

**Intergovernmental Science-Policy
Platform on Biodiversity and
Ecosystem Services**Distr.: General
10 December 2015

English only

**Plenary of the Intergovernmental Science-Policy
Platform on Biodiversity and Ecosystem Services
Fourth session**

Kuala Lumpur, 22–28 February 2016

Item 7 (a) of the provisional agenda*

**Rules and procedures for the operation of the Platform:
nomination and selection of members of the Bureau****Curricula vitae of proposed members of the Bureau****Proposed members from Latin American and Caribbean States****Note by the secretariat**

1. As referred to in document IPBES/4/INF/17, the annex to the present note, prepared by the secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, reproduces the curricula vitae of the candidates proposed for the Bureau by the Latin American and Caribbean States. The curricula vitae are reproduced as received, without formal editing or translation.
2. The candidates are the following:
 - Diego Pacheco Balanza, Bolivia (Plurinational State of)
 - Leonel Sierralta Jara, Chile
 - Ghisselle Alvarado Quesada, Costa Rica
 - Carmen Roldán Chacón, Costa Rica
 - Joaquín Sánchez, Costa Rica
 - Helena Molina Ureña, Costa Rica
 - Spencer Linus Thomas, Grenada
 - Dimitri Gutiérrez Aguilar, Peru

* IPBES/4/1

Annex

Curricula vitae of proposed members of the Bureau from Latin American and Caribbean States

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ESTADO PLURINACIONAL DE BOLIVIA
MINISTERIO DE RELACIONES EXTERIORES

VRE-DGRM-UMTA-Cs-280/2015

La Paz, 11 DIC. 2015

Señora Secretaria Ejecutiva:

Tengo a bien dirigirme a usted, en referencia a la presentación de nominaciones de candidatos para el Bureau de la Plataforma Intergubernamental Científico-Normativa Sobre Diversidad Biológica y Servicios de los Ecosistemas (IPBES), ha ser elegido durante su cuarta sesión plenaria, a desarrollarse del 22 al 28 de febrero del 2016, en Kuala Lumpur, Malasia.

Sobre el particular, tengo a bien poner en su conocimiento la nominación del Estado Plurinacional de Bolivia del Sr. Diego Pacheco Balanza, como candidato para el Bureau de la IPBES.

Al respecto, se tiene a bien adjuntar la hoja de vida del Sr. Pacheco junto a sus datos, así también se agradecerá poder contactarse al siguiente correo electrónico: jallpa@yahoo.com

Con este motivo, aprovecho la ocasión para reiterarle las seguridades de mi más alta y distinguida consideración.

María del Carmen Alipandras Canargo
VICEMINISTRA
DE RELACIONES EXTERIORES a.i.
MINISTERIO DE RELACIONES EXTERIORES

A la señora:

Anne Larigauderie

Secretaria Ejecutiva

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y Servicios de los Ecosistemas (IPBES)**

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Bonn, Germany.-

CURRICULUM VITAE

Diego Pacheco Balanza

Nationality: Bolivian
Date of birth: 5th December 1965
Age: 50
Current Residence: La Paz (Bolivia)
Languages: Spanish and English
Email: jallpa@yahoo.com
Phone: (591) 67005265

ACADEMIC BACKGROUND

- 2002-2007** Indiana University. Bloomington, USA
Ph.D. in Public Policy
- Specialization: Environmental Policy and Political Theory and Methodology
 - Dissertation: An Institutional Analysis of Decentralization and Indigenous Timber Management in Common-Property Forests of Bolivia's Lowlands.
 - Awarded the National Science Foundation's Doctoral Dissertation Grant 2005.
 - Advisor: Elinor Ostrom. Nobel Prize Award in Economics (2009).
- 1999-2000** Imperial College at Wye-United Kingdom
MSc in Rural Resources and Environmental Policy
- Thesis: Livelihood Strategies in the Small Farmers of the Bolivian lowlands.
- 1986-1992** Universidad Mayor de San Andrés. La Paz, Bolivia
Bachelor in Anthropology
- Thesis: The indianism and the contemporary indians in Bolivia.

PROFESSIONAL EXPERIENCE

2015-to date. **Deputy Ministry of Planning for Development.**
Ministry of Planning for Development.

2011- to date. **Deputy of the Delegation of the Plurinational State of Bolivia in Climate Change and Sustainable Development Rio +20.**
External Advisor of the Ministry of Foreign Affairs

Head of the Delegation of the Plurinational State of Bolivia in Biological Diversity (CBD)

External Advisor of the Ministry of Foreign Affairs

Participation in the following international events in the framework of the United Nations and other international organizations:

- Meeting of the Like-Minded Developing Countries on Climate Change (LMDC) in the UNFCCC. Riyadh-Saudi Arabia. February 2014.
- The second plenary session of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). Turkey. December 2013.
- COP 19.UNFCCC. The nineteenth session of the Conference of the Parties. Warsaw, Poland. November 2013
- SBSTTA-17.). Seventeenth meeting of the Subsidiary Body on Scientific, Technical and Technological Advice. Convention on Biological Diversity (CBD). Montreal, Canada. October 2013.
- Joint Workshop on the Framework for Various Approaches, Non-Market-Based Approaches and the New Market-Based Mechanism. UNFCCC. Bonn-Germany. October 2013.
- Conceptual Framework Workshop for the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES). Cape Town- South Africa. August 2013.
- Second Workshop on Results-Based Finance for the Full Implementation of Activities Relating To Redd-Plus. UNFCCC. Bonn- Germany. August 2013.
- Regional Consultation Meeting for Latin America and the Caribbean. Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES). Sao Paulo-Brazil. July 2013.
- Bonn Climate Change Conference. Bonn-Germany. June 2013.
- 7th Trondheim Conference on Biodiversity, Entitled “Ecology and Economy for a Sustainable Society”. Trondheim-Norway. May 2013.
- Tenth Session of the United Nations Forum on Forests (UNFF 10). Istanbul-Turkey. April 2013.
- Intersessional Meeting of the Forum of Ministers of Environment of Latin America and the Caribbean and First Meeting of the Working Group of the Latin American and Caribbean States Community. Quito-Ecuador. April 2013.
- 27th Session of the UN Environment Programme (UNEP) Governing Council/Global Ministerial Environment Forum (GC27/GMEF). Nairobi-Kenia. February 2013
- Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES). Bonn-Germany. January 2013
- COP 18/ CP 8. UNFCCC. The Eighteenth session of the Conference of the Parties to the UNFCCC and the 8th session of the Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol. Doha-Qatar. November-December 2012
- Forest Carbon Partnership Facility. Readiness Assessment Framework: Preliminary Proposed Approach Pre-PC Workshop to the Thirteenth Meeting of the FCPF Participants Committee. Brazzaville-Congo. October 2012
- Climate Change Conference. UN Climate Talks. Bangkok-Tailand. August – September 2012
- Bonn Climate Change Conference. Bonn-Germany. May 2012.
- COP 17/CMP7 UNFCCC. The Seventeenth Conference of the Parties to the United Nations Framework Convention on Climate Change and the 7th Session of

the Conference of the Parties serving as the Meeting of the Parties(CMP7) to the Kyoto Protocol. Durban-South Africa. November-December 2011.

- COP16/ CMP6. UNFCCC. 16th edition of Conference of the Parties of the United Nations Framework Convention on Climate Change(COP) and the 6th Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol(CMP)
Cancun –Mexico. November-December 2010.

August 2010-2014. University of the Cordillera. La Paz, Bolivia.

Rector, researcher and professor

(1)Development of research proposals in rural development, forests and climate change;
(2) Advice to public and private entities in issues related to economic, social and environmental issues; (3) Monitoring and evaluation of proposals in issues of environment and territory al rural development; (4) Formulation of training programs in institutional analysis, environment, rural development, forests and climate change.

March 2010-July 2010.Ministry of the Presidency. La Paz, Bolivia

General Executive Director of the Institutional Revolution Program

(1) Development of strategic proposals for organizational and institutional changes in public entities of the Plurinational State of Bolivia; (2) Design of a monitoring network of the public administration of the Plurinational State of Bolivia; (3) Monitoring of the progress of the modernization of the state in the Ministries of Foreign Affairs and Education.

March 2009-January 2010.Ministry of Energy and Hydrocarbon. La Paz, Bolivia

Principal advisor of the Ministry of Energy and Hydrocarbon

(1) Support for the creation of the National Institute of Energy and Hydrocarbon; the National Enterprise for Gas and Oil industrialization; and the National Agency of Hydrocarbon; (2) Development of the legal framework regarding the environmental prior consult to indigenous people in order to undertake energy, gas and oil projects; (3) Formulation of the national policy of gas and oil; (4) Support to the Minister in strategical issues regarding the energetic sector.

September 2008-February 2009.Ministry of Production and Microenterprises. La Paz, Bolivia

Principal Advisor of the Ministry of Production and Microenterprises

(1) Development of the Bolivian national productive policy; (2) Developing and monitoring the new institutional framework in order to implement the new productive policy in urban and rural areas; (3) Negotiation with the international cooperation for the provision of financial support to strategic productive programmes; (4) Development of monitoring and evaluation systems for the productive policy implementation.

June 2007- July 2008 Ministry of Agriculture, Rural Development and Environment.La Paz, Bolivia

Principal Advisor of the Ministry of Agriculture, Rural Development and Environment

(1) Development of the Bolivian national agricultural and food security policy;(2) Developing and monitoring the new institutional framework in order to implement the new rural and environmental policy; (3)Negotiation with the nternational cooperation of

the financial Support for the policy implementation;(4) Development of the monitoring and evaluation systems regarding the rural and environmental policy implementation.

July 2006-February 2007 Ministry of Planning of Development. La Paz, Bolivia
Coordinator of the program: “Communities in Action” of the Bolivian Social Protection Network

(1) Design of the Bolivian policy regarding the social protection program in Bolivia; (2) Implementation in the field of the pilot project of the Communities in Action program in order to eradicate extreme poverty in rural areas; (3) Negotiation of the financial support of the international cooperation in order to implement the social protection program in Bolivia.

August 2002- August 2005 CIPEC. Indiana University of Bloomington, USA
Research Associate

Responsible for coordinating the collaborative research programs with partner organizations in Bolivia regarding forest programmes. My research focuses on:
 (1) Decentralized governance of natural resources in Bolivia and particularly forests; (2) Comparative analysis of forestry decentralization in Latin American countries, emphasizing Amazon Basin forests; (3) Institutional analysis of forestry decentralization in Bolivia

January 1998- February 2002 . TIERRA Foundation. La Paz, Bolivia

Director and Vicedirector

(1) Design and coordination of research projects regarding natural resources governance, emphasizing social and economic dimensions of sustainable forest management in Bolivia; (2) Coordination of the national program in tenancy, access, and use of land and forests in Bolivia's lowlands and Bolivia's valleys; (3) Support to local communities in land titling; (4) Coordination with Bolivian government agencies the formulation of policies regarding land access for poor people; (5) Oversight to the Bolivian government agencies in issues related to land administration; (6) Secure funding from donors for large projects.

