

# Session 4

# Sharing of pilot experiences

*Moderator*

*Teerapong Praphotjanaporn*



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada



Statistics  
Canada

Statistique  
Canada



## Speakers



**Name:** Crystal Bradley

**Position:** Assistant Director, International Partnerships for Nature and Ocean Accounts Section, Climate Adaptation and Resilience Division

**Organization:** Australia's Department of Agriculture, Water and the Environment

**Name:** Ken Findlay

**Position:** Research Chair, Oceans Economy

**Organization:** Cape Peninsula University of Technology



**Name:** Rocky Harris

**Position:** Statistician

**Organization:** UK Department for Environment, Food and Rural Affairs



# Australian experience

*Crystal Bradley*

*Department of Agriculture, Water and the Environment (DAWE)*



# Australian Ocean Accounts

- **Prior to 2019** – Ocean accounts led by government, private sector, academia, NGO
- **Since 2019** – Supporting Australia’s participation in the High Level Panel for a Sustainable Ocean Economy
  - Geographie Marine Park pilot & Samoa ocean waste account pilot
  - Strong use case has led to increased understanding and demand for ocean accounting projects by end users
  - Challenges: Data, account selection, multidisciplinary inputs
- **Going Forward** – Ocean accounting commitments of High Level Panel members
  - Pathway to a ‘Complete sequence of national ocean accounts’

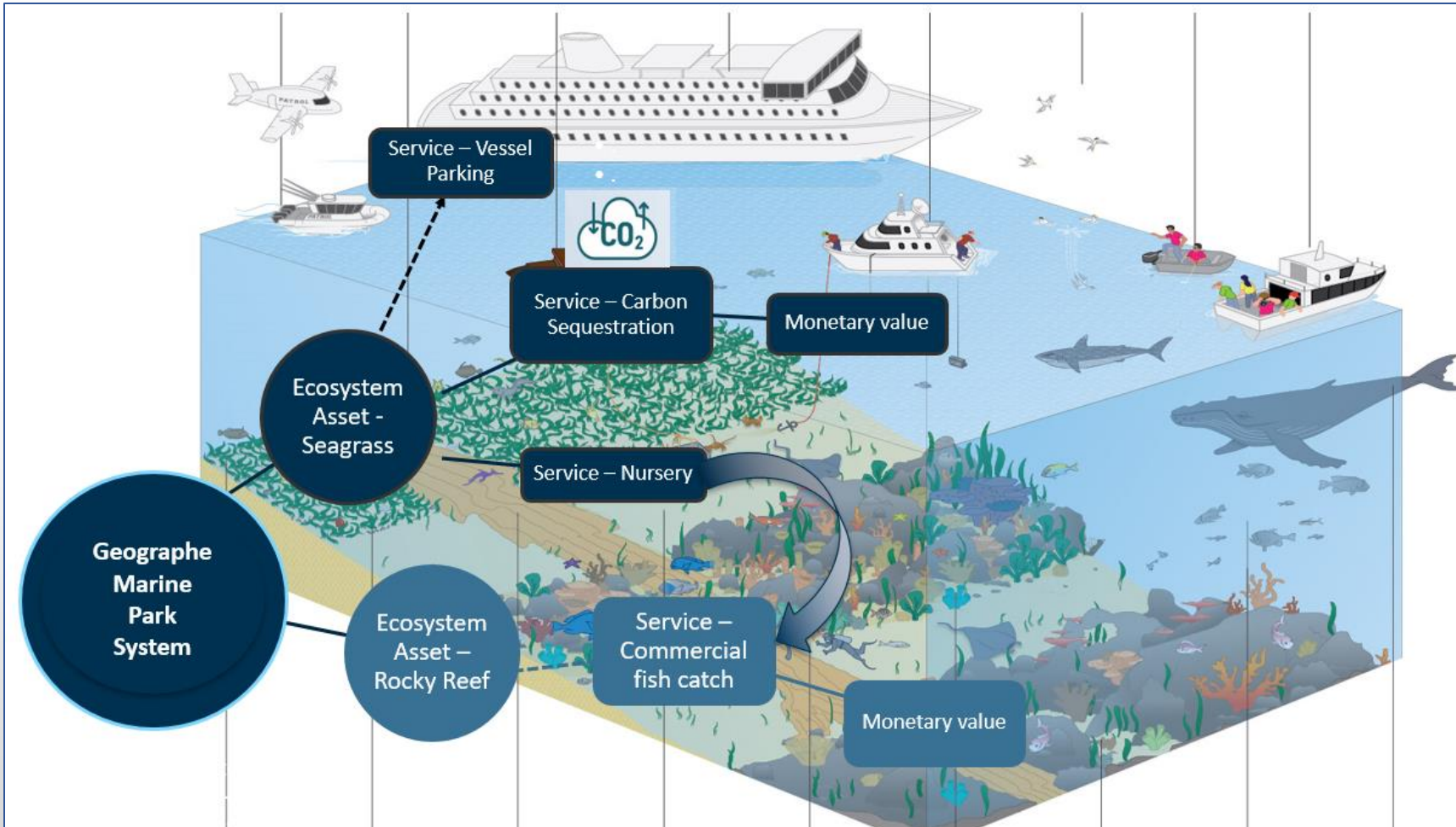


[www.eea.environment.gov.au](http://www.eea.environment.gov.au)

