

# Presentation to the Because the Ocean Side Event *Incorporating the Ocean in NDCs @COP24*



**Ministerio de  
Relaciones  
Exteriores**

**Gobierno de Chile**

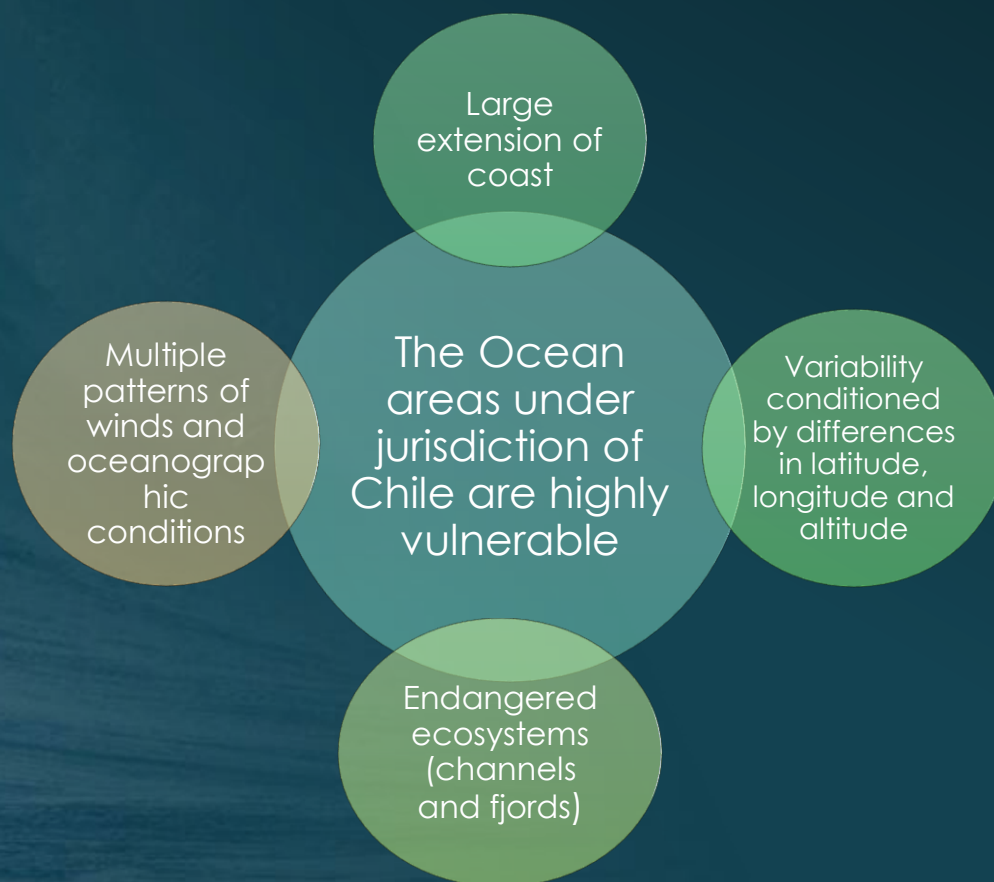
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Ocean, Foreign Ministry, Chile**

