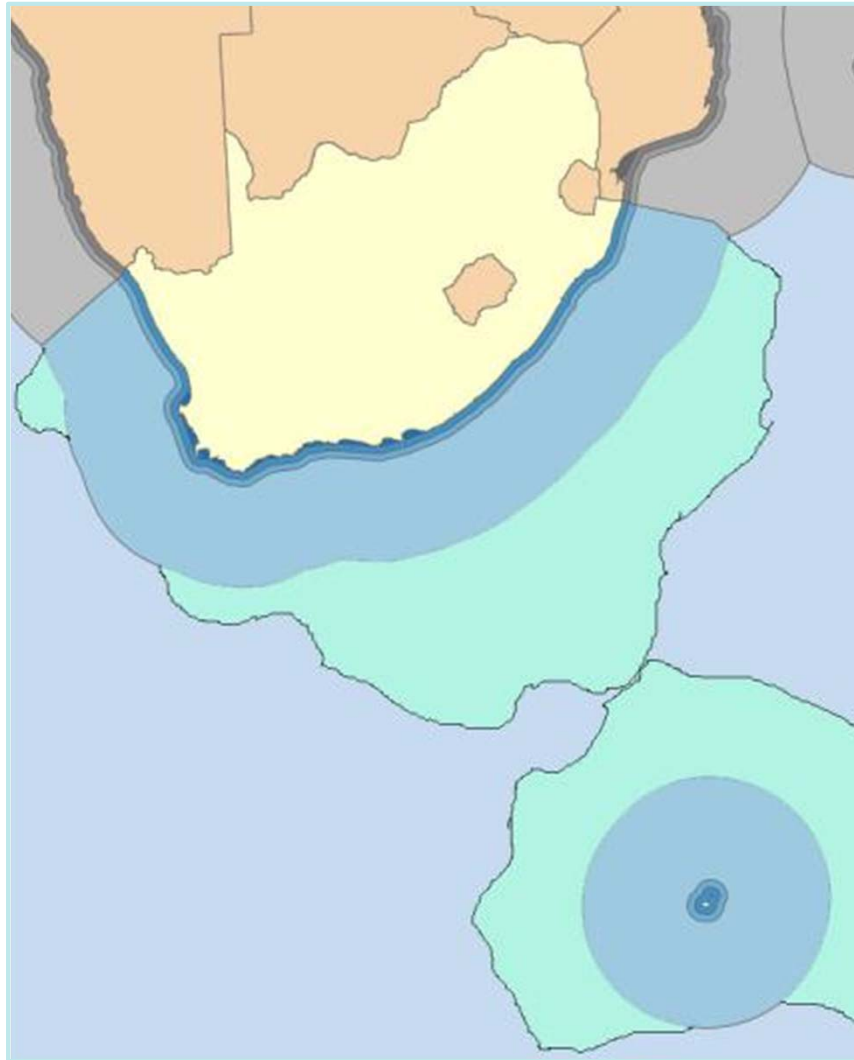


South Africa has more ocean space than land, and our ocean will increase should the extended continental shelf claim be successful

Legend Land Mass EEZ Extended Continental Shelf Claim



Land Size:

1.2 mil km²

Exclusive Economic Zone (EEZ)
Size:

1.5 mil km²

- South Africa is responsible for managing an **oceans space** that is **greater** than the **land territory**
- Extended continental shelf claim will **double** the size of the **ocean geographic extent**

With such a large ocean jurisdiction, effective governance is critical but will be challenging given the size and complexity of our oceans