Abril 1995-March 1997 Programme for the Development of Rural Communities.
 La Paz-Bolivia

Director of the Department of Chuquisaca

(1) Formulation of strategic planning for the implementation of the programme in the department of Chuquisaca; (2) Identification of productive and social demand in local municipalities of the Department; (3) Design of the municipal monitoring system regarding public investments; (4) Planning and execution of rural development projects in rural communities

1992-1995 Technical Institute Tupac Katari (IPTK). Sucre, Bolivia

Director of Research and Planning

(1) Formulation of microregions development plans; (2) Development of social, economic, and cultural research in the rural communities of the Northern Potosi region.

CONSULTANT EXPERIENCE

Development of the Forest Law proposal for the Plurinational State of Bolivia. Fiscalization Agency of Forest and Land-Ministry of Water and Environment. September-November, 2011.

Development of a methodology: gathering and evaluation of community-driven demands. Community Investment Project in Rural Areas. PAR, World Bank and FAO. July 2011.

Support in the formulation of the Development Plan of the Department of Chuquisaca. Government of the Department of Chuquisaca. Consultant. March to June 2011.

Development of a working paper: Influence of Land Policy, Forestry and Environment on Deforestation and Forest Degradation in Bolivia. Consultant of the National Climate Change Program and GTZ. January 2010.

Support in the formulation of the Development Plan of the Department of Cochabamba. Prefecture of the Department of Cochabamba. Consultant of the SNV. January to March 2010

Formulation of a working paper: Agricultural and rural public policy proposal in Bolivia. Bolivian Alliance of Civil Society for Sustainable Development (ABDES). August to October 2009.

Elaboration of a working paper: Perspective of indigenous people's about the policies of the Service of National Protected Areas in Bolivia. SERNAP. November 2009.

Evaluation of the National Agrarian Reform Institute. National Agrarian Reform Institute (INRA)-Embassy of the Netherlands. September 2009.

Formulation of a working paper: Land and its impact on human rights in Latin America (with case studies from Bolivia, Guatemala and Paraguay). Consultant of Diakonia (Swedish Ecumenical Action). March, 2006.

Evaluation of the Bolivian Watershed Plan. Ministry of Environment and Water, Vice-Minister of Water and Irrigation, Multi-Donor Group. August 2009.

Formulation of a working paper: Land and its impact on human rights in Latin America (with case studies from Bolivia, Guatemala and Paraguay). Consultant of Diakonia (Swedish Ecumenical Action). March, 2006.

Development of the Research Project: Tropical Forest Management in Bolivia. FOMABO. 2006

Development of Case Studies in Bolivia for the Project "Mystery of Legal Failure". University of Leyden, Holland. 2006.

Formulation of a working paper: Land, Natural Resources, and Conflicts in Latin America. Consultant of Diakonia (Swedish Ecumenical Action), 2005

Preparation, negotiation, and approval of a Land Policy for the Sustainable Development and Conservation. Republic of Bolivia. SNV Consultant, 2005

Development of the project: Commercial Community Forest Management in Bolivia's Collective Indigenous Properties. RIMISP, 2005 to 2006.

Coordinator for the Bolivian country of the Collaborative Research Project: Analysis and implementation of concerted actions to animal breeding farm in Bolivia and Mexico. Animal Production Programme. London University, Imperial College and DFID, UK. 2001.

Adjustment of the Manual: Participatory Planning in Indigenous Areas. Vice Ministry of Popular Participation. PDCR II (World Bank). Project of Development of Rural Communities (PDCR II). June 2001 to September 2001.

Executive Coordinator of the Research Project: Ownership, Access and Land Use and Forests in the Lowlands of Bolivia. Consortium: ACLO, CEDLA, CIPCA Qhana and TIERRA, CEPES (Peru), CIFOR (Indonesia). Financial support: PIEB and DIAKONIA. 1998-1999.

Land and Territory. Consultant to the Association of Institutions of Promotion and Education (AIPE). 20001

Executive Coordinator of the Research Project: Ownership, Access and Land Use in the valleys of Bolivia. Consortium: ACLO, CEDLA, CIPCA, Qhana and Foundation TIERRA. Financial support of IDRC (Canada). 2000-2001.

Guide for Participatory Planning in Indigenous Territories. Vice Ministry of Popular Participation. PDCR II (World Bank). Project for the Development of Rural Communities (PDCR II). 1997.

Formulation of the Agricultural Development Programme in Chuquisaca. Consultant of the Embassy of Denmark. 1998.

Data collection for the Northern Potosí region. Program of the Embassy of Denmark to the support of the Northern Potosi municipalities. 1995 (August-October).

PUBLICATIONS

Pacheco, D. 2013. "Vivir Bien en armonía y Equilibrio con la Madre Tierra". Una propuesta para el cambio de las relaciones globales entre los seres humanos y la naturaleza. La Paz, Bolivia. Fundación de la Cordillera.

Pacheco, D. 2011. Commercial agricultural policy. AIPE. La Paz, Bolivia: AIPE.

Pacheco, D. 2011: Agrofuels and food security in Bolivia. La Paz, Bolivia: AIPE.

Pacheco, D. 2011. Guidelines for the sustainable management of the Mother Earth.

M. Morales, ed. *Hablemos de tierras*. INRA and Embassy of Neatherlands. La Paz, Bolivia: 2011

Pacheco, D. 2007. An Institutional Analysis of Decentralization and Indigenous Timber Management in Common-Property Forests of Bolivia's Lowlands. Ph.D.Diss. Bloomington, IN, Indiana University.

Pacheco, D. 2007. Contribution of Indigenous Community Logging to the Millennium Developmental Goals. The Case of Indigenous Groups in Bolivia. *ETFRN News (European Tropical Forests Research Network)*. No. 47-48 Winter. 2006-2007.

Andersson, K. and D. Pacheco. 2006. Turning to Forestry for a Way out of Poverty: is Formalizing Property Rights Enough?. Pages 195-211 in G.K. Basudeb, K. Ravi, and E. Ostrom, eds., *Linking the Formal and Informal Economy*. New York and Oxford: Oxford University Press.

Pacheco, D., K. Andersson, and M. Hoskins. 2005. Challenges and Opportunities for Communal Forest Management in Latin America. Pages 29-50. in B. Vinceti, W. Amaral, and B. Meilleur. *Challenges in Managing Forest Genetic Resources for Livelihoods*. Rome, Italy: International Plant Genetic Resources Institute (IPGRI).

Urioste, M. and D. Pacheco. 2001. *Las Tierras Bajas a Fines del Siglo XX: Tenencia, Acceso y Uso de la Tierra y los Bosques* (The Bolivian Lowlands at the End of the XX Century: Access and Use's Strategies of Land and Forests). La Paz, Bolivia: Proyecto de Investigaciones Estratégicas en Bolivia (PIEB).

Hernáiz, I. and D. Pacheco. 2001. *La Ley INRA en el Espejo de la Historia: Dos siglos de Reformas Agrarias en Bolivia* (The INRA Law in the Mirror of History: Two Centuries of Agrarian Reforms in Bolivia). La Paz, Bolivia: Fundación Taller de Iniciativas en Estudios Rurales y Reforma Agraria (TIERRA).

Hernández, I. and D. Pacheco. 2001. *Análisis Crítico del Proceso de Saneamiento en el Departamento de Chuquisaca* (Critical Analysis of the Land Titling and the Cadastre Process in the Department of Chuquisaca) (INRA-KADASTER). La Paz, Bolivia: Fundación Taller de Iniciativas en Estudios Rurales y Reforma Agraria (TIERRA).

Pacheco, D. 1998. *Bolivia: Modelos de Desarrollo y cambios en la Sociedad Rural y Sector Agropecuario* (Bolivia: Development Models and Changes in the Rural Society and Agricultural Sector). La Paz, Bolivia: Fundación Taller de Iniciativas en Estudios Rurales y Reforma Agraria (TIERRA).

Pacheco, D. 1995. *Poblamiento Etnico en la Provincia Chayanta: Siglos XIX y XX. Mapa preliminar de Ayllus y Comunidades, Fines del Siglo XX* (Ethnic settlements in the Chayanta province: XIX & XX centuries). Preliminary Map of Ayllus and Communities: End of XX century. Sucre, Bolivia: Instituto Politécnico Tomás Katari (IPTK).

Pacheco, D. 1992 *Machas, Tinkipayas y Yamparas*. Sucre, Bolivia: Instituto Politécnico Tomás Katari (IPTK).

Pacheco, D. 1993 *El indianismo y los Indios Contemporaneos en Bolivia*. (The Indianism and the Contemporaneous Indigenous in Bolivia). La Paz, Bolivia: Editorial HISBOL y Museo Nacional de Etnografía y Folklore (/MUSEF).

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EDUCATION

PhD Ecology, Pontificia Universidad Catolica de Chile, 1989-1991. Thesis Pending.

Master of Science, Instituto Agronomico Mediterraneo de Zaragoza. 1988

Post University Specialization Diploma, Mediterranean Agronomic Institute of Zaragoza. 1986

Bachelor Natural Sciences and Biology, Pontificia Universidad Catolica de Chile. 1984

COMPETENCES

Environmental Management /Public Policies

Environmental Impact Assessment

Biodiversity and natural resources management

Biodiversity national/international regulations

Environmental Certification /Audit (CPEA, Certified Auditor)

Negotiation and agreements on environmental issues

Team building and management

Communications and media strategy planning on environmental issues

PROFESSIONAL EXPERIENCE

ISUM, Chile

Scientific Director

January 2014 – to date

Main responsibilities:

- Mining Consortium initiative for the development of sustainable solutions for copper mining tailings.
- Development and review of the required scientific research program and analyses
- Development and maintain contact with interested stakeholders including government
- Preparation of documents and media information regarding the initiative
- Build up a University Consortium for undertaking the required research program
- Provision of environmental and biodiversity counselling

Ministry of Environment, Santiago, Chile

Head of Renewable Natural Resources, Wastes and Risk Assessment Division

April 2010 – January 2014

Main responsibilities:

- Environmental Vice Ministry on duty
- Preparation and completion of the Biodiversity and Protected Areas Service Law which was sent to Parliament for its discussion in January 2011. In charge of its follow up at the Senate and discussion meetings with interested parties like NGO's, academics, entrepreneurs and trade unions from Chile's productive sectors. Coordination of Members of Parliament Assessors' and Government representatives working table for developing improvements to the original proposal sent to the Congress.
- Evaluation and restructure of the Environmental Ministry team by merging the biodiversity areas with water, residues and environmental liabilities.
- Involvement in the international discussions that lead to the creation of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES). Nominated as the Chilean representative for IPBES
- Directly involved in the creation and definition of the Producer's Extended Responsibility Law (REP) as a useful tool for managing residues sent to Congress in September 2013.

