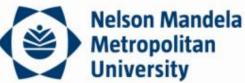


Making our Marine Spatial Planning research matter









for tomorrow





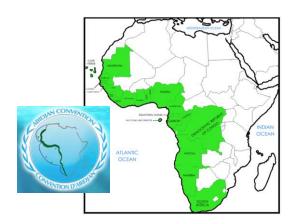
South African National Biodiversity Institute





National Research Foundation

Regional





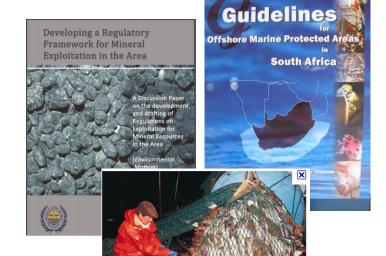
MAINE SPATIAL FLANKING BILL

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The fingular text as the official text of the All 2017)

ROPERATION
PHAKISA

Operation Phakisa: Unlocking the Economic
Potential of South Africa's Oceans

sector



Local



What exactly is MSP?

Proactive, comprehensive, science-based decisionmaking process that proactively considers:

- Where human uses can take place on, in, or near coastal and marine ecosystems; and
- What standards should apply to those uses with an overall goal of sustaining or enhancing ecosystem health and function.











Challenges for MSP



Protecting Ecosystem
Health



Incorporating Fishing Sectors



Addressing Cumulative Impacts



Taking Climate Change into Account



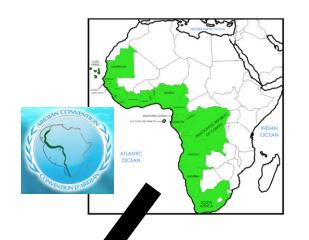
Making the Land-Sea Connection



Using a Robust
Structure & Process



Regional





EBSA

Seamless & Scalable Coastal & MSP for the Ocean Economy of Africa









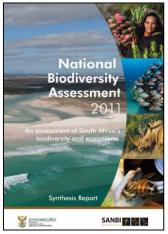






South Africa-Canada Chairs Initiative (SACRI)

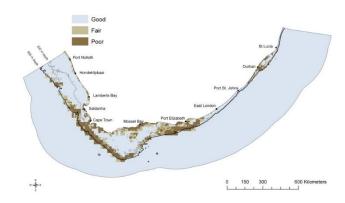






REPUBLIC OF SOUTH AFRICA

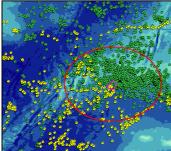
MARINE SPATIAL PLANNING BILL

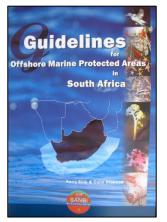


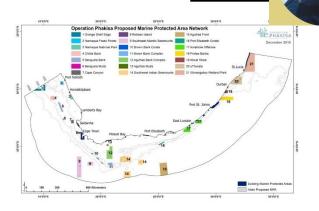
National

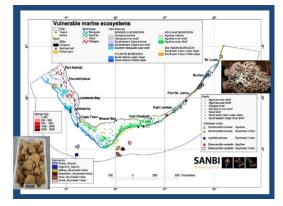
Operation <u>Phakisa</u>: Unlocking the Economic Potential of South Africa's Oceans