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# Geographe Marine Park Ocean Accounting Pilot



- **Extent** – Seagrass, rocky reef etc
- **Condition** – Seagrass density, fish biomass, abundance & species diversity
- **Services** – Nursery, fishing, carbon, whale tourism, vessel anchoring
- **Application** - Informed:
  - Design of the national Monitoring, Evaluation Reporting and Improvement framework
  - National compliance monitoring risk assessments
  - Baseline values and pressures of the new marine park

# African experience

*Ken Findlay*

*Cape Peninsula University of Technology (CPUT)*





## GOAP - AFRICAN COMMUNITY OF PRACTICE

<https://www.oceanaccounts.org/africa-community-of-practice/>

The aim of which is the creation of an awareness, an interest and an “appetite for use” of ocean accounts in ocean governance and decision making processes in African coastal countries (and potentially inland waters)



Associated to this are a number of CoPs or Working Groups including:

1. The Western Indian Ocean Governance Exchange Network (WIOGEN)

Working Group on Ocean Accounts

<https://wiogen.org/wiogen-themes/oceans-accounts/>

2. The Africa NCA CoP Oceans Accounts Working Group

<https://ecastats.uneca.org/ncacop/Ocean-Accounts>

3. The South African NRF CoP on Ocean Accounts Frameworks

<https://www.algoabayproject.com/ocean-accounts-framework>



## WIOGEN

West Indian Ocean Governance and Exchange Network is a scientific networking platform that aims to contribute to science to policy framework in the Western Indian Ocean (WIO) region.



## The Africa NCA CoP Oceans Accounts Working Group

The Africa Natural Capital Accounting Community of Practice (NCA-CoP) is a regional learning and knowledge exchange platform dedicated to fostering the compilation of environmental-economic and ecosystems accounts in support to the design, implementation and evaluation of environmentally-friendly policies for a sustainable development in Africa. The *Global Program on Sustainability, Gaborone Declaration for Sustainability in Africa, United Nations Statistics Division, and United Nations Environment Programme* have committed to technical support to this CoP.



## South African National Research Foundation Community of Practice: Ocean Accounts Framework



Eight Workplans / Work Packages centred on Algoa Bay, South Africa (Phase I) with potential expansion to the WIO in Phase II.







# South African National Research Foundation Community of Practice: Ocean Accounts Framework



National Research Foundation

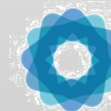
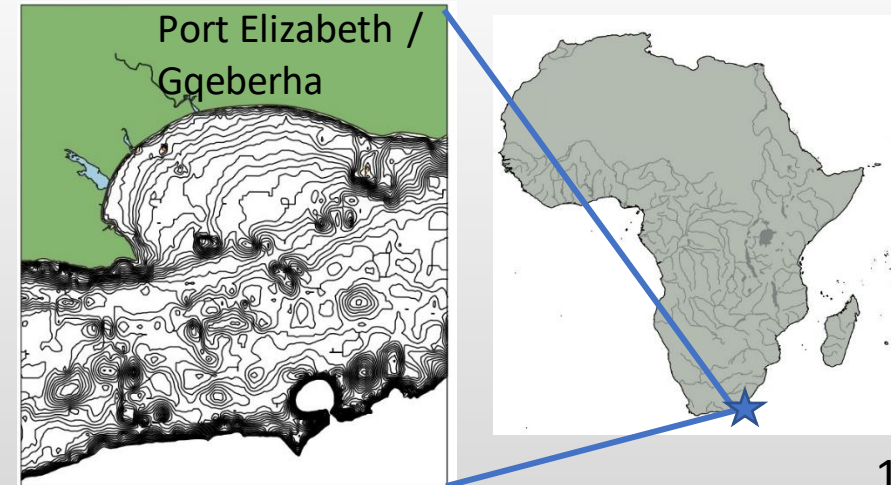
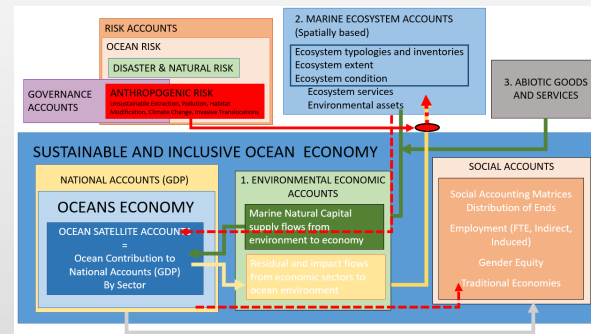
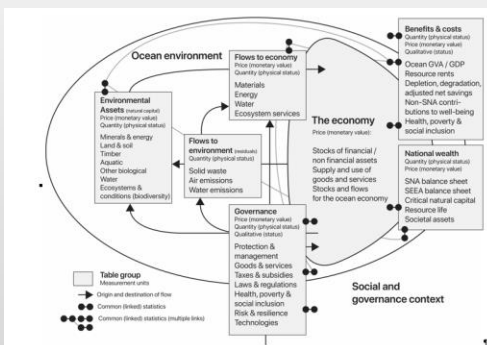