Gestion Ambiental Consultores S.A., Santiago, Chile*Partner and Development Manager*

September 1997 – January 2014

Main responsibilities

- In charge of the Development Division of the company.
- Managed and developed more than 100 projects.
- Execution of environmental audits for investment projects in Perú, Colombia, Venezuela, Ecuador, Bolivia and Chile.
- Provision of strategic environmental advise to companies from different sectors like: mining; industrial; communications; electricity; sanitary; agriculture; fuel and government.
- Undertake environmental impact evaluations for investment projects.

National Environmental Commission (CONAMA), Santiago, Chile*Head of Natural Resources Department*

1995 – August 1997

Chief Cabinet to the Executive Director

1996 – May 1997

Technical Advisor to the Executive Director

1995 – 1996

Main responsibilities:

- Merge all tasks related to natural resources into one single division of the CONAMA.
- Create and establish the tasks and roles of the Natural Resources Division.
- Management support to the Commission's National Director.
- Coordinate the tasks of the Chiefs in charge of each Division.
- Be the representative of CONAMA in front of national authorities and international institutions.

Chilean Ministry of Finance., Santiago, Chile

Environmental Advisor, International Unit NAFTA (North America Free Trade Agreement) - Canada Negotiating Team
1995 – 1996

Main responsibilities:

- Support the trade agreements' negotiating team in environmental themes and subjects.

Shell Chile., Santiago, Chile

Environmental Advisor
1993 – 1995

Main responsibilities:

- Environmental management for the different areas of the Company in Chile (Forestry, Chemical, Petroleum).

Forestal e Industrial Santa Fe (Shell Group), Santiago, Chile

Corporate Environmental Manager
September 1991 – 1992

Main responsibilities:

- Undertake the environmental management of the company's industrial and forestry areas

BOARD MEMBERSHIPS

2004 – 2008: Member of the National Environmental Commission Advisory Board, acting as executive secretary.

2009 - 2013: Chairman CERTFOR CHILE (PEFC associated). (www.certfor.org)

2012 - 2014: Board Member: Biomar Foundation (www.fundacionbiomar.cl)

2010 - 2014: National Director GEF/SNAP Project: (www.proyectorgefareasprotegidas.cl)

2013 – 2016: Vice-chair IPBES (www.ipbes.net)

ACADEMIC ACTIVITIES

- 2015: Professor at Universidad Adolfo Ibáñez, Environmental Management, Santiago, Chile.
- 2014: Master Thesis Guide Professor at School of Law, University of Chile, Santiago, Chile.
- 2008 – 2010: Professor of Public Environmental Policies. Universidad Adolfo Ibáñez, Santiago Chile.
- 1993 - 2006: Professor of Environmental Management and Environmental Impact Assessment. School of Industrial Civil Engineering, Gabriela Mistral University, Santiago, Chile.
- 2000: Professor of Population Biology. School of Industrial Civil Engineering, Universidad del Desarrollo, Santiago, Chile.
- 1999 - 2008: Professor of Public Environmental Policy, Postgraduate School, Faculty of Engineering, University of Chile.
- 1993 – 1997: Coordinator of the environmental and environmental legislation courses. School of Industrial Civil Engineering, Gabriela Mistral University, Santiago, Chile.
- 1987 - 1988: Coordinator of ecology courses. Mediterranean Institute of Zaragoza, Zaragoza, Spain.

- 1979 to 1985 and 1989 to 1991: Teaching Assistant, Head of Fieldwork and invited professor in courses of Zoology, Botany, Biology of Insects, Populations Biology and Ecology. Faculty of Biological Sciences, Pontifical Catholic University of Chile, Santiago, Chile.

RESEARCH WORKS

- 1978 - 1984 Research Assistant in Antarctic Intertidal Marine Ecology and Terrestrial Ecology. Department of Ecology, Faculty of Biological Sciences, Pontifical Catholic University of Chile, Santiago, Chile.
- 1987 - 1988: Research Assistant, terrestrial ecology in the Mediterranean Institute of Zaragoza, Zaragoza, Spain.
- 1989 - 1991: Responsible for field experiments in Terrestrial Ecology. Department of Ecology, Faculty of Biological Sciences, Pontifical Catholic University of Chile, Santiago, Chile.
- 1991 (second semester): Field assistant, School of Forestry, Oregon State University, Corvallis, Oregon, USA.
- 1992 - 2015: Research Associate in Public Policy, Centro de Estudios Públicos (CEP), Santiago, Chile.

PUBLICATIONS (ARTICLES IN JOURNALS AND BOOK CHAPTERS)

- F Squeo, R A Estévez, A Stoll, C F Gaymer, L Letelier and L Sierralta (2012). Towards the creation of an integrated system of protected areas in Chile: achievements and challenges. *Plant Ecology and Diversity*, 1-11.
- Sierralta, L; Serrano R; Rovira J; Cortés, C. (2011), Las áreas protegidas de Chile. Ministerio de Medio Ambiente, Chile.
- Arroyo, M.K.; Castilla, J.C.; Estades, C.; Ladrón de Guevara, J.M.; Larrain, S.; Moreno, C.; Rivas, F.; Rovira, J.; Saball, P.; Sánchez, A; Sierralta, L. (2006). Biodiversidad de Chile. Patrimonio y desafíos. Comisión Nacional del Medio Ambiente. Santiago, Chile. Editorial Ocho Libros, pp. 364-369.
- Sierralta, L., (2003). ¿Qué queda por hacer? Comentario, *Ambiente y Desarrollo*, Vol. XIX, N° 3 y 4, pág. 27.
- Sierralta, L., (2000). El potencial aporte privado en áreas silvestres postergadas. Comentario, *Ambiente y Desarrollo*, Vol. XVI, N° 3, pág. 16.
- Holmgren, M.; Avilés, R.; Sierralta, L; Segura, A.M.; Fuentes, E.R. (1999). Why have European herbs so successfully invaded the Chilean matorral? Effects of herbivory, soil nutrients, and fire. *Journal of Arid Environments* 44: 197-211.
- Sierralta, L. (ed.) (1997) Reglamento de Especies en categorías de conservación, Centro de Estudios Públicos.
- Sierralta, L. 1996. Prologue to the book *Nuestro Mundo Cambiante: El Hombre, Los Recursos Naturales y El Medio Ambiente*, de Bertram Hush y César Ormazábal, Editorial Los Andes, Serie Ambiente y Desarrollo, Santiago, Chile.
- Raga F., Sierralta L., 1995. Un marco conceptual para una política forestal sustentable. *Ambiente y Desarrollo*, Vol. 11, N° 4, pag. 28 - 35.
- De Andraca, R., Katz, R., Del Fávero, G., Sierralta, L., Verdugo, S., Moenne, P. 1995. *Environmental Policies in Latin America*, Policy Series N°1. Business Council for Sustainable Development - Latin America, Monterrey, Mexico.
- Sierralta L.; Navarrete P., 1992. Algunas reflexiones acerca de la contratación de servicios

de asesoría ambiental. In: Gestión ambiental: Desarrollo hoy sin arriesgar mañana. Ponencias, 4to Encuentro Científico sobre el Medio Ambiente, CIPMA.

- Sierralta L.; Navarrete P., 1992. Evolución de la gestión medioambiental en forestal Santa Fe S.A. In: Gestión ambiental: Desarrollo hoy sin arriesgar mañana. Ponencias, 4to Encuentro Científico sobre el Medio Ambiente, CIPMA.
- Sierralta L., 1992. Los planos de fase en las relaciones predador - presa: el efecto de un predador selectivo. *Revista Chilena de Historia Natural* 65: 9 - 15.
- Prado C., Fuentes E.R., Sierralta, L., 1992. Climate Change and the matorral of Central Chile: A population approach. In: W. Oechel, H. Mooney and J. Moreno (Eds.) *Anticipated Effects of Changing Global Environment on Mediterranean Type Ecosystems*. Academic Press, New York.
- Hidalgo J.C., Pellicer F., Sierralta L., López M.V., 1990. Spatial distribution patterns of morphogenetic processes in a semi-arid region. In: Thornes J.B. (Ed.) *Vegetation and Erosion*. John Wiley & Sons Ltd.
- Muñoz M.R., González I.E. Sierralta L., Castañeda B. 1990, Opinion: The scope of scope. *SCOPE Newsletter* 35: 3.
- Martínez E.; Sierralta L. 1989. Commentary to "Nonparametric statistic for the behavioral sciences" Siegel S. y Castellan J. *Revista Chilena de Historia Natural* 62: 281-282.
- Sierralta L. 1989. Commentary to "Imperialismo ecológico. La expansión biológica de Europa" Crosby A.W. *Revista Chilena de Historia Natural* 62: 157.
- Hidalgo J.C., Bellot J., Sierralta L., 1989. Ensayo de evaluación e interpretación de un polígono de regadíos. La Violada, Huesca (España) 1945-1985. *Geographicalia* 26: 141-154.
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- González J.C., Sierralta L., Pellicer F., 1988. Changes in the spatial distribution between shrubs and dryland crops in the neighborhood of an irrigation area: a not expected effect. In: Di Castri F., Floret Ch., Rambal S. y Roy J. (Eds.) *Time Scale and Water Stress-Proc. 5th int. conf. on Mediterranean Ecosystems*. I.U.B.S., Paris.
- Hidalgo J.C., Bellot J., Sierralta L., 1988. Considerations about the influences of topographic reduction coefficient on the evapotranspiration estimation, calculated by hidric balances. In: Di Castri F., Floret Ch., Rambal S. y Roy J. (Eds.) *Time Scale and Water Stress-Proc. 5th int. conf. on Mediterranean Ecosystems*. I.U.B.S., Paris.

OTHER INFORMATION

Languages:

Spanish: Mother tongue

English: Advanced written, reading, oral

French: Basic written and oral. Medium reading.

Date of Birth: 1 January 1960

Married, has a son and a daughter.