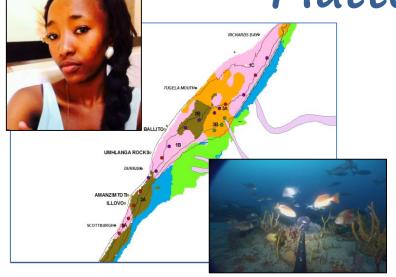


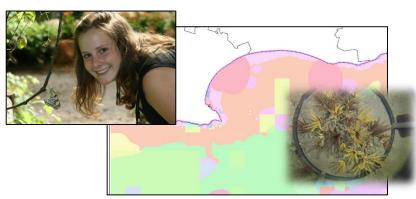










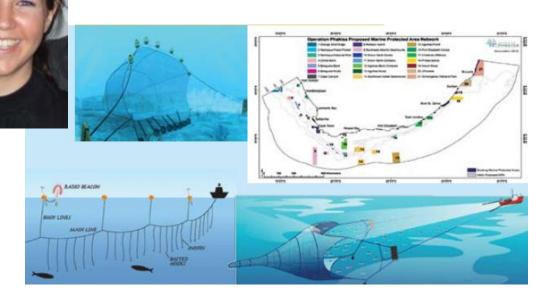




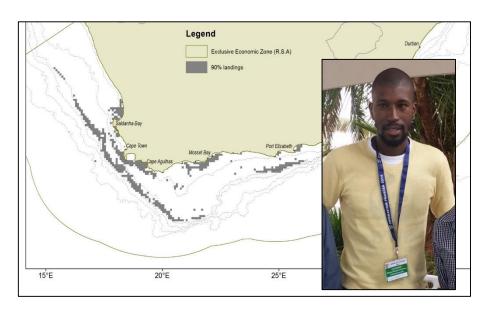


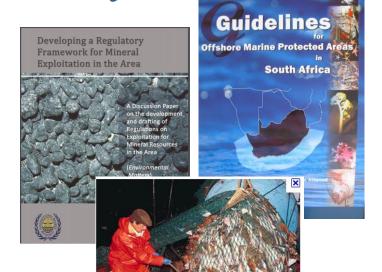












Challenges for MSP



Protecting Ecosystem
Health



Addressing Cumulative Impacts



Making the Land-Sea
Connection



Incorporating Fishing



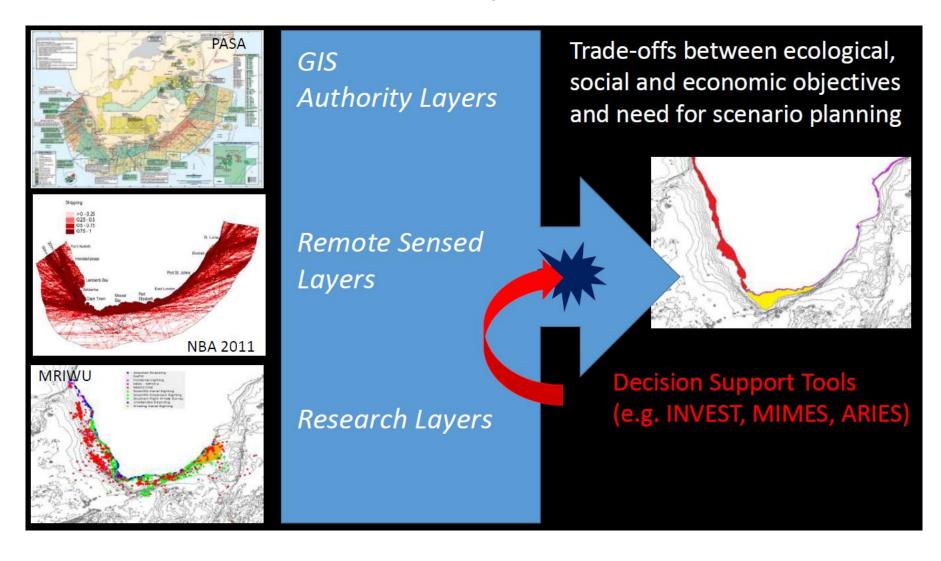
Taking Climate Change into Account



Using a Robust
Structure & Process



Scenario planning

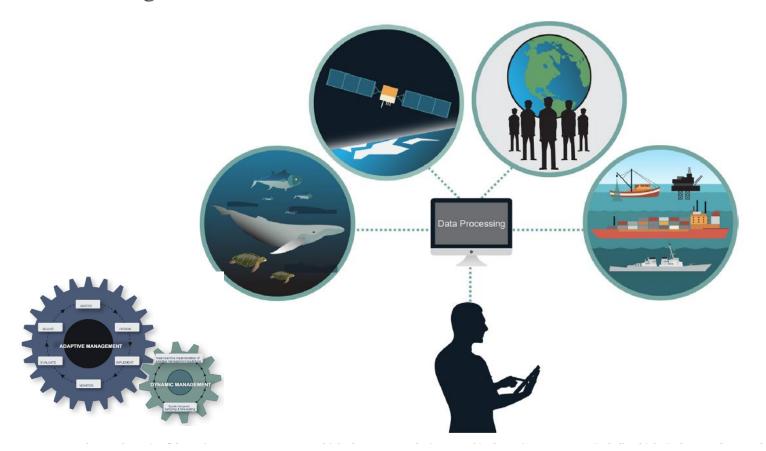




Marine Policy

journal homepage: www.elsevier.com/locate/marpol

Dynamic ocean management: Defining and conceptualizing real-time management of the ocean



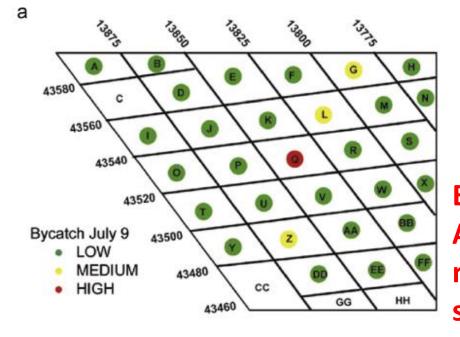
Maxwell et al. (2015)

