



# **1.0 Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR)**

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# Antarctic Treaty System

**Antarctic Treaty (1959)**

**Conservation of Flora and Fauna (1964)**

**Conservation of Seals (1972)**

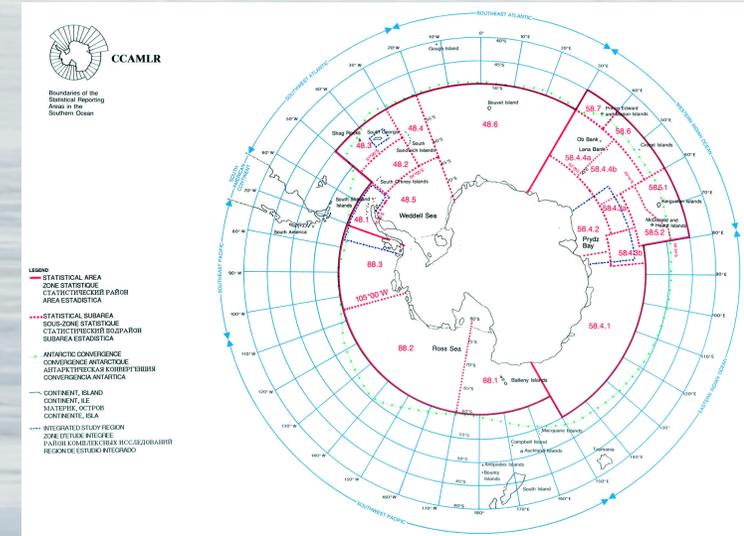
**Conservation of Antarctic Marine Living Resources (1980)**

**Protocol on Environmental Protection (1991)**



# CAMLR Convention

- **Negotiated by the Antarctic Treaty Parties; came into force in 1982**
- **25 Members, consensus-based decisions**
- **Commission; Scientific Committee**
- **Ecologically-based Convention area**
- **Toothfish, Krill**



# Convention on the Conservation of Antarctic Marine Living Resources

One of World's first Fishing treaties based on an **Ecosystem Approach to Management**, which takes into account the relationship among:

- Harvested Species (target species)
- Related Species (by-catch species)
- Dependent Species (birds and seals dependent on target species)

## Article II

- *Objective: The conservation of Antarctic marine living resources. Conservation includes "rational use".*
- *Harvesting and associated activities conducted in accordance with the following principles:*
  - *Prevention of decrease in size of any harvested population below those which ensure stable recruitment;*
  - *Maintenance of ecological relationships between harvested, dependent and related species*
  - *Prevention of changes or minimization of risk of changes in the marine ecosystem that are not potentially reversible over 2 to 3 decades*

