

## ALFONSO AGUIRRE-MUÑOZ

*Curriculum vitae*

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### Biography

Alfonso Aguirre-Muñoz has an interdisciplinary formation and a blend of abilities and experiences. He is an Oceanographer and holds an interdisciplinary Ph.D. in Social Sciences with focus on Regional Studies and Sustainable Development from El Colegio de la Frontera Norte (COLEF), where he graduated with highest honours (*Suma cum laude*) and a historical average score (GPA: 10/10). Alfonso completed as well a graduate course in Aquaculture at Kagoshima University, Japan. He speaks five languages. His professional trajectory, of 40 years, has been in coastal and marine sustainable development and conservation, and island conservation and restoration. The working experience covers environmental conservation, natural resources management, academy, fisheries and aquaculture, banking and finances, and sustainable business.

During the last 15 years, Alfonso has been the Executive Director of Grupo de Ecología y Conservación de Islas, A.C., a successful science based Mexican civil society organization. His responsibility is to ensure that the restoration, use and conservation of the Mexican islands are done in an effective way, using the best available science and methods, and in collaboration with local communities, government agencies, international organizations, and academic institutions. While the organization privileges the field work and tangible conservation results, it is involved as well with scientific research, the development of policy tools, and the promotion of sustainable development with local communities.

For five years he served as NW Regional Manager of the Mexican Federal Government Fisheries and Harbours National Bank (Banpesca). He pioneered the development of the bivalve aquaculture industry in NW Mexico, conciliating development with coastal conservation. Thirty years ago he started with his brothers a flourishing family business, Agromarinos, S.A., in San Quintín Bay, devoted to oyster aquaculture and artisanal fisheries, now a model of a real sustainable activity that generates hundreds of jobs. Simultaneously, he has served as consultant to Mexican Government, private companies, and international agencies. His publications include interdisciplinary approaches on natural resource use and conservation. For more than three decades he has been actively working in favor of natural spaces and environmental rights, linking local interests with science, international and global arenas, and legal approaches.

Alfonso has done abundant volunteer work, from leading the construction of the first bicycle pathway in his hometown, to writing the bylaws of the Ensenada's Economic Development Committee and the Municipal Planning Institute, following a sustainability orientation. Alfonso comes from a traditional family (Brothers Aguirre-Benavides) that made significant contributions to Mexico's history, particularly during the Mexican Revolution. Ikerne, his older daughter (Oceanographer, and PhD in Human Geography, University of Otago, New Zealand) lives in Melbourne, where she works at the University of Melbourne focused on

climate change studies; Julene, an Industrial Designer (Schwäbisch-Gmünd Design Faculty in Germany, and MSc in Engineering for Innovation and Design at the Imperial College London, and the Royal College of Arts) works as Strategic Designer for Capital One in London. His wife, Joana Bielschowsky-Gottlieb (Brazilian-German) is a distinguished Industrial Designer that runs a design studio and teaches.

### Personal data

Name: Alfonso Aguirre Muñoz  
Nationality: Mexican  
Birth date: February 12, 1957  
Birth place: Torreón, Coahuila, México  
Marital Status: Married for 35 years to Joana Bielschowsky; two daughters  
Address: Av. Sauzal 91, Fracc. Nueva Ensenada,  
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### Education

Ph.D. Interdisciplinary Programme in Social Science with focus on Regional Studies and Sustainable Development. Excellence Program, National Science Council (CONACYT). *Summa cum laude*. GPA: 10/10 (highest record). Thesis: *Sustainable Development and Lifeworld*. Co-Directors: Dr. Jorge Bustamante (UN-Human Rights, University of Notre Dame, COLEF Founder President, Science National Award) and Dr. Enrique Leff Zimmerman (UN-UNEP and UNAM, ecology author). Research scholarship (contest), Project *Rural Mexico*, UCSD-Ford Foundation. COLEF, San Antonio del Mar, B.C. 1994-1998.

Master of Science. Coastal Oceanography. Free courses (60%) in natural resources subjects. GPA: 9.8/10. Autonomous University of Baja California (UABC), Marine Sciences Faculty (FCM). Ensenada, B.C. 1992-94.

Post-Graduate course. Aquaculture. Individual programme, tutored by Dr. Hachiro Hirata. Applied research and production. Stays at various research centres. Scholarship (by contest) from Japanese Government. Fisheries Faculty, Kagoshima University, Japan. 1980-1981.

Bachelor of Science (5 year programme), Oceanography. Interdisciplinary programme: Physics, Chemistry, Geology and History of the Earth, and Ecology. UABC, FCM. Several scholarships for research and teaching (by contest). Ensenada, B.C. 1975-1980.

Diploma in Research Methodologies: Social Sciences, Culture and Communication. Ibero American Jesuitic University. Tijuana, B.C. 200 hours. 1996-1997.