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 Residencial Monte Bello-
 Mercedes Norte.
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Grados Académicos Universitarios:

- 1- Bachiller en Biología, Setiembre 1984, Universidad de Costa Rica.
- 2- Licenciada en Biología, con énfasis en Zoología-Aves, Octubre 1986, Universidad de Costa Rica.
- 3- Magister Scientiae en Biología, Mayo 1992, Universidad de Costa Rica

Otras experiencias Universitarias:

- Ecología de Poblaciones, Organización para Estudios Tropicales, 1987.
- Field Biology Training Program en Manoment Bird Observatory, Boston Massachussets, 1987.
Cursos: Evolución de la colonialidad en Aves y Laboratorio de Anillado de Aves.
- Curso de Ornitología Neotropical en Veracruz, México, 1986.

Experiencias laborales no formales y formales.

- Instructora de varios cursos en la Escuela de Biología, Universidad de Costa Rica: Biología General, Zoología I y II, Genética para Biólogos y Agrónomos, Anatomía de Vertebrados.
- Asistente de campo de la Dr. Katherin Parsons en Manoment Bird Observatory, Massachussets, Primavera 1987, Proyecto Garzas Coloniales.
- Asistente de Investigación del Dr. Stanley Rand en el Instituto Smithsonian, Panamá, 1991.
- Instructora del Curso de Georreferenciación, organizado por Global Biodiversity Information Facility, Buenos Aires, Argentina, Mayo 2007.

Participación en Congresos:

- I Congreso de Ornitología en Costa Rica, 1993, tres presentaciones orales.
- V Congreso de Ornitología Neotropical, Paraguay, Agosto, 1995: Una presentación oral, un poster.
- VI Congreso de Ornitología Neotropical, Monterrey, México, Octubre 1999.
- 24 th Annual Meeting of the Waterbird Society, 1-5, November, Plymouth Massachussets, Un poster: "Salt pond use by Aquatic Birds," 2000.
- 3 rd North American Ornithological Conference, New Orleans, setiembre 24-28, 2001.
- 27 th Annual Meeting of the Waterbirds Society, Setiembre, Cuiaba, Brasil, dos posters.

-Waterbird Around the World Conference, Scotland, Edimburg, Abril, 3-8, 2004. Un poster.

-IX Congreso de la Sociedad Mesoamericana para la Biología y la Conservación, La Ceiba, Honduras, 2005. Una presentación oral.

-IX Congreso de Ornitología Neotropical, Cusco, Perú, 2011. Presentación Oral.

Cursos: Ingles conversacional en varios institutos, incluido Centro Cultural Costarricense Norteamericano, Formulación y Evaluación Proyectos de Desarrollo (Contraloría), Posicionamiento Global, TEC, CR; Lectura de mapas, Herpnet & Global Biodiversity Information Facility, Bélgica; Restauración de Humedales, OET, Biografía Histórica I y II, Imbio, Moldeamiento de Nichos Ecológicos, Imbio; excel, Word, power point, RCP, Lectura mejor. Curso de Bioacústica animal; Manejo de Colecciones de Historia Natural, UCR; Taller de Museología: Introducción al File Maker, UCR.

Publicaciones en Revistas o Libros:

-Alvarado, G.M. 2006. The importance of Costa Rica for resident and migratory waterbirds. SNH. In: Boere, G.C, Galbraith, C,A & S.A Stoud. WATERBIRD AROUND THE WORL. The Stationary Office, Edimburg, UK, 960 pp.

Libros:

-Alvarado Quesada, G. 2009. Aves migratorias comunes de las tierras bajas del Pacífico Central de Costa Rica. I ed. San José, C.R: Museo Nacional de Costa Rica. 40 p.

-Alvarado Quesada, G.M & S.E. Bolaños Redondo. 2011. Avifauna del Parque la Libertad. Fundación Parque la Libertad. Museo Nacional de Costa Rica. 78 p.

-Museo Nacional de Costa Rica. Diversidad Biológica del Diquís 1. Ed. Silvia Lobo Cabezas. 1 ed. San José Costa Rica: Museo Nacional de Costa Rica. 2013. 88p (CAPITULO DE AVES).

- Museo Nacional de Costa Rica. Diversidad Biológica del Diquís II: Humedal Térraba-Sierpe/Silvia Lobo Cabezas, coord.- 1 ed. San José, Costa Rica: Museo Nacional de Costa Rica, 2014 p. il.;23 X 15.

- Museo Nacional de Costa Rica (en prensa): Especies comunes del Humedal Térraba-Sierpe.

Revistas:

Alvarado_Quesada, G.M. 1995. Nueva Distribucion de la especies *Agamia agami* en Costa Rica. Brenesia 43-44: 93-94.

Alvarado_Quesada, G.M. 1998. Extension del ámbito reproductivo del Avetorrillo Pantanero, *Ixobrychus exilis* en Costa Rica. Brenesia 49-50: 109-110.

Alvarado_Quesada, G.M , M. García, H. Gómez. 1999. Avistamiento de *Jabiru mycteria* (Aves: Ciconiidae) en Westfalia-Limón, Costa Rica. Brenesia 52: 65-66.

Alvarado_Quesada, G.M & F.Durán-Alvarado.2000.Estado actual de las colecciones de ornitológicas del Museo Nacional de Costa Rica. Brenesia 53: 41-50.

Alvarado-Quesada, G.M & L- Moreno- Scott 2001. Abundancia de especies y uso de salinas por aves acuáticas. Brenesia 55-56: 123-134.

Alvarado_Quesada, G.M, G..Herrera, S. Hidalgo. 2001. Ampliacion del ámbito de distribución de la garza del sol *Eurypyga helias* (Aves: Eurypygidae) en Costa Rica. Brenesia 55-56: 147.148.

Alvarado_Quesada, G.M. 2002. Expansión del ámbito de distribución del cuclillo faisán *Dromococcyx fasianellus* (Aves: Cuculidae) en Costa Rica. Brenesia 57-58: 159-160.

Alvarado_Quesada, G.M. 2003. Extensión del ámbito de reproducción del charrán embridado *Sterna anaethetus* (Aves: Laridae) en Costa Rica. Brenesia 59-60: 91-92.

Alvarado-Quesada, G.M & E. Biamonte. 2003. Expansión del ámbito de distribución del cacique amarillo *Icterus dominicensis* (Aves: Icteridae) en Costa Rica.

Alvarado_Quesada, G.M. 2004. Caracterización de la fauna acuática en la cuenca baja de los ríos Savegre y Naranjo, Costa Rica. Brenesia 61: 95-103.

Alvarado_Quesada, G.M. 2004.Importancia de los Islotes de Manuel Antonio, como sitios de anidación y descanso para aves acuáticas. Brenesia 61:105-108.

Alvarado_Quesada, G.M & F.Durán-Alvarado.2006. Avifauna de los Cerros de Escazú, Costa Rica. Brenesia 66: 37-47.

Alvarado_Quesada, G.M. 2006. Conservación de las Aves Acuáticas de Costa Rica. BRENESIA 66: 49-68, 2006.

Alvarado_Quesada, G.M. 2007. Migración de la gaviota *Larus pipixcan* (Aves: Laridae) sobre el refugio de Vida Silvestre, Punta Mala, Costa Rica. Brenesia 77: 75-76.

Alvarado_Quesada, G.M , S.E. Bolaños-Redondo, J. Solano. 2009. Ampliación del ámbito de distribución del Alcaraván *Burhinus bistriatus* (Aves: Burhinidae) en Costa Rica.

Bolaños_Redondo, S.E & Alvarado_Quesada, G.M. 2010. Nuevos registros a la avifauna de El Rodeo, Valle Central, Costa Rica. Brenesia 73-74: 141-145.

Alvarado_Quesada, G.M & S.E. Bolaños_Redondo. 2010. Importancia del Parque La Libertad para especies de aves poco comunes del Valle Central, Costa Rica. Brenesia 73-74: 163-164.

Alvarado_Quesada, G.M & S.E. Bolaños_Redondo. 2012. Avifauna de El Rodeo, Mora, San José, Costa Rica. Brenesia 77: 203-228.

Alvarado_Quesada, G.M , S.E. Bolaños_Redondo, Cascante-Marín. A. 2012. Aves perchadoras como polinizadores potenciales del árbol del dosel *Bernoullia flammea* (Malvaceae) en el Valle Central de Costa Rica. Brenesia 77: 343-350.

Bolaños_Redondo, S.E & Alvarado_Quesada, G.M. 2012. La Pone-pone (*Aramides cajanea*, Rallidae: Gruiformes). Brenesia 77: 357-360.

Alvarado_Quesada, G.M. 2014. Ampliación del conocimiento de la dieta de la garza tigre cuellinuda, *Tigrisoma mexicanum* (Swainson, 1834) (Pelecaniformes: Ardeidae) en Costa Rica. Brenesia 81-82: 125.

Alvarado_Quesada, G.M. R. Nuñez-Escalante, M. Marín-Sánchez. 2014. Ampliación del ámbito de distribución del Ibis verde *Mesembrinibis cayennensis* (Gmelin, 1789) (Aves:Threskiornithidae) en el Pacífico Sur de Costa Rica. Brenesia 81-82: 126-127.

Alvarado_Quesada, G.M. 2015 (en prensa). Ampliación del ámbito de distribución del Ibis verde *Mesembrinibis cayennensis* (Gmelin, 1789) (Aves:Threskiornithidae) en el Pacífico Sur de Costa Rica.

Otros : Coordinadora de dos talleres Centroamericanos de monitoreo de aves de pantano: Primero en 2008, Palo Nacional Verde; segundo en 2013, Estación para la Investigación y Enseñanza Soltis (Texas A& M University), San Ramón, Costa Rica.

-Miembro del Consejo para la Conservación de las Aves Acuáticas desde 2002 (Waterbird Conservation Council) hasta la fecha.

Coordinadora Censo de Aves Acuáticas-Costa Rica 2015 (Iniciativa Waterbird Council & Birdlife International).

Trabajo Actual: Laboro para el Museo Nacional de Costa Rica desde setiembre 1993.

HOJA DE VIDA

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FORMACIÓN ACADÉMICA

1985. Bachiller en Biología. Universidad de Costa Rica (UCR).
 1998. Licenciada en Biología Tropical. Universidad Nacional de Heredia (UNA). Tesis. Programa de Interpretación Ambiental para el Centro Biológico Las Quebradas, San Isidro de Pérez Zeledón, San José, Costa Rica. Calificación obtenida: 10.
 2006. Doctorado en Mediación Pedagógica. Universidad de La Salle.

AFILIACIONES

- Miembro activa del Colegio de Biólogos de Costa Rica. N° de identificación 591.
- N° de identificación 0156-96 del Registro de Consultores de la Secretaría Técnica Nacional (SETENA) responsable de la tramitación de Evaluaciones de Impacto Ambiental.