- Dynamic, real-time spatial management schemes emerging as innovative & promising approaches for managing bycatch & discards
- Using real-time information to manage fisheries more responsively to fish stock dynamics
- Real-time spatial management has allowed for better management & utilization of target & bycatch quotas,
 - catch share programs / risk pools / ITQ



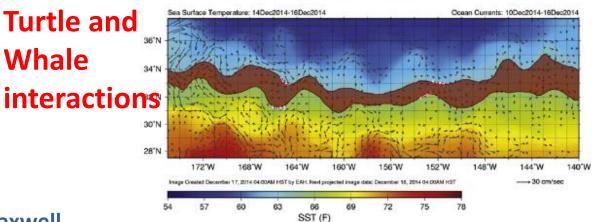
New England scallop fishery, Bycatch, Daily

C



EXPERIMENTAL PRODUCT

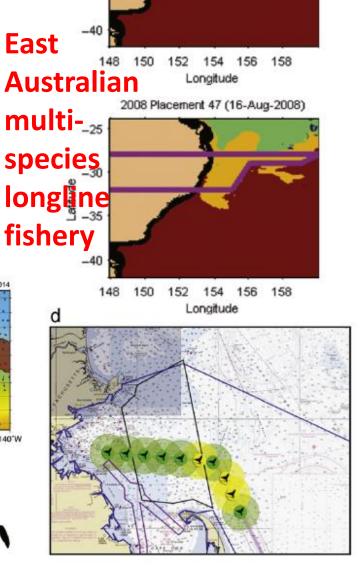
avoid fishing between solid black 63.5°F and 65.5°F lines to help reduce loggerhead sea turtle interactions



Maxwell et al. (2015)

PACIFIC ISLANDS FISHERIES SCIENCE CENTER
ECOSYSTEMS AND OCEANOGRAPHY DIVISION
2570 Dale Street, Honolulu, HI 96822
http://www.plic.noaugovieod/hurtlewatch.php
contact: Evan howell grosse gov
Date provided by Central Facilic Cosst March node