**Katowice, Poland - 7 December 2018**

**[www.BecauseTheOcean.org](http://www.BecauseTheOcean.org)**

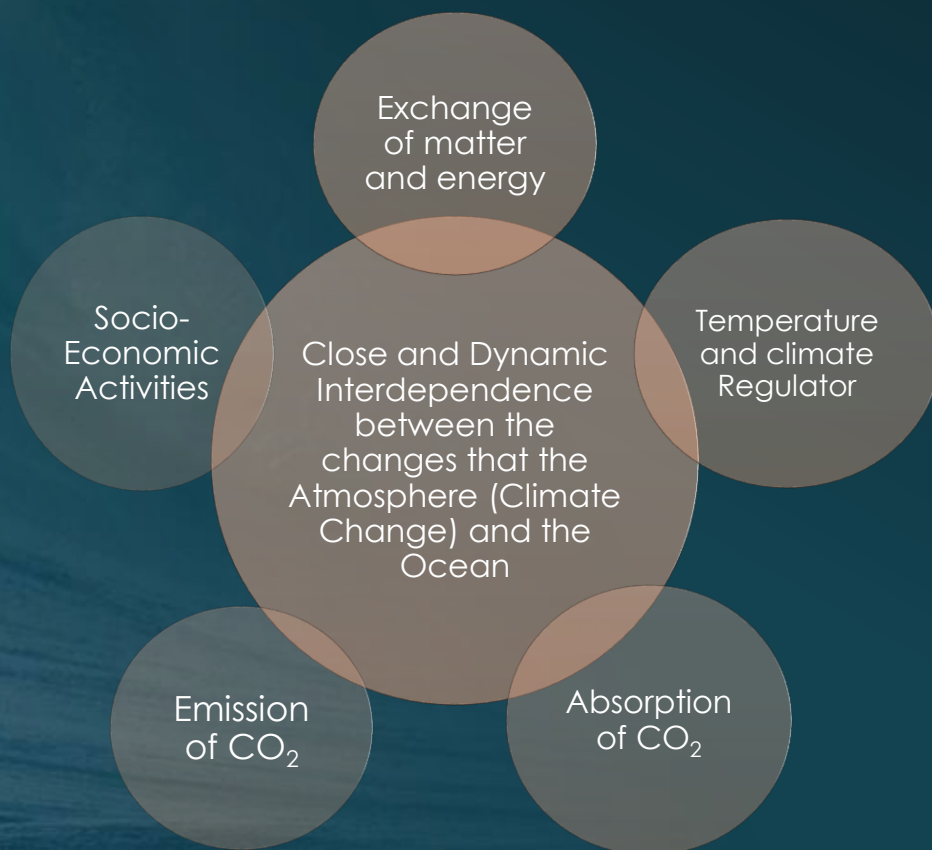
# Chile – How to incorporate Ocean in NDC?

## Vulnerability of Ocean of Chile to the Climate Change

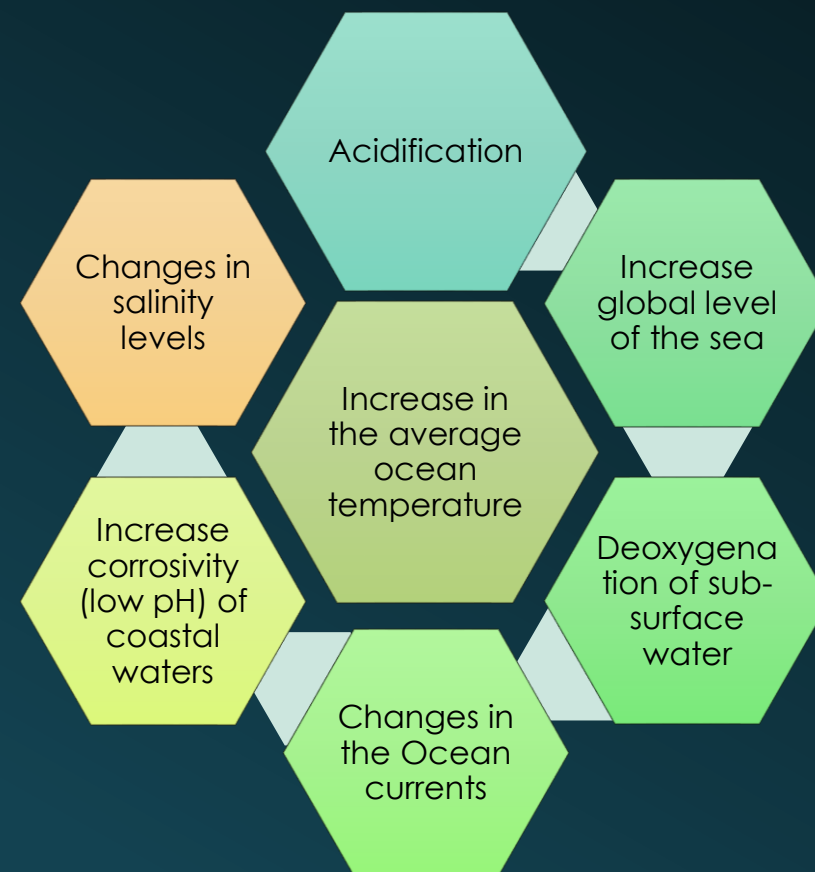


# Chile – How to incorporate Ocean in NDC?

## Ocean and Atmosphere (Climate Change)



## Impacts Climate Change in the Ocean





# Chile – How to incorporate Ocean in NDC?

## Mitigation

Action	Conservation of coastal ecosystems with CO <sub>2</sub> capture capacity
Concrete Measures	▪ Inventory of coastal ecosystems
	▪ Scientific studies of Chilean Ocean to assess if it is mainly a source and/or sink of CO <sub>2</sub>
	▪ Mitigation potential of some ecosystems such as seagrass and algae (ex. kelp forest)
Co-Benefits	Better adaptation of coastal ecosystems to the impacts of climate change