REPRESENTACIONES

2015. Asesora ante el JCM, por parte del Gobierno de Costa Rica.
 2014-2015. Representante del Fondo Nacional de Financiamiento Forestal ante los proceso de diseño de la Política Nacional de Biodiversidad, Política Nacional de Humedales, y Estrategia Nacional de Biodiversidad.
 2013-2015. Representante de Gobierno ante los Comités Técnicos Regionales de Mecanismos de Compensación y de Salvaguardas. Programa REDD-CCAD-GIZ.
 2010-2007. Representante de Gobierno, del Ministerio de Ambiente y Energía ante el Comité de Miembros de la Unión Mundial de la Naturaleza (UICN).
 2004-2003. Comisión Técnica Ministerial ante el Plan Nacional de Desarrollo Urbano: Plan GAM. Objetivo brindar lineamientos de planificación orientados a proteger los sistemas ecológicos que interactúan con las Áreas Silvestres Protegidas. Proyecto financiado por la Unión Europea.
 2004-2002. Unidad técnica ministerial para el diseño e implementación de la Estrategia Nacional Ambiental del Sector Ambiente de Costa Rica. Proyecto País financiado por el BID-Fondos Japoneses.
 2001. Workshop on Liability and Redress in the Context of the Convention on Biological Diversity. Francia, París. 18 al 20 de junio. Representante designada por el Gobierno de Costa Rica.

ENTRENAMIENTO

2014

Jornada empresarial sobre Comercio, Internacionalización y Ambiente. 17 de noviembre de 2014. 8 horas

Certificate International Forum on Payment for Environmental Services of Tropical Forest. 7 al 10 de abril de 2014. 32 horas

Diplomado Internacional sobre Salvaguardas, Sistemas Nacionales y sus Sistemas de Información en el marco de REDD+. 2 diciembre 2013 a 31 de enero 2014. 72 horas

2010

Training Course in Environmental Education for Sustainable Development in Central and South America. Japón. 2010. 137,5 horas

2009

Curso Internacional Adaptación al Cambio Climático: el rol de los servicios ecosistémicos. 9 al 13 de noviembre de 2009. 40 horas

IV Seminario Internacional de Pensamiento Ambiental. IV Encuentro de Filosofía y Ambiental. 3 al 6 de noviembre de 2009. 40 horas

Congreso VI Congreso Iberoamericano de Educación Ambiental. Argentina. 16 al 19 de setiembre de 2009. 34 horas

2008

Training of Trainers on Climate Change and Water Resources. Panamá. 4 a l 8 de agosto de 2008. 40 horas

Taller Regional sobre Identificación y Manejo de las vías de introducción relacionadas al comercio de especies acuáticas invasoras en los países CAFTA-DR, Panamá y Belize. El Salvador. 2008.

Segundo Congreso Internacional de Casos Exitosos: Educación para un Desarrollo de Sociedades Sustentables. México. 5 al 8 de mayo de 2008. 32 horas

Certificado Taller Nacional sobre Modelación de la Vulnerabilidad de la Biodiversidad al Cambio Climático. Panamá. 2008.

2007

Certificado entrenamiento teórico – práctico sobre *Análisis y Gestión del Riesgo de Organismos Vivos Modificados OVMs*. 2007. 48 horas

Certificado *Reunión Regional de Expertos “Los posibles impactos del cambio climático en la biodiversidad de la región mesoamericana y la República Dominicana”*. Panamá, 21 y 22 de marzo 2007.

2006

Certificado *Taller Modelado de Nichos Ecológicos*. 13 al 15 de marzo de 2006.

2005

Certificado participación como Conferencista en el Seminario Taller para Auditores en Bioseguridad Agrícola. 19 al 21 de octubre 2005.

2004

Proyecto Sinia de Nicaragua. Implementación de un programa de indicadores e índices ambientales. Proyecto Corredor Biológico Mesoamericano. PNUD-CCAD. Nicaragua, 30 de marzo a 3 de abril.

Curso de Capacitación de Capacitadores en Agricultura Sostenible Rainforest Alliance. 26 y 27 de mayo.

2003

Seminario sobre tratamiento de aguas residuales. 5 al 7 de mayo de 2003. Universidad Nacional de Costa Rica.

Curso Auditor Interno INTE/ISO 9001:2000. 5 y 6 de junio. Impartido por el Instituto Costarricense Técnico de Normalización (INTECO).

Seminario Taller Auditorías Ambientales en Centroamérica. 25 al 29 de agosto. Panamá. Programa de Sistemas Integrados de Gestión, Comisión Centroamericana de Ambiente y Desarrollo (CCAD-PROSIGA).

Taller Evaluación Ambiental Estratégica y Participación Pública. 5 y 6 de septiembre. UICN-CCAD- Ministerio de Asuntos Exteriores de los Países Bajos.

Inspecciones EUREPGAP para frutas y hortalizas. 13 de agosto. Costa Rica, European Food Safety Inspection Services (EFSIS) de España

Taller de Capacitación en Evaluación Ambiental Estratégica. 24 y 25 de enero. UICN – CCAD – MINAE – Ministerio de Asuntos Exteriores de los Países Bajos.

2002

Sistemas de Gestión Ambiental en Centroamérica. 24 al 27 de septiembre. PROSIGA-CCAD. Costa Rica.

Instrumentos Económicos Alternativos para la Política Ambiental. 2 al 5 de septiembre. PROSIGA-CCAD. Costa Rica.

1998

Curso Máster en Educación Ambiental. Instituto de Investigaciones Ecológicas de Málaga, España. Duración 500 horas. Proyecto: Programa de Educación Ambiental para la Conservación de una Cuenca Hidrográfica, San Isidro de Pérez Zeledón, San José, Costa Rica.

1997

Curso intensivo Ambiente, Desarrollo Sostenible y Calidad de Vida. UNA y World Wildlife Fund (WWF).

I Congreso de la Sociedad Mesoamericana para la Biología y la Conservación. Asistente y Expositora. Honduras, 23 al 27 de junio. Simposio sobre Certificación Agrícola organizado por C. Wille y C. Roldán.

Seminario Gestión Ambiental Normas ISO-14001. Organización Internacional para la Normalización (ISO) y el Instituto de Normas Técnicas de Costa Rica (INTECO).

Taller sobre Normas, Procesos de Inspección y Certificación para la Agricultura Orgánica en México, Centroamérica y El Caribe. Fundación Güilombe socio de IFOAM.

1995

Simposio Centroamericano sobre Agricultura Orgánica. 6 al 11 de marzo, UNED, Sabanilla. Acuerdo Bilateral de Desarrollo Sostenible Costa Rica-Holanda.

Seminario-Taller Incorporación de la Educación Ambiental para un Desarrollo Sostenible: En diferentes sectores de la sociedad costarricense. 8 al 11 de mayo, UNED, Sabanilla. Acuerdo Bilateral de Desarrollo Sostenible Costa Rica-Holanda.

Taller Regional de Especialización en Género, Comunicación, Desarrollo Sostenible y Facilitación Pedagógica. Proyecto IICA-ASDI, El Salvador, del 17 al 22 de julio.

Proceso Modular de Capacitación en Comunicación Participativa, Género y Desarrollo Sostenible. 360 horas-taller. Sistematización (Módulo V). Facilitación Pedagógica (Módulo IV). Técnicas de Validación (Módulo III). Técnicas de Comunicación impresa, radiofónica y audiovisual (Módulo II). Formación General sobre Género, Comunicación Participativa y Desarrollo Sostenible (Módulo I). Proyecto IICA-ASDI, Coronado.

1994

II Seminario-Taller Nacional Educación Ambiental para un Desarrollo Sostenible. 1994. UNED, Sabanilla. WWF, CARE-Costa Rica, UNED y UNA. Panelista Mesa Redonda: La Participación en la Educación.

1993

Treceavo Simposio Anual sobre Tortugas Marinas. Del 22 al 26 de febrero. Jekyll Island, Georgia, EEUU. Ponencia: Latinamerican Tag System Project.

Curso básico sobre diseño y construcción de áreas verdes: principios paisajísticos. 29 de marzo al 2 de abril. Costa Rica, Asociación Costarricense de Paisajismo.

Seminario-Taller Educación para la paz y el Medio Ambiente. 1993. Del 11 al 13 de

agosto. Universidad para la Paz. Ponencia: Importancia del Diagnóstico Participativo en los programas educativos.

Seminario Educación Ambiental y Desarrollo Sostenible. 1993. Del 3 al 5 de junio, UNA, WWF, UNA, UNED. Ponencias: Educación Ambiental, Educadores y Paradojas" y "Diagnósticos y Programas de Educación Ambiental.

1992

Curso Manejo Racional de Plaguicidas en el Hogar. 9 al 13 de marzo. Escuela Agrícola Panamericana El Zamorano. Honduras. Departamento de Protección Vegetal, ROCAP/AID.

1991

Taller Regional Problemática del Uso de Plaguicidas. 24 al 28 de junio. Escuela Agrícola Panamericana El Zamorano, Honduras. CSUCA, GTZ y UNA. Ponencia: Evaluación del uso de plaguicidas en el sector ganadero. Limón, Costa Rica.

1990

Curso Actualización en Toxicología de Plaguicidas. 10 al 14 de septiembre. Colegio de Farmacéuticos de Costa Rica, San José. CENDEISS-CCSS.

Seminario-Taller Capacitación y/o Extensión en el Uso Racional de Plaguicidas y sus Alternativas. 31 de octubre al 1 de noviembre. Managua, Nicaragua. Universidad de Nicaragua, NORAD, Proyecto CATIE/MAG-MIP.

Proceso Modular de Comunicación Educativa para Organismos Conservacionistas. Planificación de la Comunicación y Análisis de Mensajes (Módulo I); Redacción (Módulo II); Producción Radiofónica (Módulo III); Producción de Materiales Impresos (Módulo IV); Elaboración de Sonovisos (Módulo V). Instituto Costarricense de Enseñanza Radiofónica (ICER) y Radio Nederland Training Centre (RNTC), San Pedro, San José.

I Taller Regional Introducción al Manejo de Datos utilizando SPSS + PC. 12 al 16 noviembre, UNA. GTZ, UNA y CSUCA.

1989

I Simposio Nacional Tecnología Apropiada y Agricultura Biológica para un Desarrollo Rural Alternativo. 26 al 28 de julio. Sede regional del Atlántico, UCR.

1988

I Reunión de Wider Caribbean Sea Turtle Conservation Network (WideCast West): Elaboración de Planes Nacionales de Protección de Tortugas Marinas. 29 de septiembre al 1 de octubre. Estación Biológica La Selva, OTS.