Diploma in Foreign Trade. GPA: 9.8/10. UABC. Ensenada, B.C. 174 hours. 1993.

Baccalaureate. Science area. Mexico University Centre CUM (Marist). México, D.F. 1972-1975.

High school and primary school. Official Swiss Government School in Mexico City. 1963-1972.

Languages: Spanish, Mother language; English, fluent; Portuguese, fluent (everyday language at home); German (first language at school for 9 years); Japanese, basic (intensive courses in Japan and Mexico, one year living in Japan); French, introductory level (high school).

### Professional experience

Conservación de Islas. Executive Director. Restoration, conservation and sustainable development of Mexican Islands. Legal, management, technical and fundraising responsibilities. Hands-on island restoration, using traditional and state of the art technologies. Eradication of invasive mammals. Seabird's active restoration. Sustainable development and quality of life with local communities and regional fishermen organizations. Environmental education. Interdisciplinary scientific research. International networking. Ensenada, Baja California. Mexico. From 2002.

- a) Organization. Organizational foundation and development. Personnel recruitment, systems, operations manuals, fundraising, formal non-profit status, corporate image. Staff of 100 people: field technicians, scientists and management. Human resources formation. Affiliation to the National Science Council. Funding sources: Federal Government (Environmental Ministry-Semarnat, National Science Council-CONACYT, Biodiversity Commission-CONABIO, Ecology and Climate Change Institute-INECC, Protected Areas Commission-CONANP; USFWS; International Organizations (UN-UNESCO, Global Conservation Fund GCF); National private (FMCN, FCGC, WWF México, Fundación Carlos Slim); and international (Packard Foundation, Marisla Foundation, NFWF, etc.).
- b) Environmental Public Policies. Work on all phases to achieve new protected areas decrees and develop management programmes in collaboration with regional fishermen organizations, Federal Government and Federal Congress.
- c) Field work on island conservation. Scientific research, base-line studies and monitoring. Multiple eradications of invasive species (58 eradications on 37 islands); use of helicopters, specialized personnel and advanced techniques (GIS, DGPS, Telemetry); pioneer work in Latin America. Vegetation and soil monitoring and restoration. Seabird active restoration. Local communities development. Co-management Agreement with Federal Government. Development of a Biological Station on the remote Guadalupe Island (Mexican Pacific). Intense collaboration with federal government.
- d) National relationships and network development: Environmental Ministry, Protected Areas Federal Commission, Biodiversity Federal Commission, Ecology Federal Institute, Ministry of the Interior, Navy, local fishermen co-operatives, and Research Centres and Universities.
- e) International relationships and network development: Landcare Research, New Zealand; The Nature Conservancy; Department of Environment and Conservation, Australia; Department of Conservation, New Zealand; Pacific Invasive Species Initiative, Southern Pacific; Galápagos National Park–Darwin Foundation; Natural History Museum, Rio de Janeiro, Brazil; Puffin Project, Audubon Society, Maine, USA; CEC, Montreal, Canada; Horibon Foundation of the Philippines; Institute of Ecology and Taxonomy of Cuba, Costa Rica, Asociación Costa Rica por Siempre, and Cornell Lab of Ornithology.
- f) Workshops and conferences: Committee Member, New Zealand 2010–Conference on Island Restoration. Committee Member, National Conference on Conservation and Sustainable Development of the Mexican Islands, June 2009. Organization of the First International Feral Cat Workshop, 2008. Guadalupe Island conservation conferences. California Islands Symposium, collaboration with the conferences' committee. Speaker in multiple National and International conferences.
- g) Environmental education and publications: Signals (design and production) for the conservation and good use of the Mexican islands; field guides; video documentaries; conferences and public hearings with islands' users and communities; games (design and production) for children; contributions to books on invasive species and island restoration and conservation.

Agromarinos, S.A. Family private business with international joint ventures. Foundation and everyday business management and development. Aquaculture, fisheries, and consultancy. Founder Director and partner for 20 years. 1,000+ metric tons annual harvests. Bivalves, seaweeds, sea urchin, etc. Alliance with conservation NGOs to protect the coastal region. Volunteer work to affiliate San Quintin Bay to the Ramsar Convention. Creation of the first bivalve aquaculture park in Mexico. First long-term bivalve aquaculture leases. From 1986.

Fisheries and Harbors National Bank - Banpesca: Policies, Projects Formulation and Evaluation, Strategic Planning, Fisheries Finances, Infrastructure Studies, Regional Planning. NW Regional Manager, attending Strategic Planning, Promotion and Credit. The region's harvest represents 60% (1 million metric tons per year) of the country's total seafood production. First Oceanographer and youngest Regional Manager in the bank. Formation of each of the areas attended: recruitment, systems and operations. Tasks: strategic planning, board member of regional credit committees, annual operations programmes, everyday loans operations, credit follow-up and evaluation. 60 MD allocations for new projects and regular operations. Start of the Mexican tuna fleet operation, 60+ new large purse-seine vessels. Resources from the Inter-American Development Bank (IDB) and Mexican federal budget. 5 years. 1982-1986.