Action	Improve energy efficiency and reduce the carbon footprint of fisheries and aquaculture industries
Concrete Measures	▪ Carbon footprint of aquaculture
	▪ Environmental impact of the desalination plants
	▪ Economic incentives for the reduction of carbon footprint
Co-Benefits	Contributes to the sustainable development of this sector

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## Mitigation

Action	Promote the cultivation or repopulation of algae
Concrete Measures	▪ Demands that the production be associated with the harvest to avoid decomposition
	▪ Develop regulations to provide incentives for algae repopulation
	▪ Promote the use of algae for food supply or pharmaceutical uses
	▪ Scientific studies regarding the possible environmental impacts
Co-Benefits	Diversification of local productive activity

Action	Regulating coastal pollution contributes to improving CO <sub>2</sub> capture capacity
Concrete Measures	▪ Cleaning actions of the Ocean and coastal areas
	▪ Strategies to combat marine litter and micro-plastics
	▪ Regulation about use of plastic bags in coastal cities
Co-Benefits	Better adaptation of coastal areas and cities

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## Adaptation

<b>Action</b>	<b>Expand the coverage of the research network of oceanographic variables on the continental, insular and Antarctic coast areas</b>
<b>Concrete Measures</b>	▪ Improve network of coastal meteorological stations
	▪ Improve oceanographic registries
	▪ Ocean monitoring systems that interact with international programs
<b>Co-Benefits</b>	Contributes to identify mitigation action lines in relation to CO <sub>2</sub> capture and marine conservation

<b>Action</b>	<b>Establish integrated monitoring networks at the regional level</b>
<b>Concrete Measures</b>	▪ Develop and improved regional agreements among South Pacific countries.
	▪ Introduce a transnational perspective in the definition of the role of the ocean

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## Adaptation

Action	Evaluate the vulnerability of coastal areas
Concrete Measures	▪ Elaborate coastal vulnerability maps
	▪ Strengthen the port infrastructure.
	▪ Capacity building of coastal populations regarding the management of environmental information

Action	Strengthen the capacity for adaptation of coastal communities
Concrete Measures	▪ Bring information and scientific knowledge about climate change to local communities
	▪ Systematize and disseminate good practices
	▪ Environmental education about climate change and the Ocean



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## Adaptation

Action	Promote a sustainable fishery
Concrete Measures	▪ Improve the Fisheries and Aquaculture Plan for promotion of sustainable productive practices
	▪ Include Climate Change element in the definition of sector management plans
	▪ Carry out fishery forecasting models for different climate change scenarios
	▪ Elaborate an integrated territorial planning instrument for the coastal areas



# Chile – How to incorporate the Ocean in NDC?

## Governance

### Actions

- Improve coordination between institutions and services with competence on marine territory
- Promote an Integrated Ocean Policy
- Improve dialogue between science and policy makers
- Develop consultation and participation instruments and processes

# Regional initiatives - How to incorporate Ocean in NDC?



“Because the Ocean: opportunities for including the ocean in NDCs in Latin America”

Santiago, 2-3 October 2018



# Regional initiatives -Main ideas presented in the Regional Workshop

- I. Role of the ocean as a carbon sink.
- II. Synergies between Marine Protected Areas and climate action.
- III. Process of inclusion the ocean in the UNFCCC and the progress of the "Because the Ocean" initiative.
- IV. Effects of climate change on fisheries and aquaculture.
- V. The need to strengthen the science-policy relationship for better informed decision-making.
- VI. Convenience of integrating processes that address the issue of ocean conservation in the multilateral sphere.
  - BBNJ
  - CCAMLR
  - Antarctic Treaty
  - Etc.

