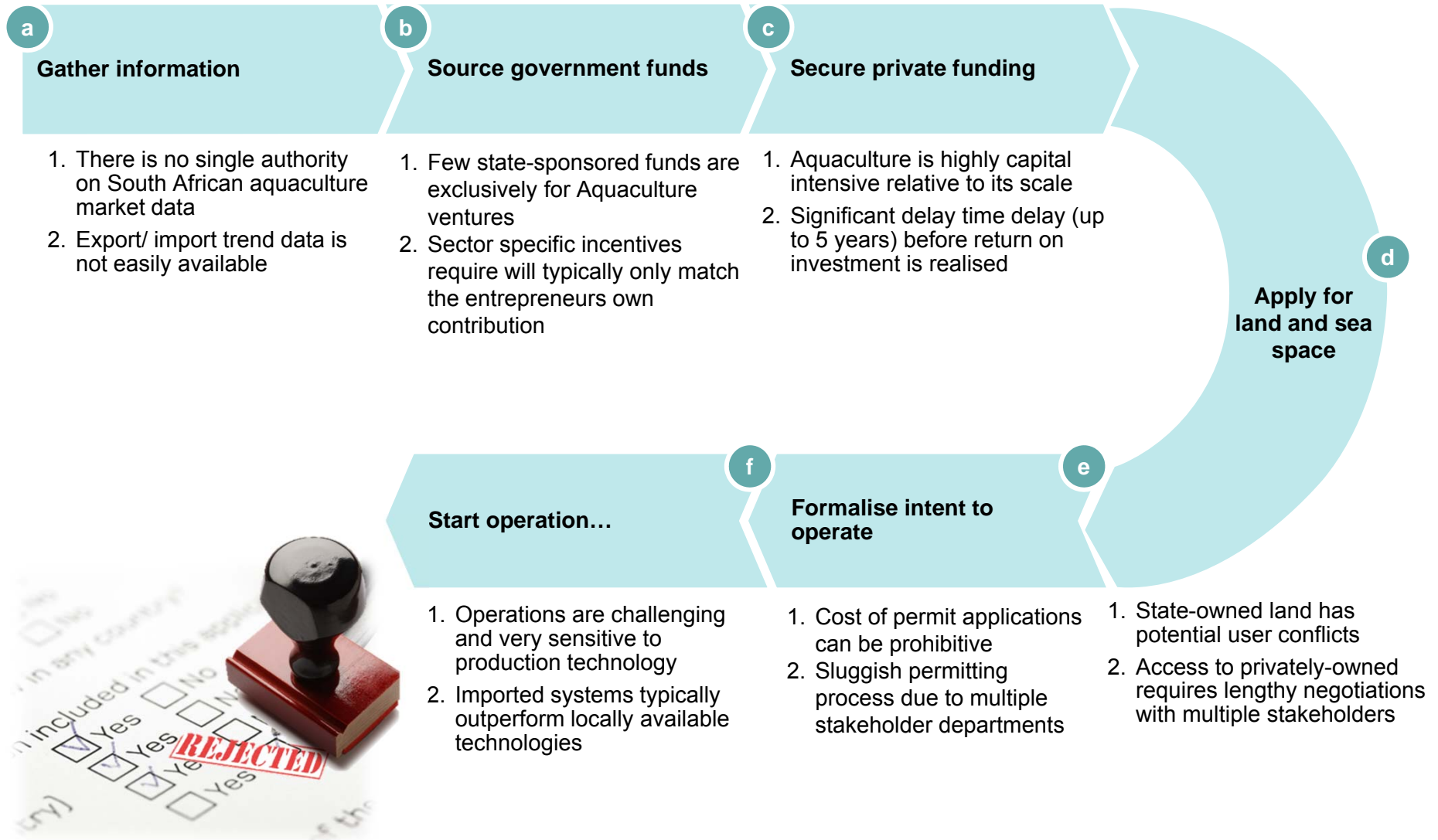


The Aquaculture sector in South Africa has incredible potential and yet remains at a small-scale leading to many challenges for producers