## Other working experiences

Autonomous University of Baja California (UABC). Marine Sciences Faculty FCM, Oceanography Research Institute IIO, and Educational Research Institute IIDE. Diverse research programs and external professor, graduate and postgraduate courses. Member of thesis committees. From 1976.

Mexican Seafood Products, NW Region (Productos Pesqueros Mexicanos). Largest fisheries company in Mexico's history. Advisor to the Executive Director. Economic, market, process, aquaculture and fisheries studies. Ensenada, B.C. 1978-1980.

Scientific Research and Higher Education Centre (CICESE). Technical drafting (contest). Oceanography and Marine Geology Departments. Participation as field technician in coastal bathymetric, oceanography, and geology studies. 1975-1976.

Nuclear Energy National Institute (INEN). Technical drafting (contest). Advisory Executive Direction. Structural geology and topography; aero-photography and surface radiation values representations. México, D.F. 1972-1975.

## Consultancy

National Institute of Ecology and Climate Change (Mexico's Federal Government) and UNDP. Impacts of Climate Change on Mexican Islands: Biodiversity and Population. 2014-2016.

Dominican Republic Environment Ministry and The Nature Conservancy Central Caribbean Program. Workshop and field visits to Isla Cabrito and Isla Catalina. Santo Domingo. 2 weeks. February 2011.

Environmental Ministry (SEMARNAT), Mexico. Marine, coastal and insular zoning of the Baja California Peninsula Pacific Coast. Terms of Reference, structure of the conservation approach, and identification of conflicts. In collaboration with the National University (UNAM). By invitation. 2010.

UNDP. External final assessment of the Isabela Island restoration project, Galápagos Archipelago. In collaboration with Landcare Research (John Parkes), from New Zealand. Design of the assessment, field visit, interviews, data analysis and report. July to October 2006.

Environmental Ministry (SEMARNAT), Mexico. Nautical Ladder Project (tourism project). Independent technical opinion and EIA evaluation; coordination of a group of scientists. By invitation. 2003.

Mexican Fund for the Conservation of Nature and Packard Foundation. Nautical Ladder, Alternative Project. Coordination of a group of specialists and editing of a document. July 2002 to February 2003.

CEC (NAFTA) and Oceans Blue Foundation Canada. International comparative assessment: Marine mammal's tourism observation. From Bering to Baja California Marine Conservation Initiative. 2002.

The Nature Conservancy. San Quintín Bay Conservation. 1998 to 2002.

Tuna Fishing. First technical, economic and social studies for the first long-term sustainable fisheries leases establishing limited access fishing rights. 1993 to 1998.

Baja California State Government. State Strategic Plan "Baja California within the Context of Competitiveness". Chapter of Natural Resources and Ecology. By invitation. 1994.

Ejido Valle Tranquilo. Rural organization. Viability study for long-term coastal pebble rock lease. 1994.

Eripac. S.A. Private company. Study for the long-term lease to fish sea-urchin. 1992-93.

Ejido Coronel Esteban Cantú. Social organization. Study for long-term lease to fish sea-urchin. 1993.

Fisheries Ministry. Creation of the Aquaculture Park in San Quintín Bay. Technical, legal and organizational concept. Comparative analysis with other countries. By invitation. 1992.

Natural Gums, S.A. Private Mexican-French company. Viability studies to process and market seaweed products. 1990-1992.

Iranex Colloides Naturels International. French company dedicated to the production of natural gums. Quantitative evaluation of resource abundance and investment project. 1989 to 1993.

Fisheries Secretary and Undersecretary. National Aquaculture Programme, Integration, review and follow-up. 1988-1992.

Japan Air Lines/Jet Fresh, Inc. New seafood products, research and development area. 1988 to 1991.

FAO (United Nations). International Study trip to Europe, as Mexico's industry expert. Assessment of the European Fishing Industry: Fisheries, Harbors, Aquaculture, Processing, and Marketing. Norway,

Denmark, Germany, Spain, Ex-Yugoslavia, and Italy. Writing of the Technical Report. Project Mexico PNUD FAO: 87/O19. Sep. to Oct. 1988.

Ensenada Cooperative. Study for the first long-term lease to fish sea-urchin in Mexico. 1986.

### Voluntary work

Member of the Jury for the Conservation National Award 2010. Invited by the President of the Protected Areas National Commission (CONABIO). Mexico City. November 2010.

Introduced Species National Advisory Committee. Panel Member (by invitation). Biodiversity National Commission (Conabio). Ongoing.

San Quintin Bay. Technical document for the inclusion of the bay in the List of Wetlands of International Importance. Collaboration with Federal Government (Conanp). 2007 and 2008.