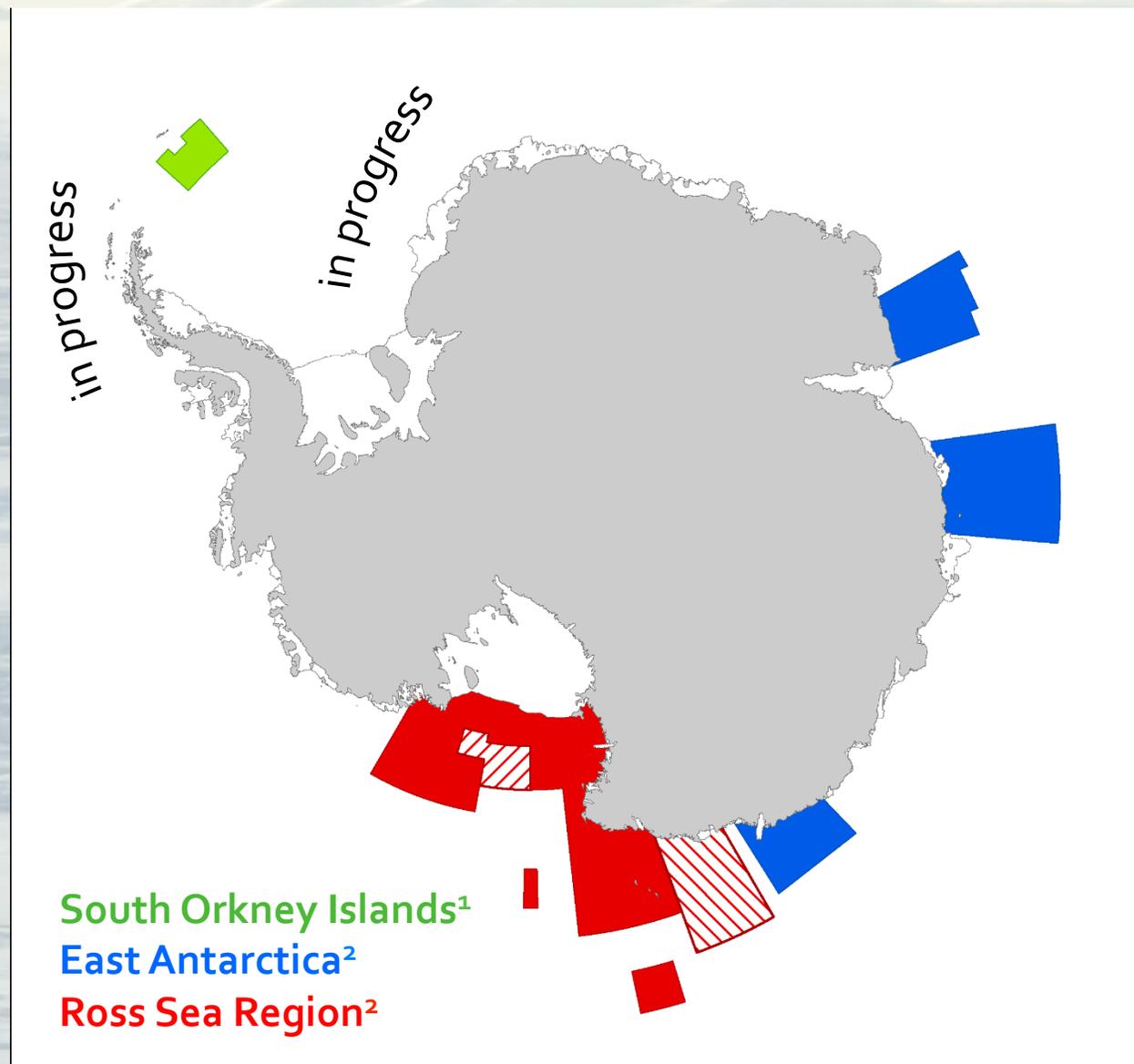
# CCAMLR Management Tools

Conservation Measures (developed on the basis of the best scientific advice available):

- Open/Closed Areas
- Seasonal Limits and Closures
- Catch Limits
- Gear Types
- Fishing Practices
- Marine Protected Areas

**Globally-recognized** as an intergovernmental model and **leader** in **precautionary, science-based marine ecosystem management**

# MPA Developments in CCAMLR



<sup>1</sup> MPA currently in force   <sup>2</sup> proposed MPA

# U.S. Antarctic Marine Living Resources Convention Act

## **Provides the legislative authority necessary to implement the CAMLR Convention.**

- Representatives
- Regulations, system of observation & inspection, civil penalties, criminal offenses, enforcement
- Federal agency cooperation and responsibilities
  - The **Secretary of Commerce**, in consultation with the Director of the National Science Foundation, the Secretary of State and the heads of other appropriate Federal agencies, shall design and conduct the program of directed scientific research...coordinated with the United States Antarctic Program
  - The **Secretary of Commerce**, in consultation with the Secretary of State, the Director of the National Science Foundation, and other appropriate Federal officials, shall prepare a plan, updated annually, for conducting the directed research program .... The plan shall—
    - describe priority directed research needs for the implementation of the Convention;
    - identify which of those needs are to be fulfilled by the United States; and
    - specify the design of the research and the funds, personnel, and facilities required for the research, including, in particular, the need for the cost of enhanced ship capacity.

# U.S. Delegation to CCAMLR: NOAA Role

- U.S. Department of State
- NSF
- Private sector advisors
- NOAA
  - Sustainable fisheries policy
  - Seafood traceability
  - Compliance and enforcement
  - **Ecosystem science**

# NOAA Science Role at CCAMLR

- NOAA Ecosystem Science
  - Science advice that directly informs management
    - Range of issues
    - Scientific assessment
    - Detailed and/or directed advice on
      - MPAs
      - Krill and krill management
- CCAMLR leadership
- Global science diplomacy and science leadership

A wide-angle photograph of a desolate, icy landscape. The foreground and middle ground are covered in a vast expanse of flat, white ice with subtle textures and shadows. In the distance, a range of mountains is visible under a pale, hazy sky with some light clouds. A small, dark silhouette of a penguin is positioned in the lower center of the frame, providing a sense of scale to the immense landscape.

**Questions?**