~3,900

**kilometres of coastline
(including the Prince Edward Islands)**



~20

**Key departments and institutions in
the marine environment with distinct
roles and maritime policies**

Activity	Start	End	Responsible Entity
Implementation of a Service Standard for Marine Environment	March 2012	30 June 2012	CD: MMS
Publication of a Service Standard for the Operation and Maintenance of Marine Vessels	March 2012	30 June 2012	CD: MMS
Public Consultation on the Proposed Marine Environment Service Standard	March and April 2012	30 June 2012	CD: MMS, Service Standard Working Party
Call for Applications	April 2012	30 June 2012	CD: MMS
Determination of Terms of Reference	April 2012	30 June 2012	CD: MMS
Processing of Applications	April 2012	30 June 2012	CD: MMS
Allocation to Designated Authority	April 2012	30 June 2012	CD: MMS
Call for Applications	April 2012	30 June 2012	CD: MMS
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Allocation to Designated Authority	April 2012	30 June 2012	CD: MMS

~50

**National Acts regulating marine
governance**



4

**Coastal provinces with their own
socio-economic context and
development goals**



To achieve the Lab's overall objective, specific targets were identified for each focus area

Integrated Ocean Governance and Protection

To implement an overarching, integrated ocean governance framework for sustainable growth of the ocean economy to maximise socio-economic benefits whilst ensuring adequate ocean environmental protection within the next 5 years

Integrated Framework and Governance



Development of an overarching governance plan by March 2016

- Single overarching policy framework
- Institutional framework for ocean governance
- Tools to decide on trade-offs
- Ocean governance capacity building

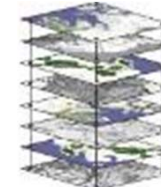
Ocean Protection



To protect the Ocean environment from all illegal activities and promote its multiple socio-economic benefits by:

- Improving the Marine Protected Area (MPA) network and expanding it from 0.42% to a representative network
 - Reducing illegal and unregulated activities in the ocean space
 - Reducing human health and environmental risks to pollution
- with results by 2017

Marine Spatial Planning



To deliver a National Marine Spatial Planning Framework by Dec 2015 and thereafter deliver a Regional (Sub-National) Marine Spatial Planning Framework and lastly the more detailed small scale Marine Spatial Management Plan that enable a sustainable ocean economy

The Lab proposes the implementation of 10 key initiatives to achieve these targets

Integrated Ocean Governance and Protection

Integrated Framework and Governance



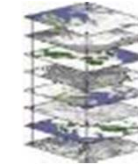
- 1 Ministerial Committee and Secretariat to Govern Activities
- 2 Enhancement of Legislation into the Integrated Coastal and Oceans Management Act or Oceans Act
- 3 Review of ocean-related legislation and international instruments
- 4 Accelerated Capacity Building Intervention in Ocean Governance

Ocean Protection



- 5 Enhanced and Coordinated Enforcement Programme
- 6 National Ocean and Coastal Information System and Extending Earth Observation Capacity
- 7 National Ocean and Coastal Water Quality Monitoring Programme
- 8 Creation of a Marine Protected Area Representative Network
- 9 Marine Protected Area / Marine Spatial Planning Discovery, Research & Monitoring Programme

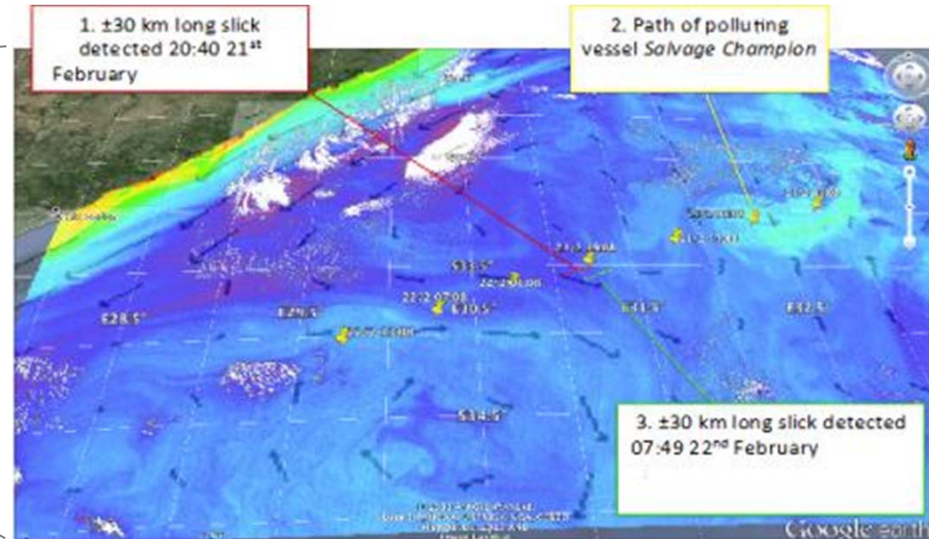
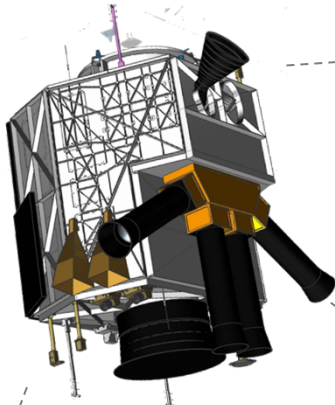
Marine Spatial Planning