Segundo Taller La Expresión Creativa aplicada a la Educación Ambiental. 1987. Del 18 al 20 diciembre. Estación Biológica La Selva, OTS.

Primer Taller La Educación Ambiental en Costa Rica. 1987. Del 11 al 13 diciembre. Estación Biológica La Selva. OTS.

Seminario Taller La aplicación de la Expresión Dramática en la Educación. 1986. Del 2 al 4 de agosto. Estación Biológica La Selva, OTS.

TUTORA DE PROYECTOS DE GRADUACIÓN

- Rodríguez, J. 2004. Plan de Educación Ambiental para las comunidades de influencia del Proyecto Geotérmico Miravalles. Proyecto para optar al grado de Bachiller. UNED- Escuela de Ciencias Exactas y Naturales, Costa Rica.
- Ríos, J. 2004. Propuesta de proyectos para implementación del timbre pro parques en el cantón Vásquez de Coronado. UNED- Escuela de Ciencias Exactas y Naturales.
- Rivas, S. 2002. Evaluación sobre la viabilidad ecológica de introducir una especie exótica de anuro, *Rana catesbeana*, para cultivo en Costa Rica. Universidad Estatal a Distancia (UNED), Escuela de Ciencias Exactas y Naturales, Costa Rica. 90 p.
- Calvo, M. 2000. Estrategia para la inserción de la dimensión ambiental en actividades del Área de Gestión Tecnológica del Ministerio de Obras Públicas y Transportes (MOPT), Costa Rica. UNED. 40 p.
- Corrales, A. 2000. Estrategia para el manejo de los desechos sólidos en el Parque Nacional Volcán Poas, Costa Rica. UNED. 77 p.
- Mesén, G. 2000. Propuesta de capacitación para guías naturalistas de la Fundación para el Desarrollo del Centro Biológico Las Quebradas (FUDEBIOL), Pérez Zeledón, Costa Rica. UNED. 72 p.
- Vargas, S. 2000. Diagnóstico preliminar de impactos ecológicos en la producción de helechos: fundamento para una propuesta de guía de inspección de campo para auditorías ambientales de Rainforest Alliance Certified, Costa Rica. UNED. 72 p.
- Guzmán, E., C. Infante y O. Vargas. 2000. Manejo del cultivo de pargo manchado *Lutjanus guttatus* en jaulas flotantes en Punta Cuchillo, Paquera, Golfo de Nicoya, Costa Rica. UNED. 88 p.
- Murillo, F. 1999. Evaluación económica de los certificados de protección del bosque entre 1995 y 1998 en la Península de Nicoya, Costa Rica. UNED. 77 p.

Generalidades sobre producción textual:

- Roldán Chacón, C. 2015. Propuesta de Sistema de Información sobre Salvaguardas de REDD. Ministerio de Ambiente y Energía, Programa ONU-REDD. 198 p.
- Roldán Chacón, C. 2014. Pago de Servicios Ambientales: instrumento para la Carbono Neutralidad. Universidad Nacional, Revista AMBIENTICO, Número 247. P: 13-18.
- Roldán Chacón, C. MINAE - Fonafifo. 2014 a 2012. Guiones técnicos para el desarrollo de materiales informativos y de publicidad, impresos y audiovisuales, que vinculan el tema de ecosistemas forestales y la diversidad biológica.
- Roldán Chacón, C. MINAE-Fonafifo. 2014 a 2013. Textos para página WEB y hojas

informativas en el marco del Proyecto Diseño de un Sistema de Información sobre Salvaguardas de REDD adoptadas por la COP 16 de la Convención de Cambio Climático. Disponibles en: <http://reddcr.go.cr/es>, SIS.

Roldán Chacón, C. Mecanismos de Gobernabilidad Ambiental en el Sistema Nacional de Áreas de Conservación. IN: Silva Rivera, E. et al. 2012. CASOS EXITOSOS EN LA CONSTRUCCIÓN DE SOCIEDADES SUSTENTABLES. Primera edición. Universidad Veracruzana, México. P: 149 – 169.

Roldán Chacón, C. y M. Álvarez Espinoza. 2009. Educación en la Biodiversidad: conceptos, métodos y técnicas. San José, Costa Rica, Imprenta Nacional. 80 p.

Roldán Chacón, C. 2008. Agricultura: tendencias recientes e implicaciones ambientales, un año de crisis climática y alimentaria. Ponencia para el Decimocuarto Informe del Estado de la Nación en Desarrollo Humano Sostenible. 24 p.

2003

Roldán Chacón, C. Agroquímicos prohibidos y restringidos: propuesta de mecanismo para actualización de información, vinculante, en forma directa o indirecta, con el cumplimiento de la normativa de Rainforest Alliance Certified. Costa Rica – RA. 80 p.

Roldán Chacón, C. Validación técnica de materiales utilizados en la capacitación básica y avanzada de auditores para Rainforest Alliance Certified. Costa Rica – RA. 30 p.

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2002

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2001

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2000

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1998

Roldán Chacón, C. Evaluación de impacto ecológico potencial del proyecto hidroeléctrico Río Negro, Upala, Costa Rica. Agua y Energía para Centroamérica. 50 p.

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1997

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Roldán Chacón, C. Programa de educación ambiental sobre una cuenca hidrográfica. Centro Biológico Las Quebradas, San Isidro de Pérez Zeledón, Costa Rica. Instituto de Investigaciones Ecológicas, Málaga, España. Proyecto de Graduación.

Roldán Chacón, C. Formaciones vegetales de Costa Rica. Material didáctico para el INBio.

Roldán Chacón, C. Especies en peligro de extinción de Costa Rica. Material didáctico para el INBio.

1996

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Roldán Chacón, C. Y D. Ortega Vincenzi. Manual de educación ambiental para profesionales en educación que laboran en zonas rurales de Limón. Proyecto UNIR-UNA.

Barboza, R., I. Campos, y C. Roldán Chacón. Evaluación del impacto ambiental potencial del proyecto hidroeléctrico Río Blanco: Fase I, Vásquez de Coronado, Costa Rica. SETECOOP, Banco Mundial.

1995

Roldán Chacón, C. y G. Navarro. Plan situacional estratégico para la parte media y alta de la cuenca del Río Quebradas, San Isidro de Pérez Zeledón, Costa Rica. COPREMA-CARE de Costa Rica.

Roldán Chacón, C. Sondeo de visitación para el Centro Biológico Las Quebradas, San Isidro de Pérez Zeledón, Costa Rica. COPREMA-CARE de Costa Rica.

Roldán Chacón, C. y Molina, H. Impacto ambiental potencial del proyecto hidroeléctrico la Vieja, San Carlos, Costa Rica. Empresa Sol 2000.

Roldán Chacón, C., G. Serrano y G. Vega. Fauna del Centro Biológico Las Quebradas, San

Isidro de Pérez Zeledón, Costa Rica. IN: Estudios biofísicos para el CBQ. COPREMA.
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 Fundación Neotrópica – Fundación Nephtes.
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 Quebradas. IN: Estudios Biofísicos del CBQ, COPREMA.

1994

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 Hernández, y C. Roldán. (Ed). Primer Seminario Nacional de Educación Ambiental
 para el Desarrollo Sostenible. Costa Rica, Editorial UNA.
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 Hernández, y C. Roldán. Primer Seminario Nacional de Educación Ambiental para el
 Desarrollo Sostenible, Costa Rica, Editorial UNA.

1993

Argueda, S., L. Hernández, y C. Roldán. Primer Seminario Nacional de Educación
 Ambiental para un Desarrollo Sostenible.: Memoria. Costa Rica, EUNA.
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 TARTARUGA.
 Roldán Chacón, C., N. Bolaños y A. Chaves. Coordination of the Latin American Tag
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1991

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 plaguicidas. IN: Aspectos técnicos sobre 45 cultivos agrícolas de Costa Rica. MAG,
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 influencia. Valle de la Estrella, Limón, Costa Rica. Fundación Güilombé.

1990

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 Encuentro Ecológico de la Zona Atlántica. Limón, Casa Emaus. Costa Rica, Talleres
 Gráficos EDICOSTA.
 Roldán Chacón, C. Programa de extensión en plaguicidas, desarrollo, salud y ambiente.
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los plaguicidas. Nicaragua, UNI, NORAP, Proyecto CATIE MAG/MIP.
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1989

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 M.Rojas. Plan de acción para el rescate de las tortugas marinas del Caribe de Costa
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hoffmannii (Edentata: Bradypodidae) en tierras altas de Costa Rica. Rev. Biol.. Trop.
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CRCh/2014

CURRICULUM VITAE

NOMBRE: José Joaquín Sánchez González

CÉDULA: 3-252-276

FECHA NACIMIENTO: 11 de enero de 1962

EDAD CUMPLIDA: 53 años

ESTADO CIVIL: Soltero

PROFESIÓN: Biólogo. No. de colegiado: 779. Colegio de Biólogos de Costa Rica.

EDUCACIÓN:

- 1973.** Educación primaria. Escuela Manuel de Jesús Jiménez. Tierra Blanca de Cartago.
- 1979.** Educación Secundaria. Colegio Técnico Profesional Agropecuario de Oreamuno. Cartago
- 1989.** Educación Universitaria. Bachillerato en Biología. Escuela de Biología. Universidad de Costa Rica. San Pedro de Montes de Oca.
- 2009.** Posgrado. Maestría en Biología. Sistema de Estudios de Posgrado. Universidad de Costa Rica.
- 2010.** Posgrado. Maestría en Sistemas de Información Geográfica y Teledetección. Sistema de Estudios de Posgrado. UNA-UCR.

Otros

- 2000.** Curso: Sistemas de Información Geográfica: Aplicaciones en manejo de Recursos Naturales. (ArcView 3.1). Instituto tecnológico de Costa Rica.
- 2002.** Uso del Sistema de Posicionamiento Global (GPS). Instituto Tecnológico de Costa Rica.
- 2003.** Curso de Introducción a los Sistemas de Información Geográfica, con énfasis en ArcGIS 8.2. Curso privado, sin certificado.
- 2004.** Nomenclatura de Plantas. Instituto nacional de Biodiversidad y centro de Estudios Conservacionistas.
- 2004.** I Curso Implantación de un Banco de datos espaciales para la Gestión del medio natural. Aplicación práctica. Agencia Española de Cooperación Internacional. Guatemala
- 2005.** Lectura de mapas. Instituto Nacional de Aprendizaje.
- 2005.** Latín para Botánicos. Instituto nacional de Biodiversidad.
- 2005.** Modelado de Nichos ecológicos. Taller. Instituto Nacional de Biodiversidad.
- 2006.** Biogeografía Histórica: Introducción a la teoría y métodos. Instituto Nacional de Biodiversidad.
- 2006.** Filemaker Básico. G-Mática. Consultores Informáticos S. A.
- 2007.** Modelado de Nichos Ecológicos. Curso. Instituto Nacional de Biodiversidad.
- 2008.** Cuidado y Manejo de Colecciones de Historia Natural. Universidad de Costa Rica

EXPERIENCIA LABORAL:

1989-1992. Asistente de investigación en el Laboratorio de Arqueología. Universidad de Costa Rica.