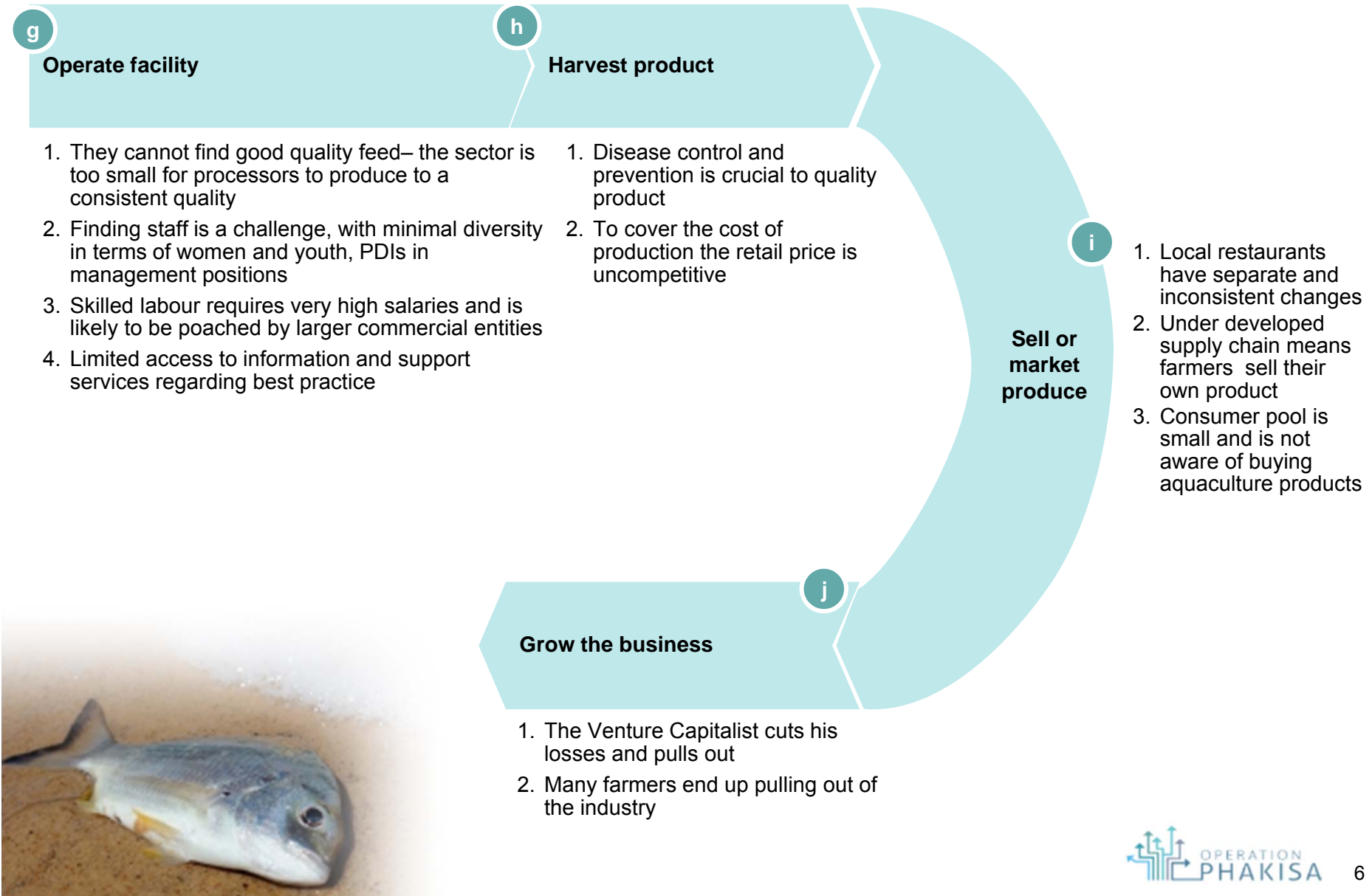
Scenario: Current challenges in setting up an aquaculture farm

Mrs Nkosi and Mrs Sibiya grew up fishing in the Tugela River. Due to the depleted fish stocks, they cannot access affordable fish and would like to start a kob farm in the KwaZulu Natal:



Scenario: Challenges to operating an aquaculture farm

Mrs Nkosi and Mrs Sibiya met all their infrastructure and legal requirements. Mrs Nkosi and Mrs Sibiya managed to grow their finfish and are trying to access the market