science & technology  
Department: Science and Technology  
REPUBLIC OF SOUTH AFRICA

This project aims to assess the applicability of the Global Oceans Accounting Partnership (GOAP) developed ocean-accounts framework (The O-A-F) in the Western Indian Ocean (WIO) as a central component of a wider strategy to ensure that ocean governance contributes as optimally as possible to the broader sustainable goal of Southern African and IORA Member States of the WIO to ensure the inclusivity, safety, security and sustainability of coastal communities.

Currently centered on a pilot study in Algoa Bay, South Africa in Phase One. Dovetails with NRF CoP Project on MSP in the region. Extension to WIO in Phase II.

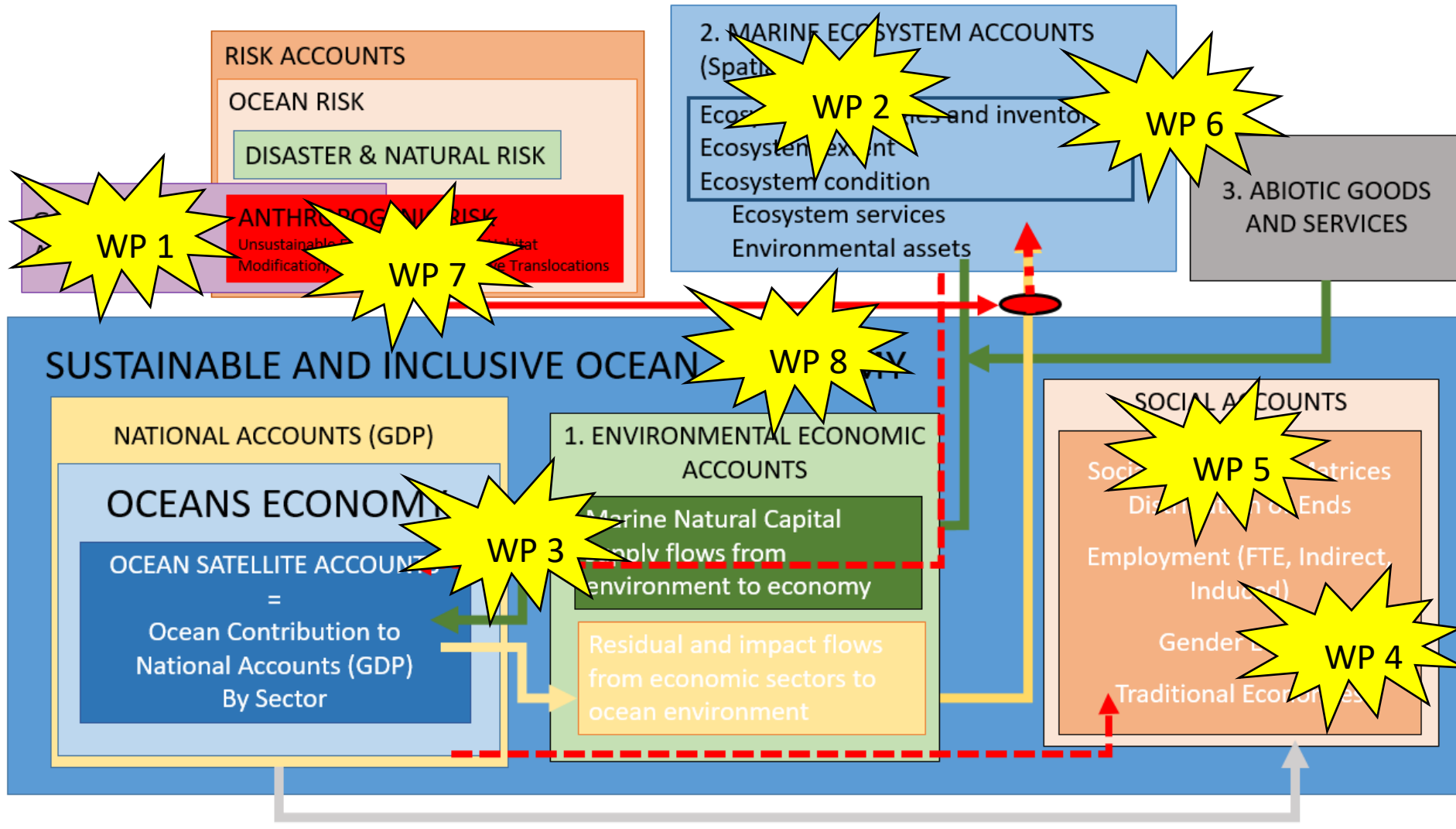
Technical Guidance on Ocean Accounting for Sustainable Development