1998-1999. Consultor en el proyecto: Identificación de Vacíos en Botánica en Centroamérica. WWF-Centroamérica. Turrialba.

2001-2002. Consultor en el proyecto: Caracterización de la vegetación del Área de Conservación Pacífico Central. MNCR-INBIO.MINAE.

1994-2009: Profesional 1B de tiempo completo. Curación de colecciones botánicas y editor de la revista Brenesia. Departamento de Historia Natural. Museo Nacional de Costa Rica.

2010- : Profesional 3 de tiempo completo. Curación de colecciones botánicas y editor de la revista Brenesia. Departamento de Historia Natural. Museo Nacional de Costa Rica.

PUBLICACIONES:

Sánchez-González, J. 1998. *Tachia parviflora* Maguire y Weaver (Gentianaceae): un nuevo registro para Costa Rica. Brenesia 49-50: 87-88.

Bermúdez, M. y J. Sánchez G. 2000. Identificación de Vacíos de Información Botánica en Centroamérica. Serie Técnica No. 4. Fondo Mundial para la Naturaleza. Turrialba, Costa Rica. 99 pp.

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Sánchez, J. 2010. Gentianaceae. In: Hammel, B. E, M. H. Grayum, C. Herrera y N. Zamora (eds.). Manual de Plantas de Costa Rica. Vol. V Dicotiledóneas

(Clusiaceae–Gunneraceae). Monographs in Systematic Botany from the Missouri Botanical Garden, Vol 119. Pp. 821-840.

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Sánchez González, J. 2012. Caracterización de los ecosistemas vegetales y usos del suelo en El Rodeo, Costa Rica. *Brenesia* 77: 23-40.

IDIOMAS:

Español: Escribe bien, lee bien, entiende bien.

Inglés: Escribe bien, lee bien, entiende regular.

COMPUTACIÓN:

Windows, Word, Excel, Power Point, Outlook Express, Statistica, Adobe PhotoShop, Adobe Acrobat Pro, Arc Gis 10, DIVA-Gis y GARP.

CURRICULUM VITAE / RÉSUMÉ

HELENA MOLINA-UREÑA

1. MAILING ADDRESSES

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Escuela de Biología
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San Pedro de Montes de Oca
San José, Costa Rica 11501-2060
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2. CONTACT INFORMATION

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Skype: helenamolina31

3. PLACE AND DATE OF BIRTH

San José, Costa Rica, October 31st, 1962.

4. EDUCATION

Higher education:

Ph.D. Marine Biology and Fisheries. Rosenstiel School of Marine and Atmospheric Science (RSMAS), University of Miami (UM), Miami, Florida, United States (2006).

Expertise: Ecology and fisheries of reef fishes. **Dissertation title:** "Towards an ecosystem approach for non-target reef fishes : habitat uses and population dynamics of South Florida parrotfishes (Perciformes: Scaridae)." **Advisor:** Dr. Jerald S. Ault.

M.Sc. Oceanography. College of Oceanography, Oregon State University (OSU), Corvallis, Oregon, United States (1990).

Expertise: Biological Oceanography: Ichthyoplankton. **Thesis title:** "Distribution of eggs and larvae of some flatfishes (Pleuronectiformes) off Washington, Oregon and North California, 1980-1983." **Advisor:** Dr. William G. Percy.

B.S. Biology. School of Biology, Universidad de Costa Rica (UCR), San José, Costa Rica (1985).

High school: Colegio Superior de Señoritas, San José, Costa Rica (1979)

Grade school: Escuela República del Perú, San José, Costa Rica (1974).

5. JOB HISTORY

5.A. TEACHING, ADMINISTRATIVE EDUCATION, MENTORING

2008-2013	Chairperson Ecology Department. School of Biology, UCR.
1997-present	Associate Professor with tenure. School of Biology, UCR.
1991-1996	Professor Instructor. School of Biology, UCR.
1991-present	Courses taught: Undergraduate level (General Biology, Marine Biology, Ichthyology, Integrated Workshop for Environmental Interpretation, Introduction to Biology, Vertebrate Zoology) and Graduate level (Zooplankton Ecology, Fish Biology, Coastal Tropical Ecology, Marine Protected Areas, Ecology and Conservation of Tropical Reef Fishes, Participative Processes in Natural Resource Management, Nearshore Tropical Fisheries, Independent Research).
1992	Chairperson a.i. of the Licenciatura Program for Environmental Interpretation, UCR. Academic coordinator of the General Biology Section, Escuela de Biología, UCR. Biology professor, Costa Rican Scientific High School at San Pedro (a magnet school associated to the Universidad de Costa Rica). San Pedro de Montes de Oca, San José, Costa Rica.
2005-present	Graduate and undergraduate thesis advisor: 6 masters, 1 bachelor's theses (licenciatura)
1994-present	Graduate and undergraduate thesis committee member: 2 doctorate, 5 masters, 5 bachelor's theses (licenciatura)

5.B. RESEARCH AND CONSULTING

2014-present	Shrimp Fishery National Roundtable. TASKS PERFORMED: representative of Costa Rican Academia sector. Coordinator of Research Task Force. Member of Innovation and Productive Reconversion Task Force. Sponsored and coordinated by the Ministry of Presidency, Vice-Ministry of Waters and Seas, and the Costa Rican Fisheries Institute (INCOPECA).
2011-present	Project "Assessment and Monitoring of Fisheries Resources, Golfo Dulce, Costa Rican Pacific coast". CIMAR, UCR. POSITION: Principal Investigator. Associated Investigator: Dr. Ingo Wehrmann, CIMAR.
2010	Project "Tourism impact on behavioral patterns of hand-fed rocky reef fishes, Isla Tortuga, Costa Rica". CIMAR, UCR. POSITION: Principal Investigator.

2010-2013	Project “Fishing communities of the South Pacific coast of Costa Rica: participative processes towards fisheries co-mangement”. CIMAR, UCR. POSITION: Principal Investigator. Associated Investigators: M.Sc. Carmen González, School of Geography, Universidad de Costa Rica and Dr. Hans J. Hartmann, University of La Rochelle, France.
2010-present	Project “Effects and recovery of aquatic communities of the Sarapiquí, in the Cinchona earthquake aftermath, Heredia-Alajuela, Costa Rica”. CIMAR, UCR. POSITION: Associated Investigator.
2009-present	Inter-institutional Commission for the Lionfish Invasion. POSITION: National Academia Representative. Coordination: Ministry of Environment and Energy.
2009-2011	Inter-institutional Commission for Coastal Marine issues of the Osa Conservation. POSITION: Academia Representative. Coordination: Ministry of Environment and Energy.
2009-present	Ongoing informal scientific studies and outreach initiatives on “Contributions to management of lionfish invasion, Costa Rica”. Collaboration from CIMAR and School of Biology. POSITION: Principal Investigator.
2009-present	Full Researcher of the Research Center of Marine Sciences and Limnology (Centro de Investigaciones en Ciencias del Mar y Limnología, CIMAR), UCR.
2008-2014	Scientific and Technical Consultive Commission for the Costa Rican Fisheries and Aquaculture Institute (INCOPECA). POSITION: Academia Representative.
2008- present	Project “Catalog on flora and fauna of marine habitats of Costa Rica”. School of Biology, UCR. POSITION: Collaborating Investigator.
2007-present	Project “Spatio-temporal variability of fish fauna in artisanal and commercial fisheries grounds of Golfo Dulce and surrounding areas, Costa Rica”. CIMAR, UCR. POSITION: Principal Investigator.
2005-2008	Project “Self-recruitment of bicolor damselfish, <i>Stegastes partitus</i> (Osteichthyes: Pomacentridae), under passive retention regimes in the Mesoamerican Reef Barrier System”. CIMAR, UCR. POSITION: Principal Investigator. Associated Investigator: Drs. Peter Sale & Daniel Heath, University of Windsor, Canada. Connectivity Program Office, United Nations University, Canadá.
2004-2006	Project “Community structure of reef fishes in a fisheries- and tourism-driven zone, Bahía Culebra, Golfo de Papagayo”. CIMAR, UCR. POSITION: Principal Investigator.
2004-2009	Collaborating Researcher of the Research Center of Marine Sciences and Limnology (Centro de Investigaciones en Ciencias del Mar y Limnología, CIMAR), UCR.

2000-2005	Project “Habitat use and population dynamics of South Florida parrotfish (Perciformes: Scaridae)”. POSITION: Responsible Investigator. RSMAS, UM, Miami, Florida, Estados Unidos.
1999-2004	South Florida Reef fish Visual Census sampling design and data analysis. National Marine Fisheries Service (NMFS), National Oceanographic and Atmospheric Administration (NOAA) / Rosenstiel School of Marine and Atmospheric Sciences, University of Miami (RSMAS, UM), Florida. POSITION: Responsible South Florida parrotfish population dynamics component. Principal Investigators: Drs. James A. Bohnsack (NOAA) & Jerald S. Ault, (UM).
1995-1997	Project “Ecology of reef fishes of Costa Rica: Gulf of Papagayo”. Research Center of Marine Sciences and Limnology (Centro de Investigaciones en Ciencias del Mar y Limnología, CIMAR), UCR. POSITION: Principal Investigator.
1996-1997	Project “Planning and management of strongly polluted bays and coastal waters of the Great Caribbean Basin. Case study: Puerto Limón, Costa Rica”. UNEP Regional project GEF/RLA/G41. CIMAR, UCR, for the Fondo para el Medio Ambiente Mundial, Programa de Naciones Unidas para el Desarrollo. POSITION: Associated Investigator responsible for Ichthyoplankton component. Principal Investigator: Dr. José A. Vargas.
1994-1997	Environmental Impact Assessment of the La Vieja River Hydroelectrical Project. POSITION: Biologist in charge subcontracted by Sol 2000, S.A. Costa Rica.
1994-1995	R/V Victor Hensen Costa Rica Expedition 1993/1994. CIMAR, UCR – ZMT, University of Bremen. POSITION: Associated Investigator responsible for ichthyoplankton component. Principal Investigators: Dr. Matthias Wolff & Dr. José A. Vargas.
1993-1994	“Rapid assessment for establishing carrying capacity indicators, review and proposal of Management Plans for National Parks of Costa Rica”. Cooperative Research ICT-SPN-FUNDEVI. School of Biology, UCR. POSITION: Associated Investigator responsible for Public Use component (Tourism and Environmental Education).
1992-1995	“Ectoparasites of tropical fishes, Pacific coast of Costa Rica”. Zoology Department, University of Toronto, Canada. POSITION: Associated Investigator in the field. Principal Investigator: Dr. Daniel Brooks.
1992-1997	“Distribution of larval stages and recruitment of corvinas (Sciaenidae) in the Gulf of Nicoya”. CIMAR, UCR. POSITION: Associated Investigator. Principal Investigator: Lic. Myrna López de Bussing.
1990-2009	Associated Investigator of the Research Center of Marine Sciences and Limnology (Centro de Investigaciones en Ciencias del Mar y Limnología, CIMAR), UCR.