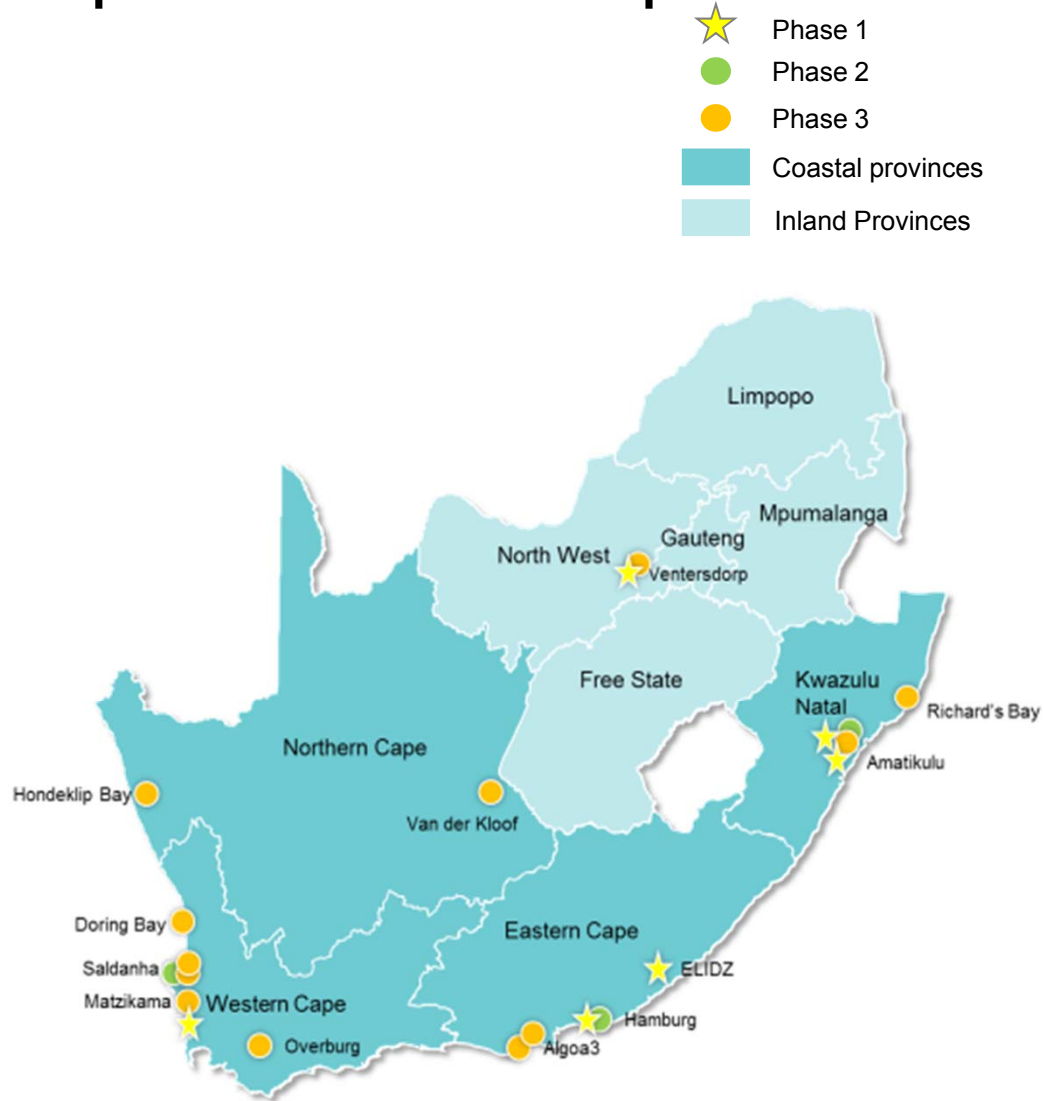


Solutions developed focuses on priority initiatives that support the implementation of the 24 catalytic projects

★ Quick wins



Deep dive: 24 projects have been selected and sequenced for implementation across 3 phases