Friends of the Mexican Fund for the Conservation of Nature (Fondo Mexicano para la Conservación de la Naturaleza). Board's President. Incorporated in Washington, D.C. Since 2006.

Fisheries and Aquaculture National Chamber. Representative and Delegate. Regional and National Boards. Aquaculture National Vice-President (founder). Elected by general assemblies. 1990-2005.

Visión Ensenada 2025. Citizens' organization devoted to sustainable development and quality of life in Ensenada's municipality. Board of Directors member, 2003-2006.

Ensenada's Economic Development Committee. Writing of the bylaws incorporating a sustainable development vision. 2006.

First bicycle path in Ensenada. President of the promotion committee with Ensenada 2025 and the Ensenada's Architects Guild. Route design, TOR for design contest and fundraising. 2002 to 2006.

Baja California to Bering Sea Marine Protected Areas. Tri-National Initiative (Canada, USA and Mexico), CEC, Montreal, Canada. Founder and member of the International Steering Committee. 2000 to 2007.

Electoral State Institute. President of the Elections Board. Baja California State Congress. State Congress and Municipality Elections. Appointed by the Electoral Institute Council of the State Congress, under consensus of the political parties. Ensenada, B.C. Dec. 1997 to April 1998.

Commission of the Californias (Mexico-US). Special Delegate and Honorary Member, appointed by the Baja California State Governor. 1990 to 1994.

### Publications

Aguirre-Muñoz, A., Samaniego-Herrera, L. Luna Mendoza, A. Ortiz Alcaraz, F. Méndez Sánchez, J. Hernández Montoya. 2016. The successful environmental restoration of the Mexican islands: a reflection on the advances and the challenges to come (in Spanish). Book chapter, In: Ceccon, E. and Martínez-Garza, C. (Coordinators). Mexican experiences on ecosystems restoration. P. 487-512. University of Morelos, Cuernavaca, Morelos, and UNAM, Mexico City.

Ortiz-Alcaraz, A., Y. Maya-Delgado, P. Cortés-Calva, A. Aguirre-Muñoz, E. Rojas-Mayoral, M. Córdoba-Matson and A. Ortega-Rubio. 2016. Recovery of Vegetation Cover and Soil after the Removal of Sheep in Socorro Island, Mexico. *Forests* · April 2016, 7, 91. 13 pp.

Ortiz-Alcaraz, A., A. Aguirre-Muñoz, F. Méndez-Sánchez and A. Ortega-Rubio. 2016. Feral sheep eradication at Socorro island, Mexico: a mandatory step to ensure ecological restoration. *Interciencia*, vol. 41 (3), March 2016: 184-189. Caracas, Venezuela.

H. P. Jones et al. 2016. Invasive mammal eradication on islands results in substantial conservation gains. *Proceedings of the National Academy of Sciences* 113(15).

Aguirre Muñoz, A., Méndez-Sánchez, F. et al. 2015. Nomination of the Revillagigedo Archipelago as a World Heritage Site. Collaboration with the Natural Protected Areas Commission (CONANP). Ensenada, B.C. and Mexico City. 212 pp.

[https://www.researchgate.net/publication/305385990\\_Formulario\\_de\\_Nominacion\\_del\\_Bien\\_Natural\\_Archipielago\\_de\\_Revillagigedo\\_para\\_su\\_Inscripcion\\_en\\_la\\_Lista\\_del\\_Patrimonio\\_Mundial\\_presentado\\_al\\_Centro\\_de\\_Patrimonio\\_Mundial\\_de\\_la\\_UNESCO](https://www.researchgate.net/publication/305385990_Formulario_de_Nominacion_del_Bien_Natural_Archipielago_de_Revillagigedo_para_su_Inscripcion_en_la_Lista_del_Patrimonio_Mundial_presentado_al_Centro_de_Patrimonio_Mundial_de_la_UNESCO)

Parkes, J., Fisher, P., Robinson, S., y Aguirre-Muñoz, A. 2014. Eradication of feral cats from large islands: an assessment of the effort required for success. *New Zealand Journal of Ecology*, 38(2).

Hernández-Montoya, J., L. Luna-Mendoza, A. Aguirre-Muñoz, F. Méndez-Sánchez, M. Félix-Lizárraga,

