



Using systematic biodiversity planning principles to identify and map Key Fishing Areas

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Overview

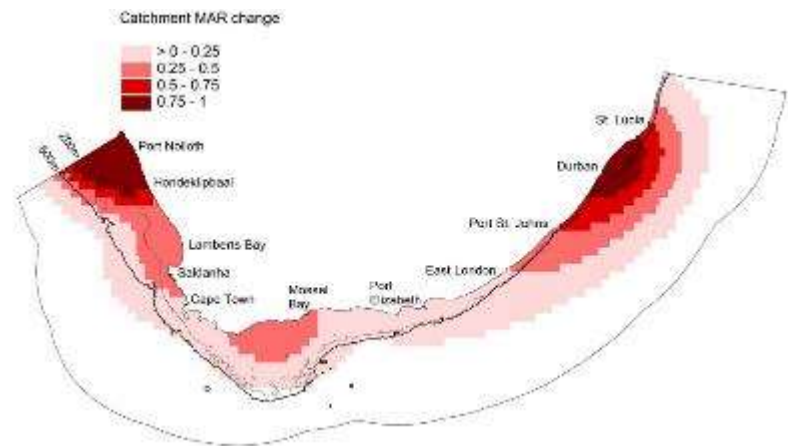
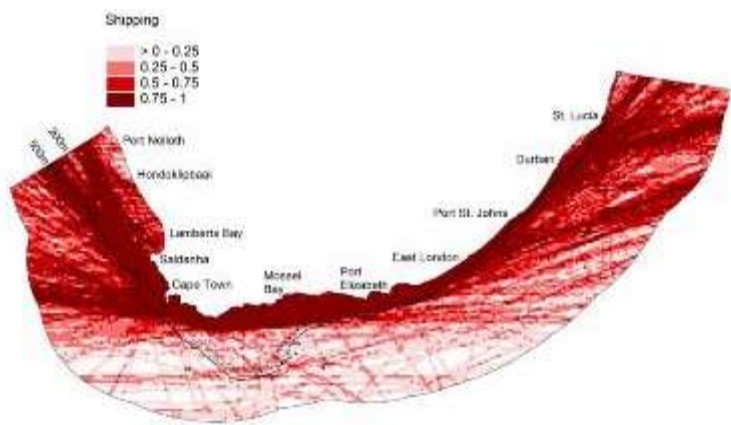
- Background
- History
- Contribution



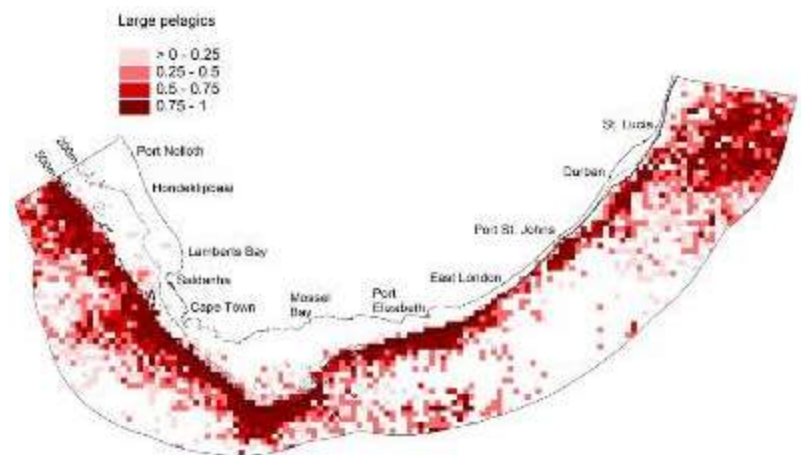
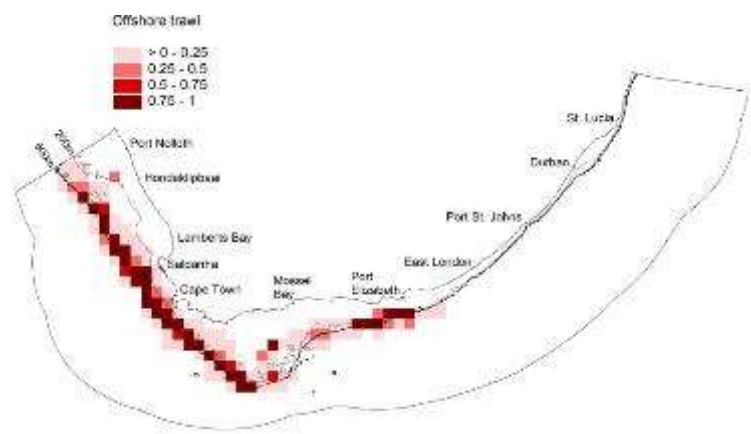
Background

The background is a colorful illustration of a coastal city and marine environment. In the foreground, there are stylized waves in shades of blue and green. Below the waterline, various marine life is depicted, including a blue bird-like creature, several fish, and a red crab. In the middle ground, a large grey ship is docked at a pier, and a smaller green boat is visible. The background features a city skyline with various buildings, a tall skyscraper, and a yellow sun in the upper right corner. The overall style is modern and illustrative.

- Marine environment play important role by providing goods and services – Marine depended sectors
- These sectors combine play an important role socio-economic benefits/values
- However, these sectors can negatively impact environment
 - Driven by non-integrated spatial planning



Pressures on marine environment



History of Fishing in South Africa



1960's – 70's

1972

1977

80's

90's

2000 -

Intense foreign fishing activities

Decline in most marine stock

- Mismanagement
- Over exploitation
- Species extinction
- & alteration of food web

Implementation of EEZ – stated coastal nation has sole exploitation rights

Relief from international fishing pressure

Total Allowable Catch (TAC) was enforced due to declined in species

Single species approach to fisheries management

Policy related

Government enforces strict conservation measures, including fishing quotas and closed seasons, to prevent overfishing and to protect the fishing industry

Ecosystem based approach

EAF – Ecosystem Adaptation to Fisheries

holistic management approach



Contribution

- Marine Spatial Planning
- Promote an **ecosystem-based approach** to fisheries management
- Provide better **informed decision-making** and **spatial planning**
- NBA 2011 suggested some priority action to minimize the impacts on ecosystems needed
 - “Determine and implement the most appropriate tools to manage and conserve marine ecosystem (e.g. MPAs, **Fishery Management Areas**, listing of marine ecosystems and collaborative management with offshore industries)”



.....Thank you.....