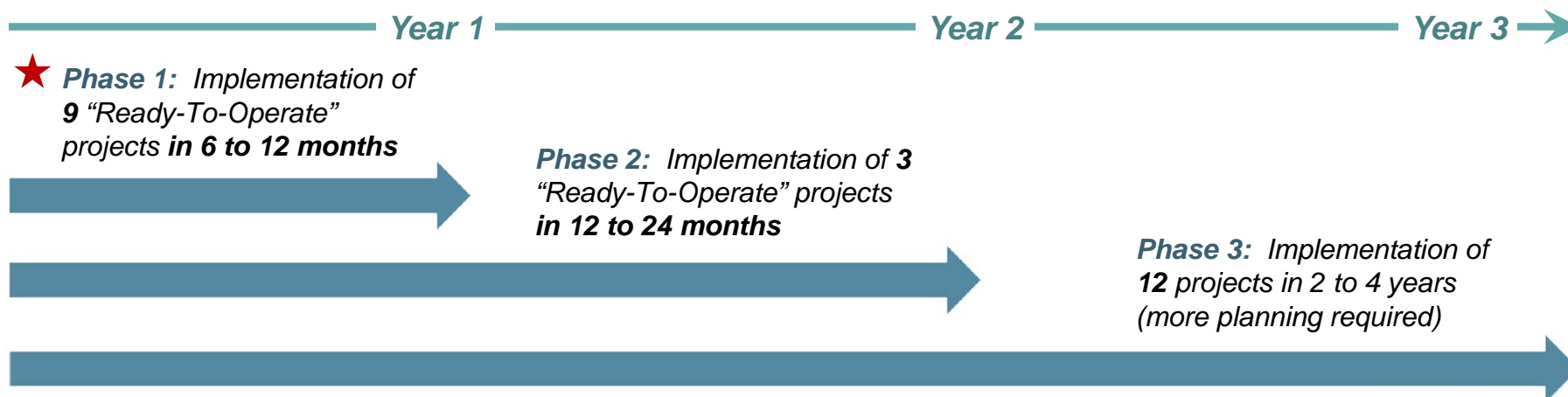


Project/enterprise		
★	Hatchery expansion- Paternoster- Oyster	
★	Expansion- East London IDZ- Kob	
★	Expansion- Hamburg cluster- Oyster	
★	Expansion-Ventersdorp- Catfish	
★	Expansion - Jacobsbaai Sea Products	
★	Expansion - Abagold	
★	Expansion - HIK Abalone	
★	New - Amatikulu - Kob	
●	Expansion - Amatikulu - Ornamentals	
●	Expansion - DST Abalone Hatchery	
●	New- Hamburg cluster- Kob	
●	New- Saldanha Viking Cages- Trout	
●	ADZ-Ventersdorp- Catfish	
●	Doring Bay Abalone	
●	New - Saldanha Viking Cages - Salmon	
●	Expansion- Saldanha Blue Ocean Mussels- Mussel	
●	Expansion- Saldanha Bay Oyster Company- Oyster	
●	New- Saldanha Southern Atlantic Sea Cages- Salmon	
●	New- Algoa Bay Sea Cage Farming- Yellowtail	
●	New- Richards Bay Sea Cage Farming- Dusky Kob	
●	New- Diamond Coast Abalone Ranching- Abalone	
●	New - Van der Kloof - Trout	
●	New - Matzikama Brenner Dietrichs - Abalone	
●	New - Buffeljachts - Abalone	

Deep dive: Phase 1 aims to implement Catalytic Projects

★ Quick wins

The challenges presented by the production scale of the sector will be addressed by the expedited implementation of Aquaculture projects, which will serve as a catalyst to the growth of the sector



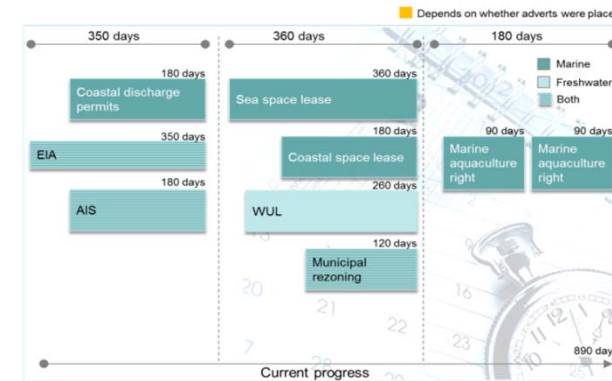
New Jobs	424		580		572		548		343	
	2015		2016		2017		2018		2019	
	Tonnes	R(mn)	Tonnes	R(mn)	Tonnes	R(mn)	Tonnes	R(mn)	Tonnes	R(mn)
Phase 1	951	247	1,359	306	1,988	552	3,385	389	4,117	500
Phase 2	500	27	1,000	62	2,130	117	3,622	208	3,922	229
Phase 3	950	42	1,930	99	4,400	267	7,450	499	9,900	637

Deep dive: Establishment of an Inter-Departmental Authorisations Committee

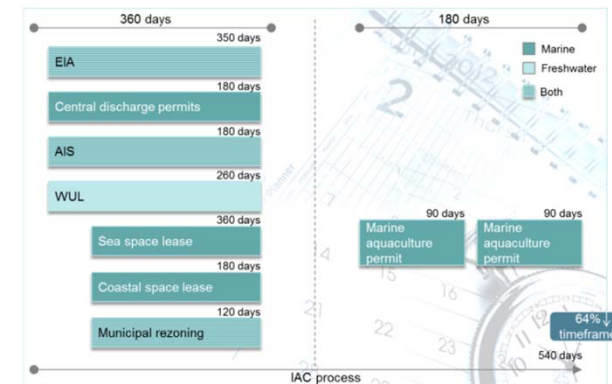
Currently, there is an uncoordinated approach to processing of applications for Aquaculture, approvals of which can take up to **890 days**. The establishment of the Inter-Departmental Authorisations Committee (“IAC”) aims to co-ordinate applications and approvals, with the expectation of reducing processing time to **240 days**.



