

MEMORANDUM OF UNDERSTANDING

between

Instituto de Fomento Pesquero (IFOP)

Manuel Blanco Encalada 839
Valparaíso, Chile

and

Environmental Defense Fund (EDF)

257 Park Avenue South, NY 10010
New York, United States of America

for

Furthering Scientific Cooperation

1. The Instituto de Fomento Pesquero, Chile, (IFOP) and the Environmental Defense Fund, United States of America (EDF) (hereinafter referred to as "the Sides") enter into this Memorandum of Understanding (MOU) to encourage collaboration in areas of mutual interest and benefit to both Sides. Based on the principles of equality, reciprocity, transparency and accountability, this MOU serves as a general framework for cooperation between the two Sides and is intended to facilitate discussions for more specific programs of collaboration. Any specific program of collaboration or sharing of confidential information will be subject to formal agreement.

The purpose of the collaboration between IFOP and EDF is to enhance the shared understanding of the changing biological and socioeconomic context for the fisheries of the Humboldt Current ecosystem, through the joint development of new information, tools and models. The intent of this joint work is to build capacity, identify and evaluate new management applications using this improved knowledge that will enhance fisheries performance in Chile and beyond.

2. A key focus of this MOU will be to:
 - i. Encourage joint research activities in the areas such as:
 - Stock Assessment, Management Strategy Evaluation (MSE) and Ecosystem Modelling for selected Chilean fisheries,

- Ecosystem Based Fisheries Management (EBFM) or Ecosystem Approaches to Fisheries Management (EAFM), including the Human Dimension with emphasis in bio-economic modelling of fisheries.
 - Identify approaches (e.g., multi-species quotas or balanced harvest strategies) to fishery management that will foster biologically and economically desirable outcomes from those fisheries in the face of climate change.
 - Develop a model for the Humboldt Current to explore the performance of key regional forage fisheries under short-term environmental variability and long-term climate change.
 - Technological, data, and knowledge transfer in the fields of bioeconomic, climatic, and multispecies modeling between EDF and IFOP. Including, but not limited to, the use of a high-resolution climate model, which could be provided to IFOP for this or other modeling efforts
 - ii. Encourage the exchange of information and materials under a separate legally enforceable arrangement.
 - iii. Explore opportunities for supervision of postgraduate students and staff training, exchange of scholars/scientists for research cruises, courses, lectures, conferences, workshops, colloquia and symposia.
 - iv. Identify other areas of possible interest and collaboration such as:
 - Collaborate on fisheries science related to the various management regimes for small-scale fisheries in Chile.
 - Collaborate and, where appropriate, co-sponsor capacity building efforts between IFOP and EDF for related projects.
- 3. A designated person at each Side will oversee and facilitate implementation of this MOU in cooperation with other appropriate administrators at the respective institutions. The expansion of cooperative areas and activities is to be further discussed based on the needs and interest of both Sides. The EDF designates Ms. Erica Cunningham. The IFOP designates Mr. Mauricio Galvez.
- 4. The scope of activities under this MOU will be determined by funds regularly available at both institutions for the types of collaboration undertaken and by such other financial assistance as may be obtained by either institution from external sources.
- 5. Notwithstanding anything contained in this MOU, each Side retains its autonomy to conduct research independently of this MOU.
- 6. Each Side's rights, title and interest in its intellectual property and confidential information remains unaffected by the existence of this MOU. For the avoidance of doubt, neither Side, is obliged to disclose any confidential information to the other Side, and any disclosure or exchange of confidential information must be covered by an appropriate confidentiality agreement.
 - Materials produced as part of this agreement shall be owned by both IFOP and EDF, and can be redistributed based on mutual consent. Any eventual patent request by either side,


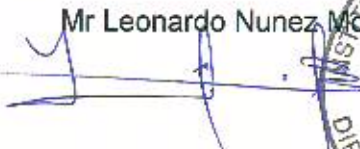
arising from results of research developed under this agreement, will be made jointly by both sides only, through mutual consultation and consent.

7. Upon signature by each Side, this MOU will be in effect for a period of five years or until otherwise terminated earlier in writing by either Side. It will renew automatically unless terminated in writing by either side. An evaluation of this arrangement will take place five years after the date of signing. Either Side may terminate this MOU by giving the other Side at least one month in advance notice of intention to terminate. Termination will incur no liability on either Side, and will not affect any agreements or other legally-binding arrangements in place between the two Sides.
8. This MOU is not governed by international or domestic law and does not constitute, nor is it intended to be a legally binding arrangement or contract. It does not create any legally binding or enforceable obligations, express or implied. It serves only as a record of each Side's separate intention pending execution of specific agreements governing the undertaking of activities as contemplated by this document.
9. Nothing in this MOU is to be treated as creating a partnership, agency, trust, joint venture or otherwise.
10. Any dispute, controversy or difference as to the interpretation of this Memorandum of Understanding will be settled amicably by mutual consent between the Sides.

For: The Fisheries Development Institute, Chile

Name: Mr Leonardo Nunez Montaner

Signature:




Title: Executive Director

Date:

For: Environmental Defense Fund, USA

Name: Mr. Thomas Grasso

Signature:



Title: Senior Director, Oceans Program

Date:

7/13/17

