

# **Session: What do we want to know?**

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## **SIPHOKAZI's instructions**

- Create jobs
- Increase GDP
- Improve food security and nutrition

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## **OUR** collective task:

- 1) 3-5 overarching research themes
- 2) Some questions of climate impacts on SA's marine environment and living resources

# High- priority research topics (Implementation Workshop, Oct. 2016)

Research topic	Species
Continue and improve current monitoring of abundance and distribution	All
Improve understanding of effect of environment on above	All
Improve understanding of the effect of changes in environment on behaviour	Most
Improve current population models, particularly by allowing for greater natural variability in stock size	All existing population models
Improve understanding of effect of environment on life cycles and biological parameters (growth, maturation rates, etc. )	Most
National programme to monitor acidification	West & South Coast rock lobster, Line fish, Abalone, Oysters & mussels
Studies on effects of acidification on marine life	West & South Coast rock lobster, Line fish, Abalone, Oysters & mussels
Accelerate development of electronic log-book system for real-time spatial analysis of catch and effort data	Demersal fish (inshore & offshore), Line fish
Stock separation studies	Small pelagics, Offshore demersal and MWT fisheries, Line fish, Etc.
Improve weather forecasts and storm prediction	Line fish, West Coast rock lobster, Marine aquaculture
Improve predictions of sea-level rise	Marine aquaculture , Line fish, West Coast rock lobster
Improve predictions of HABs and LOW events	West coast rock lobster, Line fish



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## **YOUR** individual inputs:

- A. Up to three key questions
- B. One research theme