- J.M. Barredo-Barberena, Y.V. Albores-Barajas y L. De la Rosa-Conroy. 2014. Laysan albatros on Guadalupe Island, Mexico: current status and conservation actions. *Monographs of the Western North American Naturalist*, 7.
- Latofski-Robles, M., Aguirre-Muñoz, A., Méndez-Sánchez, F., Reyes-Hernández, H., y Schlüter, S. 2014. Prioritizing restoration actions for the islands of Mexico. *Monographs of the Western North American Naturalist*, 7.
- Samaniego-Herrera, A., Anderson D.P., Parkes J.P., y Aguirre-Muñoz, A. 2013. Rapid assessment of rat eradication after aerial baiting. *Journal of Applied Ecology*, 50(6): 1415-1421.
- Aguirre Muñoz, A. et al. 2012. National Strategy for the Conservation and Sustainable Development of the Mexican Islands. Secretaría de Medio Ambiente y Recursos Naturales, Instituto Nacional de Ecología, Comisión Nacional de Áreas Naturales Protegidas, Secretaría de Gobernación, Secretaría de Marina-Armada de México y Grupo de Ecología y Conservación de Islas, A.C. México, D.F. y Ensenada, B.C. 125 pp.
- [http://www2.inecc.gob.mx/publicaciones/descarga.html?cv\\_pub=660&tipo\\_file=pdf&filename=660](http://www2.inecc.gob.mx/publicaciones/descarga.html?cv_pub=660&tipo_file=pdf&filename=660)
- Aguirre Muñoz, A. et al. 2011. The conservation and restoration of the Mexican islands: an overall success story with some failures, lessons learnt, and policy recommendations. In: Figueroa Benavides, E. (Ed.). *Biodiversity Conservation in the Americas: Lessons and Policy Recommendations*. Editorial FEN-Universidad de Chile. Santiago de Chile, Chile. 506 pp. 241-258.
- Aguirre-Muñoz, A., J. E., Bezaury-Creel, H. de la Cueva, I. J. March-Mifsut, E. Peters-Recagno, S. Rojas-González de Castilla and K. Santos-del Prado Gasca (Comps.). 2010. *Islas de México, Un Recurso Estratégico*. Instituto Nacional de Ecología (INE), The Nature Conservancy (TNC), Grupo de Ecología y Conservación de Islas, A.C. (GECI), Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE). 56 pp.
- Aguirre-Muñoz, A., A. Samaniego-Herrera, L. Luna-Mendoza, A. Ortiz-Alcaraz, M. Rodríguez-Malagón, M. Félix-Lizárraga, J. C. Hernández-Montoya, J. M. Barredo-Barberena, R. González-Gómez, F. Méndez-Sánchez, F. Torres-García and M. Latofski-Robles. 2011. Island restoration in Mexico: ecological outcomes after a decade of eradications of invasive mammals. In: Veitch, C. R.; Clout, M. N. and Towns, D. R. (eds) 2011. *Island invasives: Eradication and management*. IUCN, (International Union for Conservation of Nature), Gland, Switzerland. *Island Invasives International Conference*. Auckland, New Zealand, February 2010. *Proceedings*. Pages 250-258.
- Aguirre-Muñoz, A. et al. 2011. Eradications of invasive species on islands in Mexico: the roles of history and a non-profit organization. In: Veitch, C. R.; Clout, M. N. and Towns, D. R. (eds). *Island invasives: Eradication and management*. IUCN, (International Union for Conservation of Nature), Gland, Switzerland. *Island Invasives International Conference*. Auckland, New Zealand, February 2010. *Proceedings*. Pages 396-394.
- Alves, R. J. V., N. G. da Silva, and A. Aguirre-Muñoz. Return of endemic plant populations on Trindade Island, Brazil, with comments on the fauna. In: Veitch, C. R.; Clout, M. N. and Towns, D. R. (eds). *Island invasives: Eradication and management*. IUCN (International Union for Conservation of Nature), Gland, Switzerland. *Island Invasives International Conference*. Auckland, New Zealand, February 2010. *Proceedings*. Pages 259-263.
- Saunders, A., J. P. Parkes, A. Aguirre-Muñoz, and S. A. Morrison. Increasing the return on investments in island restoration. 2011. In: Veitch, C. R.; Clout, M. N. and Towns, D. R. (eds). *Island invasives: Eradication and management*. IUCN (International Union for Conservation of Nature), Gland, Switzerland. *Island Invasives International Conference*. Auckland, New Zealand, February 2010. *Proceedings*. Pages 492-495.
- Samaniego-Herrera, A., A. Aguirre-Muñoz, M. Rodríguez-Malagón, R. González-Gómez, F. Torres-García, F. Méndez-Sánchez, M. Félix-Lizárraga, and M. Latofski-Robles. 2011. Rodent eradications on Mexican islands: advances and challenges. In: Veitch, C. R.; Clout, M. N. and Towns, D. R. (eds). *Island invasives: Eradication and management*. IUCN, (International Union for Conservation of Nature), Gland, Switzerland. *Island Invasives International Conference*. Auckland, New Zealand, February 2010. *Proceedings*. Pages 350-355.
- Towns D., A. Aguirre-Muñoz, S. Kress, A. Burbidge and A. Saunders. 2011. *The Social Dimension: Community Involvement in Island Restoration*. Capítulo de libro (No. 13). *Seabirds Islands, Ecology, Invasion, and Restoration*. Edited by Christa P. H. Mulder, Wendy B. Anderson, David R. Towns and Peter J. Bellingham. Oxford University Press. New York. 512 pp.
- Aguirre-Muñoz A., A. Samaniego-Herrera, L. Luna-Mendoza, A. Ortiz-Alcaraz, M. Rodríguez-Malagón, J.C. Hernández-Montoya, M. Félix-Lizárraga, F. Méndez-Sánchez, R. González-Gómez, F. Torres-García and J.M. Barredo-Barberena. 2010. The conservation and restoration of the Mexican islands: a programmatic approach and the systematic eradication of invasive mammals. *Aliens: The*