TURTLEWATCH



2007 Placement 36 (22-Sep-2007)

b

-25

-30

-35

Latitude

http://www.catchreport.co.za/



Home1

About Us V News

Q Fish Species V Dashboard V

Log C

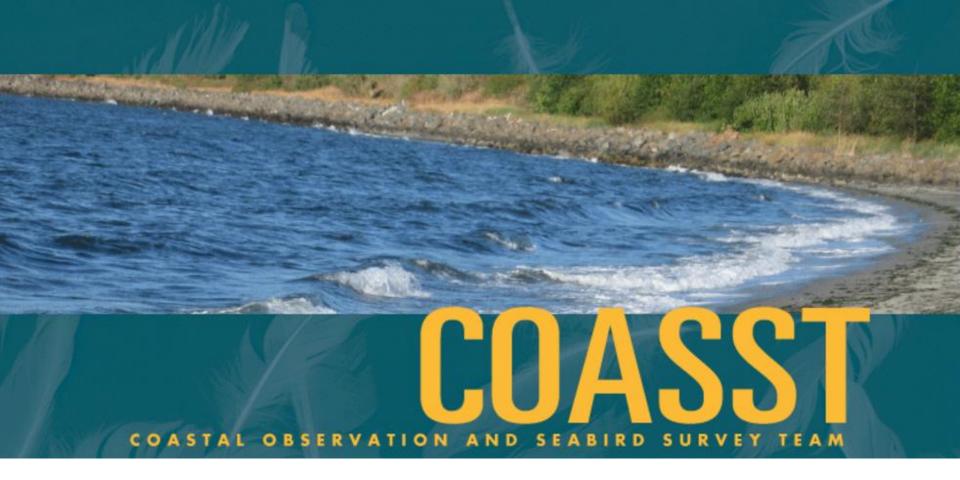
National Recreational Database

Available on

Desktops and Laptops Tablets and Smartphones





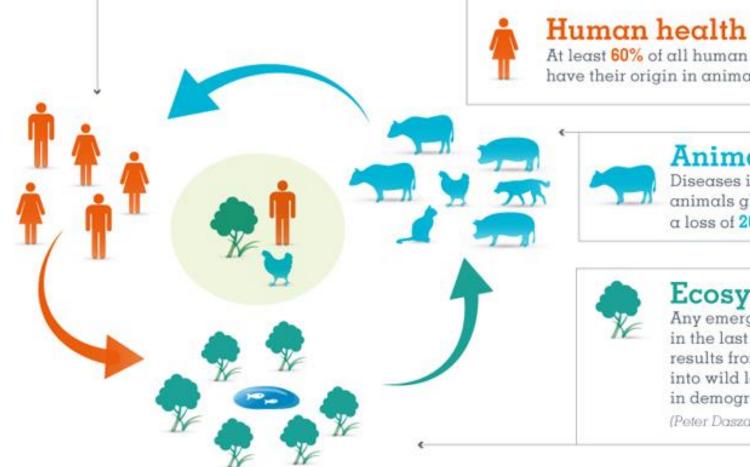




- beachcast birds
- 2. marine debris
- 3. evidence of human use of the beach environment

Oneleal

Human health, animal health and ecosystems are inextricably linked



At least 60% of all human diseases have their origin in animals

Animal health

Diseases in food producing animals globally amount to a loss of 20% in production

Ecosystem

Any emerging disease in the last 30 or 40 years results from encroachment into wild lands and changes in demography

(Peter Daszak, EcoHealth Alliance)

COMPASSIONATE CONSERVATION PARTNERS

The following organisations and experts expressly support the concept of compassionate conservation and work towards increasing the consideration of individual animals in conservation action







WildCRU, University of Oxford

Conservation Practice and Policy September 1, London Conservation Practice and Policy September 1, London Barrier Daniel Parine International Conservation Practice and Policy September 1, London Barrier Daniel Parine International Conservation Practice Property of the Conservation Practice and Property of the Conservation of

Centre for Compassionate Conservation

We are an innovative research, education and advisory centre that improves the welfare of wild animals using a Compassionate Conservation approach.