Representation at the IAC by all relevant departments



890 days to 240 days!



Deep dive: Establishment of an Aquaculture Development Fund

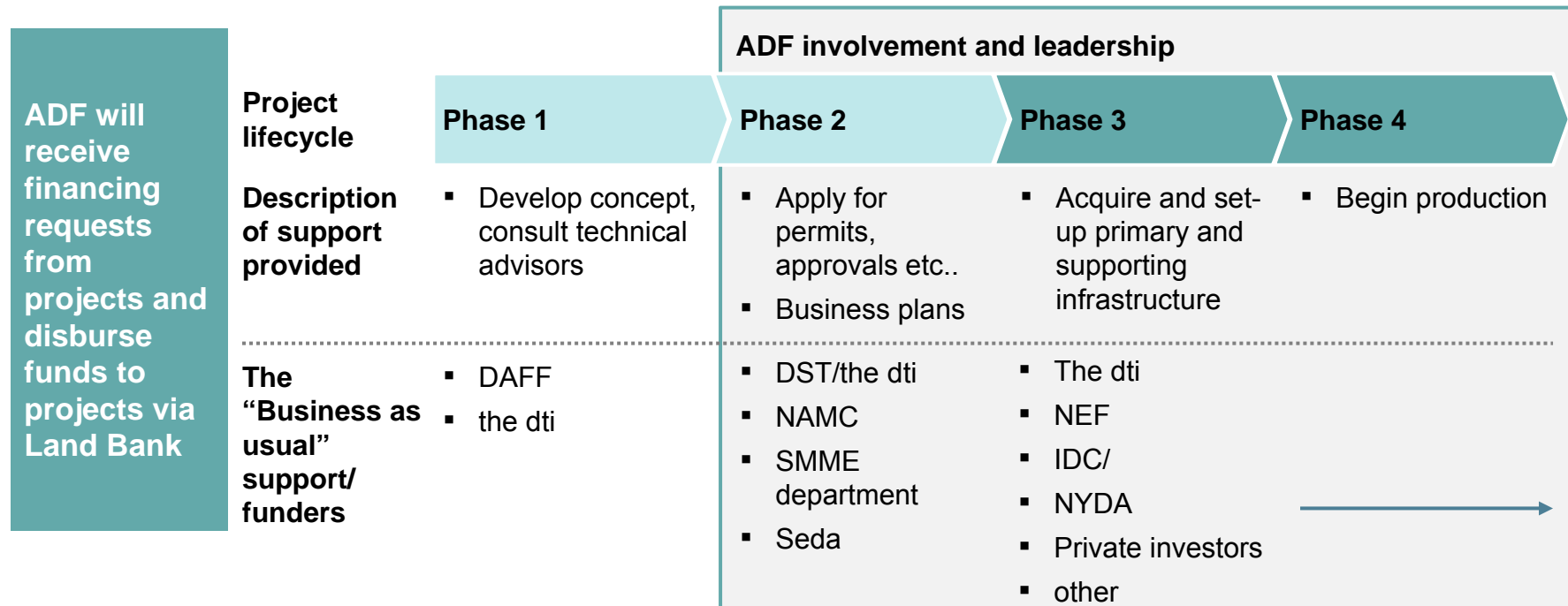
The Aquaculture sector faces difficulty in accessing finance as the sector is small and not well understood by financing institutions.

ADF aims to fast-track growth, while meeting transformation objectives

- Funding pool to assist end-to-end Aquaculture projects
- Coordinates funding from various government departments and DFIs through an MoC
- Initial proposal for ADF to be managed by Land Bank/DFI
- Key focus of ADF to drive transformation / inclusivity by providing new entrants with access to funding in pre-production phase

Funding only required for new projects

Where ADF will operate



DFI - Development Financial Institutions; DAFF - Department of Agriculture, Forestry & Fisheries; Seda - Small Enterprise Dev Agency
 NEF - National Empowerment Fund; DST - Department of Science & Technology; ICD - Industrial Development Corporation;
 NAMC - National Aquaculture Marketing Council; NYDA - National Youth Development Agency

SOURCE: Aquaculture Lab

Deep dive: A coordinated industry-wide marketing and industry-led effort needs to take place

(a) Market Intelligence



(b) Improve domestic markets



(c) Value chain ownership and product development



(d) Promote responsible, fair regulation and environmental certification

Scenario: With implementation of Operation Phakisa initiatives, Mrs. Nkosi and Mrs. Sibiya will be able to expand their farm

Related initiatives