- Invasive Species Bulletin. IUCN. 30: 20-27. Roma, Italia.
- Wanless R M, A Aguirre-Muñoz, A Angel, J K Jacobsen, B S Keitt and J McCann. 2010. Birds of Clarion Island, Revillagigedo Archipelago, Mexico. *The Wilson Journal of Ornithology*. Allen Press. Tucson, Arizona, USA. December 2009, issue 121(4).
- Aguirre Muñoz, A. 2010. Restauración de islas mexicanas. Patrimonio Natural de México. Cien casos de éxito. In: Carabias, J. J. Sarukhán, J. de la Maza y C. Galindo (Coords.). Comisión Nacional para el Conocimiento y Uso de la Biodiversidad. México, D.F. Página 158. 240 pp.
- Aguirre Muñoz, A y R Mendoza Alfaro (Eds.). 2009. Afectación a las Poblaciones de Flora y Fauna por Especies Exóticas Invasoras. Capítulo 6, Segundo Estudio País, CONABIO. Diagnóstico Nacional, coordinado por José Sarukhán. México, D.F. pp. 277-318.  
<http://www.biodiversidad.gob.mx/pais/capitalNatMex.html>
- Luna Mendoza, L.M., A. Aguirre-Muñoz, B. Keitt, S. Junak, and B. Henry. 2008. The restoration of Guadalupe Island, revisited. *Fremontia*, Vol. 35, No. 3: 15-17.
- Samaniego-Herrera A, A Aguirre-Muñoz, G Howald, M Félix-Lizárraga, J Valdez-Villavicencio, A Peralta-García, R González-Gómez, F Méndez Sánchez, M Rodríguez-Malagón, B Tershy. 2009. Eradication of black rats from Farallón de San Ignacio and San Pedro Mártir Islands, México. 7<sup>th</sup> California Islands Symposium, Oxnard, California, USA. February 2008. Proceedings: 337-347.
- Aguirre Muñoz, A. (texto) y M. Lazcano (fotografía). Eco, Mares de México. Libro corporativo. Grupo ING México. Spanish and English. Madrid, España.
- Aguirre-Muñoz, A., D. Croll, J. Donlan, R. W. Henry, M. A. Hermosillo, G. Howald, B. Keitt, L. Luna-Mendoza, M. Rodríguez-Malagón, L. M. Salas-Flores, A. Samaniego-Herrera, J. A. Sánchez-Pacheco, J. Sheppard, B. Tershy, J. Toro-Benito, S. Wolf, and B. Wood. 2008. High-Impact Conservation Action: A Case Study From the Islands of Western Mexico. *Ambio* (Royal Swedish Academy of Science), Vol. 37 (2): 101–107.
- Knowlton, J.L., C. J. Donlan, G. W. Roemer, A. Samaniego-Herrera, B. S. Keitt, B. Wood, A. Aguirre-Muñoz, K. R. Faulkner, and B. R. Tershy. 2007. Eradication of Non-Native Mammals and the Status of Insular Mammals on the California Channel Islands, USA, and Pacific Baja California Peninsula Islands, Mexico. *The Southwestern Naturalist*, Volume 52 (4):528–540.
- Samaniego, A., A. Peralta y A. Aguirre. 2007. Vertebrados de las Islas del Pacífico de Baja California, Guía de Campo. Grupo de Ecología y Conservación de islas, A.C. Ensenada, B.C. En prensa. 168 pp.
- Rodríguez Malagón, M., A. Hinojosa, A. Aguirre Muñoz y C. García Gutiérrez. 2007. The Guadalupe Island Ciprés Forest: On the Recovery Track. GIS ESRI Proceedings, San Diego, California. 10 pp. disponible en Internet: [http://gis.esri.com/library/userconf/proc07/papers/papers/pap\\_1960.pdf](http://gis.esri.com/library/userconf/proc07/papers/papers/pap_1960.pdf)
- Aguirre Muñoz, A y A Samaniego Herrera. 2007. Las aves marinas en las islas, el canario del minero. La Jornada Ecológica. Número Especial. 25 de junio de 2007.  
<http://www.jornada.unam.mx/2007/06/25/eco-e.html>
- Henry RW y A Aguirre M. 2007. El albatros de Laysan, navegante del aire. *Pronatura*. Marzo: 12-18.
- Wolf, S., B. Keitt, A. Aguirre Muñoz, B. Tershy, E. Palacios and D. Croll. 2006. Transboundary seabird conservation in an important North American marine ecoregion. *Environmental Conservation*, Cambridge University Press, Vol. 33 (04):294-305.
- Parkes, J. y A. Aguirre Muñoz. 2006. Final evaluation for the pilot project to eradicate feral ungulates from Northern Isabela Island. (Project ECU/00/G31). Report. Landcare Research, Nueva Zelanda. Elaborado para el Programa de las Naciones Unidas para el Desarrollo (PNUD). Agosto 2006. 27 pp.
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### Selected conferences