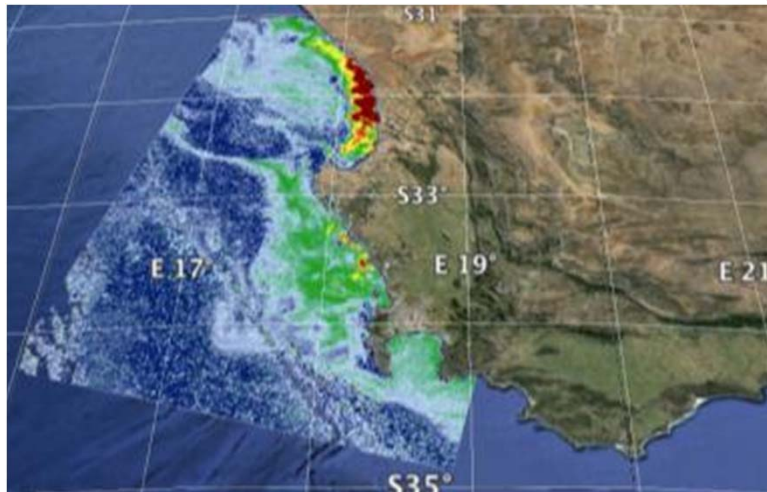
- 10 Marine Spatial Planning Process

Quick Win: First Results by **March 2016**

Deep dive: As part of the Coastal Surveillance initiatives, we want to leverage on existing technologies owned by CSIR, SANSA and SAMSA



Oil Slick Detection and Monitoring



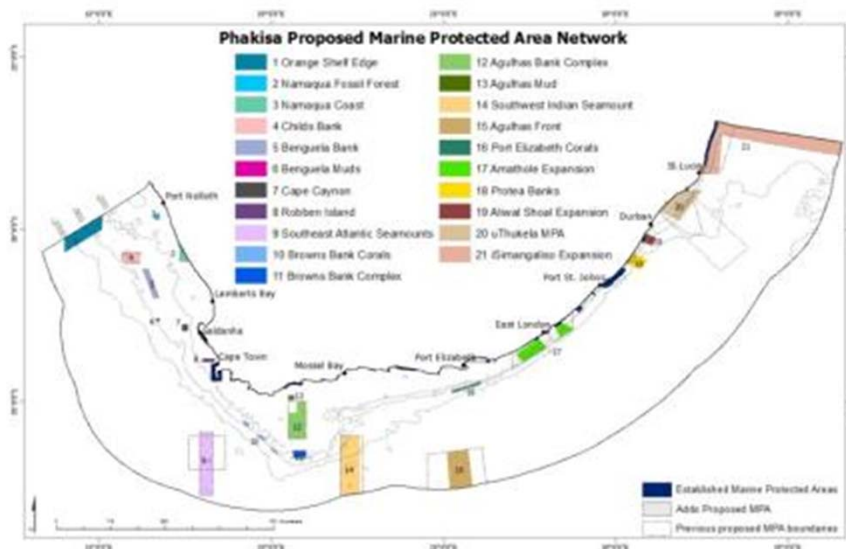
Harmful algae bloom detection which may affect human health