OUR PARTNERS



Eight different Workplans / Work Packages assessing different aspects of the Framework across different disciplines. Although not sectorally aligned – the importance is ensuring that what is carried out is transferable across sectors, spatially or temporally.







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# UK experience

*Rocky Harris*

*Department for Environment, Food and Rural Affairs (Defra)*



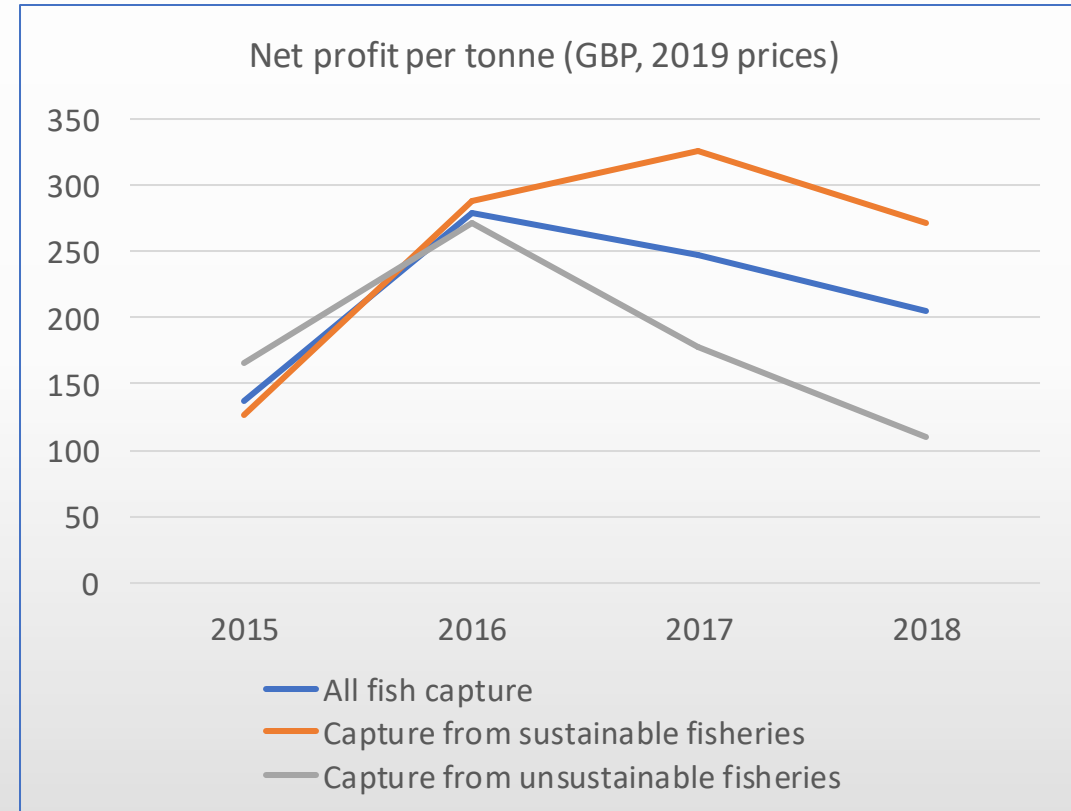
# United Kingdom: Rocky Harris

- UK pilot natural capital accounts completed in 2019; updated 6 April 2021
- Objective: to include marine assets in the UK's natural capital accounts
- Natural capital accounts
  - Bring relevant data together into a coherent framework
  - Enable different disciplines to use common terms and perspectives
- Latest accounts cover 9 different ecosystem/abiotic services, and incorporate 2 key condition indicators
- Next challenges:
  - Refinement of estimates of value of carbon capture/storage
  - Clarification of relevant condition variables
  - Focus on particular marine areas of policy interest

# United Kingdom: Rocky Harris

## Latest findings

- Since 2016, sustainable fishing has been more profitable per tonne than unsustainable fishing
- The value of marine renewable energy production grew nearly forty-fold from 2008 to 2018
- Recreation and carbon capture/storage service values are also both important



<https://www.ons.gov.uk/releases/uknaturalcapitalaccountsmarine2021>