- Restoring island ecosystems to protect seabirds and endemic landbirds. US Canada Mexico Trilateral Meeting. Plenary session. Natural History Museum. Ottawa, Canada. April 2016.
- Social approaches and environmental conservation. Plenary and inauguration conference, and open debate with Julia Carabias (ex-Secretary of State of Environment, and Lorenzo Rosenzweig, Director

- General of the FMCN. Mexican Congress on Conservation and Collective Action. Mexico City. August 4 to 6, 2015.
- Critical reflection on the restoration of the Mexican Islands. IV Ibero-American and the Caribbean Congress on Ecological Restoration. Buenos Aires, Argentina. April 2015.
- Interview with an Inspirational Biologist, Working to Protect Mexico's Islands. NOAA (2014): <http://www.montroserestoration.noaa.gov/2014/12/16/interview-with-an-inspirational-biologist-working-to-protect-mexico%E2%80%99s-islands/>
- The restoration and conservation of the Mexican Islands, advances and challenges. Seminar. National Institute of Environmental Sciences – Ministry of the Environment, Japan. Tsukuba, Japan, September 26, 2014.
- Conservation and Restoration of the Mexican Insular Ecosystems. XIX Annual Meeting of the Trilateral (Canada, US and Mexico) Committee for the Conservation and Ecosystems and Wildlife Management. Querétaro, Mexico. May 26-30, 2014.
- Mexican Islands, territory of unique value for the national biodiversity. Opening conference. National week of the biological diversity, Conabio. National Library Vasconcelos. May 14, 2014. Mexico City.
- Birds, habitats and livelihoods on the Mexican islands: the micro-macro relationships. Workshop "A Global Invasive Species Programme: saving BIRDS; restoring HABITATS; improving LIVELIHOODS". Plenary conference, opening of the workshop. Birdlife International World Congress. Ottawa, Canada. June, 2013.
- Mexico's islands strategy: progress to date in conservation and sustainable development, and the way forward. 8<sup>th</sup> California Islands Symposium. Plenary conference. Ventura, California. October 2012.
- Advances in the conservation of the Mexican islands, and the National Strategy for the Conservation and Sustainable Development of the Mexican Insular Territory. Society of the Ancient California. CEARTE, Ensenada, B.C. May 22, 2012.
- Conservation of the Mexican Islands: A Summary and US-Mexico Collaboration Efforts. XVII Meeting of the Canada/Mexico/US Trilateral Committee for Wildlife and Ecosystem Conservation and Management. Santa Fe, Nuevo México. 14 a 18 de mayo de 2012.
- An overview of the conservation and restoration of the Mexican islands, a prologue to the new National Strategy on Islands. CBD, UN. SBSSTA 16. Member of the Mexican Delegation. Montreal, Canadá. April 30 to May 5, 2012.
- The restoration of the Mexican islands. VII Caribbean International Biodiversity Congress. Santo Domingo, Dominican Republic. February 2011.
- Helping Islands Adapt (to climate change). Auckland, New Zealand. International Meeting, in preparation to Nagoya 2010. Speaker at the plenary opening session. April 2010.
- Island Invasives International Conference. Auckland, New Zealand. Member of the Organizing Committee and leader of the social and economic session. February 2010.
- The Mexican Islands: From No-ones Territory to Valuable Natural Capital. Keynote Speaker. National Conference for the Conservation and Sustainable Development of the Mexican Islands. Ensenada, Baja California, Mexico. June 23, 2009.
- Baja California and Gulf of California Islands, Saving Seabirds. BirdLife International World Conference. Buenos Aires, Argentina. September 2008.
- COP9. UN Ninth Conference of the Parties to the Convention on Biological Diversity. Member of the Mexican Delegation. Bonn, Germany. May 2008.
- The current status of the Mexican Islands: Contexts, Tendencies and Challenges. Keynote Speaker. International Conference on the Gulf of California Islands. Culiacán, Sinaloa, México. University of Sinaloa. April 2008.
- Between an LNG Plant and a Biosphere Reserve Decree: The Chronicle of an Unexpected Outcome in Coronado Sur Island, Mexico. 7<sup>th</sup> California Islands Symposium, Oxnard, California. February 2008.
- Conservation of the Mexican Islands, Advances and Challenges. Auckland University, Auckland, New Zealand, and Lincoln University–Landcare Research, Christchurch, N.Z. March 9 and 14, 2007. Invited by Landcare.