- Current SA technologies can potentially determine source of pollution by combining SAMSA's ship tracking technologies and also determine if necessary interventions will be required based on ocean current monitoring via CSIR and SANSA technologies
- Effective monitoring may potentially save on expensive deployments if the situation does not require them

CSIR – Council for Scientific & Industrial Research;
SANSA – South African National Space Agency;
SAMSA – South African Maritime Safety Authority

Deep dive: To achieve sustainability, we will embark on a Marine Protected Area (MPA) representative network

Fast track protection of known sensitive and unique habitats



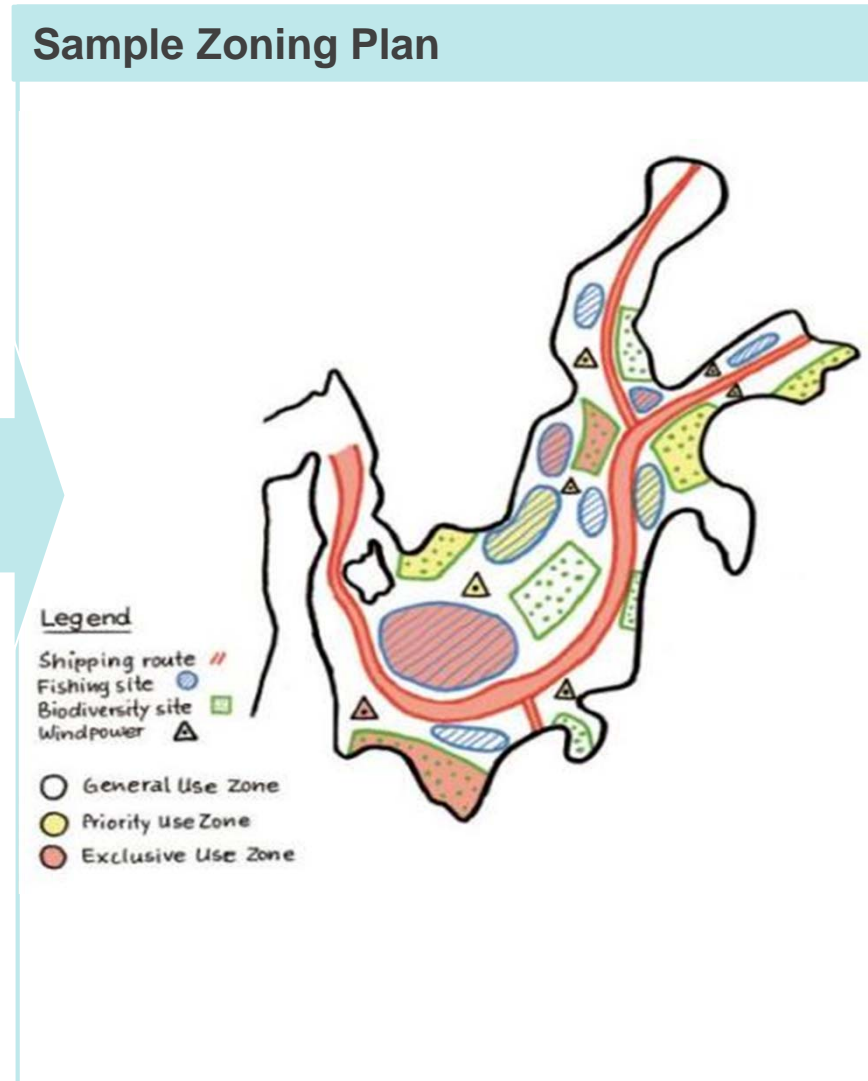
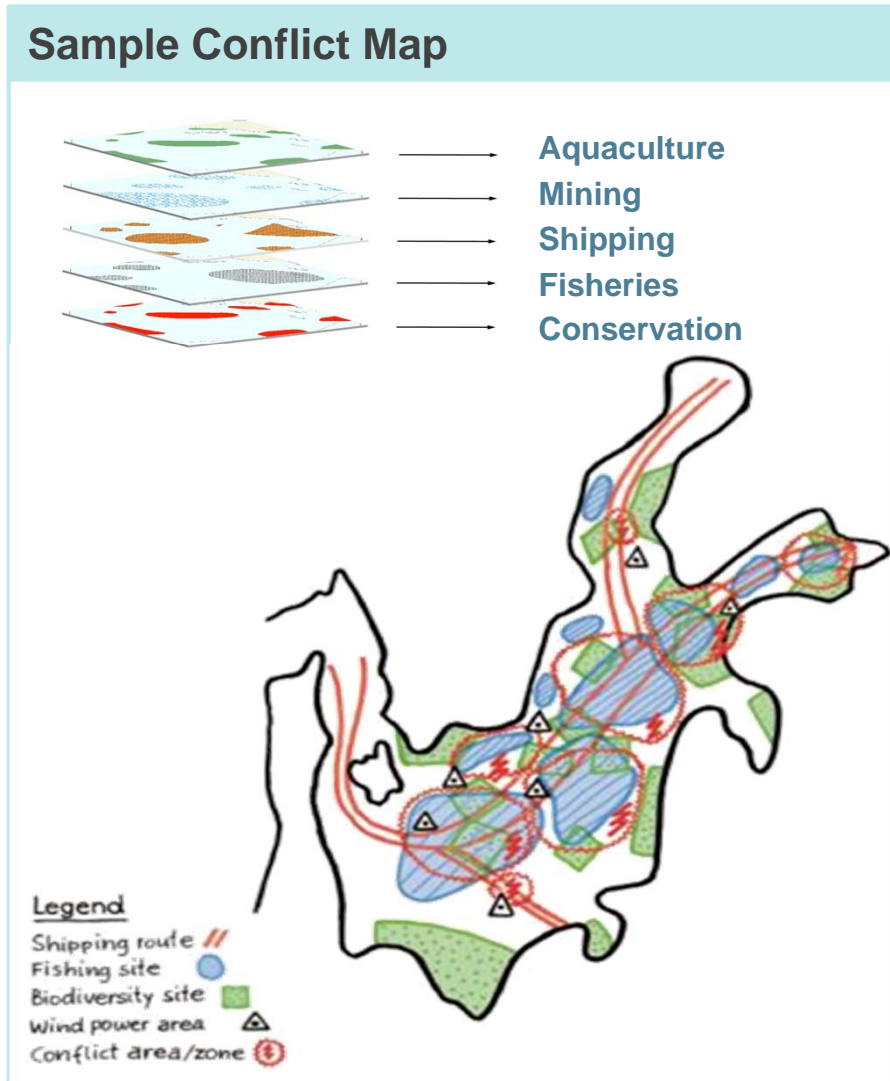
Discovery of new areas and monitoring for evaluation

- To identify important areas for protection in the next 5 years, recognizing that more research is needed to support the development of a representative MPA network.
- To conduct research in poorly studied areas to provide spatial data for Marine Spatial Planning and assess these areas for possible inclusion in a representative MPA Network.
- To develop monitoring systems to assess effectiveness of the MPA Network.

Lab has designed the following additional Outputs:

- ✓ Technical Report on MPAs, including latest detailed maps
- ✓ Compilation of stakeholder consultation notes
 - ✓ Pre-consultations in-labs include with DAFF, DMR, PetroSA, MPA Specialists, Marine Scientists, WWF, Coastwatch, Trawl Fishery Association, Charter Fishermen, Divers, and several Eastern Cape Stakeholders

Deep dive: By identifying Conflict Zones, the Marine Spatial Planning (MSP) process will then be able to determine the appropriate zoning and usages



The Marine Spatial Planning process is a consultative and adaptive process