- Nature, Love and Resources: The Conservation of Mexican Islands. Ensenada's Municipality and Baja California State Government. Special conference (invitation). June 9, 2006.
- Investment and accountability in Guadalupe Island conservation". 2<sup>nd</sup> Workshop on Guadalupe Island Restoration. INE, CONANP, GECI, SEMAR, CICESE. Ensenada, B.C. Nov. 9, 2005.
- Achievements on island conservation in Mexico. Conservation Summit. La Paz, B.C.S. Feb. 2005.
- Integrated conservation in island ecosystems. Control & eradication of introduced species. International Round Table: An unwelcome dimension of trade: The impact of alien invasive species in North America. Joint Public Advisory Committee and CEC's Conservation of Biodiversity Programme. Invited as keynote speaker. Miami, Florida. Dec. 4-6, 2003.
- A historical perspective of the human nature relationship in the islands of Baja California, Mexico: from the wild frontier to conservation and sustainable development. 6<sup>th</sup> California Islands Symposium 2003, Ventura, California. Dec. 2-3, 2003.
- Guadalupe Island: a plan for restoration and conservation. California Islands Symposium 2003, Ventura, California. Dec. 2-3, 2003.
- The social construction of the Guadalupe Island restoration, Mexico: context and perspectives. Guadalupe Island Conference. INE-CICESE-GECI. Nov. 11 and 12, 2003. Ensenada, B.C.
- Nautical Ladder, Reorientation Towards Sustainability. Sustainable Development National Council, Environmental Ministry. By invitation. Meeting-Expedition on board of the Mexican Navy Boat "El Zapoteco" (Gulf of California). Feb. 13-17, 2003.
- A "straw man" vision of a Marine Protected Areas' network in Baja California: inputs for the design of a MPA paradigmatic case. Marine Conservation GIS Data Potluck. CEC, Ecotrust and Marine Conservation Biology Institute. Portland, Oregon. July 1-2, 2002.
- The Social Construction of a Coastal-Zone Protected Area in Baja California, México. Marine Protected Areas International Conference. Living Oceans Society. White Rock, Vancouver, Canada. Invited as speaker. Oct. 18-21, 2001.
- The conservation of the coastal zone: a pro-active approach, beyond mitigation. Latin America Workshop of Coastal Waters. UNEP. Invited as country's expert. Mexico City. Sep. 10-12, 2001.
- Centralism in fisheries management: history, consequences and solutions. National Forum, Federal Congress. 325 participants. March 25, 2001.
- The Mexican State and the Ecological Modernization. Marine Resources Management National Programme. Invited as speaker. Ensenada, B.C. Sep. 22, 1999.
- Mexican government practices related to environmental issues. The Environment State under Pressure: issues and research. Research Committee on Environment and Society. Conference: International Sociological Association (RC24). Wageningen University, Netherlands, and Wisconsin University. Northwestern University, Chicago, Illinois. August 7-10, 1999.
- The Evolution of the Mexican Sea Urchin Fishery: A Resource Management Approach. Sea Urchin Fishery Workshop. Sea Grant Extension Programme. California Sea Grant. University of California Davis. Santa Barbara, California, E.U.A. Invited as speaker. June 17-18, 1999.
- Social and economic considerations of El Niño effects on Aquaculture. Invited as speaker. Workshop Economy-Research. CICESE. March 26, 1999.
- The Lifeworld as unit of analysis: the case of sustainable development. Special conference, by invitation. IIDE-UABC. Ensenada, B.C. March 23, 1999.
- Strategic considerations for a sustainable aquaculture. Special conference, by invitation, to the Fisheries Undersecretary and the Fisheries National Institute president. Ensenada, B.C. Jan. 26, 1999.
- Urgent legal changes: The need of a civil carrier in government environmental agencies. National Forum, Federal Congress. August 7, 1998.
- Integral rural regional development for Ensenada's Municipality. TV Interview. *Aquí entre Nos*. Cable TV. Ensenada. 60 min. Sep. 15, 1997.
- The sea-urchin fishery in Mexico. International Sea Urchin, Kelp, Abalone Conference. University of California, Bodega Bay Marine Laboratory. Invited as speaker. US Sea Grant. June 1992.
- Actions needed to strengthen the fisheries sector. Presentation to the President of Mexico and State Secretaries. Ensenada, B.C. Invited by the Fisheries Minister. Sep. 1989.
- Abalone Aquaculture: a Perspective from Mexico. UC Berkeley. Invited as country's expert. US Sea Grant, July 1987.
- Cultivation of *Chlorella saccharophila* in a fish-leftovers medium. VI Zoology Congress. Mazatlán, 1982.
- Practical UV disinfection system for aquaculture applications. VI Zoology Congress. Mazatlán, 1982.