1991-present	Member of the Advisor Committee, CIMAR, UCR
1991	Environmental Impact Assessment of the El Angel River Hydroelectrical Project. POSITION: Biologist in charge Subcontracted by Electrín Ingeniería, S.A. - Sol 2000, S.A. Costa Rica.
1990-1992	"Intensive culture of tilapia in floating pens, Arenal Reservoir, Guanacaste". CIMAR, UCR. POSITION: Scientific Field Coordinator. Responsible: Dr. Manuel M. Murillo.

6. AWARDS, HONORS AND PROFESSIONAL ASSOCIATIONS

2006 -present:	Fulbright State Alumni member
2006 -present:	RSMAS Alumni member, Miami, Florida, U.S.
2006 -present:	Gulf and Caribbean Fisheries Institute member
2002:	Member at large of the Phi Sigma Biological Sciences Honor Society, Chapter Omega Omega (a member of the Association of College Honor Societies, the American Institute of Biological Sciences, and the American Association for the Advancement of Science).
2001-2004:	President of the University of Miami Student Propeller Club of the Port of Miami, Florida. Three consecutive years.
2000:	Founders Research Award, University of Miami. October.
2000:	International Light Tackle Tournament Association Award, April.
1999-2001, 2003:	Propeller Club Scholarship Award. The Propeller Club of the Port of Miami, Miami, Florida..
1999:	Lewis A. Tayler Trustee's Fund Award. Fulbright-LASPAU. Reitmeister Award. The Louis Aaron Reitmeister Foundation, July.
1997-1999:	Fulbright-LASPAU scholarship. Ph.D. program, University of Miami, Miami, Florida, U.S. GPA: 4.00
1996:	Visiting scientist, Insitute of High Technology, University of Bergen, Bergen, Norway. Oct. 1 st –Nov. 8 th
1995:	Partial scholarship at the Bermuda Biological Station for Research, Inc. Jul. 9-29.

- 1994: Escherbothrium molinae n. gen. et n. sp. named after my contribution to research. [J. Parasitol. 80(5): 775-780]
- 1994 DAAD (Germany) grant to attend a course and a workshop. Bremen, Germany. Oct. 1st – Nov. 15th
- 1991-present: Active member (No. 692) of the College of Biologists of Costa Rica, a professional association.
- Reviewer for the Revista de Biología Tropical (Journal of Tropical Biology), UCR.
- 1989: Co-founding member of the reconstituted Gilbert Ichthyological Society, Seattle, Washington.
- 1986-1989: Fulbright scholarship. M.S. program, Oregon State University, Corvallis, Oregon, U.S. GPA: 3.86 (equivalent to 96.5% performance).
- 1985: Graduation with Honors, UCR. GPA: 3.8 (equivalent to 95.1% performance)
- 1980-1984: Honor scholarship, UCR.
Highest GPA School of Biology, UCR.
- 1980: Highest GPA Area of Basic Sciences, UCR.

7. FIELD EXPERIENCE (CRUISES AND OTHER)

- 2012 Deep Sea Vehicle (DSV) DeepSee, 23 ft long. Chief scientist: Dr. Helena Molina (CIMAR, UCR). Duration and location: 5 days, Golfo Dulce, Puntarenas, Costa Rica. OBJECTIVE: biological and geological surveys of bottom and demersal biota. POSITION: Chief scientist, port observer during immersions, and Reef Fish Component Coordinator. Experience: 9 dives, maximum depth 203 m (670 ft). May 12-16. Sponsored by: Pronature, Undersea Hunter Group, UCR.
- M/V Undersea Hunter, 99 ft long. Chief scientist: Dr. Helena Molina (CIMAR, UCR). Duration and location: 7 days, Golfo Dulce, Puntarenas, Costa Rica. OBJECTIVE: biological and geological surveys of bottom and demersal biota. POSITION: Chief scientist, port observer during immersions, and Reef Fish Component Coordinator. Experience: round trip Puntarenas City – Golfo Dulce. May 11-17. Sponsored by: Pronature, Undersea Hunter Group, UCR.
- 2011-present Reef Fish Visual Census (Pacific coast, Costa Rica)-.

- 2009 R/V Atlantis, 274 ft. long. Chief scientist: Dr. Lisa Levin (Scripps Institute, LaJolla, California). Duration and location: 19 days, Costa Rica seamounts Eastern Pacific. OBJECTIVE: biological surveys of biocarbonates at methane cold-seeps. POSITION: sediment core sorter, video technical support, and large pelagic species observer. Cruise AT15 Leg 44.
- 2009 DSV Alvin, 23 ft. long. Chief scientist: Dr. Lisa Levin (Scripps Institute, LaJolla, California). Port observer: Dr. Tony Rathburn. Duration and location: 8 hours, Costa Rica Seamount 11, Tropical Eastern Pacific (8° 55.25N, 84° 18.32W). OBJECTIVE: biological survey of biocarbonates at methane cold-seeps. POSITION: Starboard observer. February 25, Dive AD4504.
- 1999, 2000, 2002 M/V Spree, 100 ft. long. Chief scientists: Dr. Jerald S. Ault (RSMAS, UM) and James A. Bohnsack (National Marine Fisheries Service NMFS, National Oceanographic and Atmospheric Administration, NOAA). Duration and location: 22-30 days each, Florida Reef Tract: Key Biscayne to Dry Tortugas, Florida. OBJECTIVE: visual censuses of fish and corals. POSITION: Fish count team. June-July 1999, May-June 2000, May-June 2002.
- 1997-2000 Sampling on shrimp boats, Biscayne Bay, Miami, Florida, United States.
- 1998-present Team member for Reef fish Visual Census (RVC). PRINCIPAL INVESTIGATORS: Dr. James A. Bohnsack (NMFS, NOAA) and Jerald S. Ault (RSMAS, UM). Florida Keys, Florida, U.S.
- 1993 -1994 R/V Victor Hensen (Center of Tropical Ecology, ZMT, University of Bremen), 182 ft. long. Chief scientist: Dr. Matthias Wolff (ZMT). Duration and location: 8 and 8 days, Gulf of Nicoya, Sierpe-Térraba and Golfo Dulce. OBJECTIVE: interdisciplinary study of the three marine ecosystems. POSITION: Associated Investigator responsible for Ichthyoplankton component. Dec. 2-9 1993 y Feb. 2-9 1994.
- March 1993 R/V Gyre (Texas A & M University, TAMU, Texas), 165 ft. long. Chief scientist: Dr. David Owens (TAMU). Duration and location: 8 days, Eastern Tropical Pacific (international waters between Costa Rica and Colombia). OBJECTIVE: physiological study fo sea turtles in oceanic waters. POSITION: Associated Investigator responsible for hydrographic casts (CTD, XBT), zooplankton and micronecton collection.
- 1990-1992 Development and transferal of a technological package for rural communities on the intensive culture of tilapia in floating pens, Arenal Reservoir (Guanacaste, Costa Rica).
- 1990-1997 Boats Unqui, Edith Muma and Kais (CIMAR, UCR), 24 – 30 ft. long. Short outings in Gulf of Nicoya, Costa Rica. OBJECTIVES: day and night collections of zooplankton, sampling of demersal fauna, hydrographic casts, hydrophone tracking of corvina schools.

- 1988 R/V Townsend Cromwell (National Marine Fisheries Service, NMFS, Hawai'i), 132 ft. long. Chief scientist: Bruce Mundy, M.Sc. Duration and location: 10 days, Oahu, Hawai'i. POSITION: Collaboration with operation of MOCNESS-1, CTD measurements, long lining for adult fishes. September
- 1987 R/V Wecoma (College of Oceanography, OSU, Oregon), 100 ft. long. Chief scientist: Dr. Ray Wilson (Scripps Institute, LaJolla, California). POSITION: Collaboration with mid-water trawling, CTD measurements. February

8. PUBLICATIONS

- 1) Fargier, L., H.J. Hartmann & **H. Molina-Ureña**. 2014. "Marine Areas of esponsible Fishing": A Path Toward Small-Scale Fisheries Co-Management in Costa Rica? Perspectives from Golfo Dulce. *In*: F. Amezcua, B. Bellgraph (eds.). Fisheries Management of Mexican and Central American Estuaries. Springer Science+Business Media Dordrecht. pp. 155-179.
- 2) **H. Molina-Ureña**. 2012. CIMAR – DeepSee Golfo Dulce 2012 Exploratory Expedition: scientific report. CIMAR-UCR, The Billfish Foundation, Pronature, Undersea Hunter Group. 36 pp.
- 3) Eva Salas, E. · H. Molina-Ureña, R.P. Walter. & D. D. Heath. 2010. Local and regional genetic connectivity in a Caribbean coral reefs. *Mar. Biol.* DOI 10.1007/s00227-009-1330-y. 157: 437-445.
- 4) **Molina-Ureña, H.** 2009. El Pez León del Indo-Pacífico: nueva especie invasora en Costa Rica. *Biocenosis* 22(1-2): 21-30.
- 5) Ribeiro, T.C. & **H. Molina-Ureña**. 2009. Ontogenic changes in the feeding habits of *Agonostomus monticola* (Mugilidae) and *Brycon behreae* (Characidae), Térraba River, Costa Rica. *Rev. Biol. Trop.* 57(Suppl. 1): 285-290.
- 6) Guzmán-Mora, A.G. & **H. Molina-Ureña**. 2008. The artisanal finfish fishery en the Gulf Dulce, Costa Rica. *Proc. 60th Meeting of the Gulf and Caribbean Fisheries Institute, Dominican Republic, Nov. 5-9 2007.* 60: 137-142.
- 7) **Molina-Ureña, H.** & J. S. Ault. 2007. Towards an ecosystem-based approach to assess non-target tropical reef fishes. *Proceedings of the 59th Meeting of the Gulf and Caribbean Fisheries Institute, Belize City, Belize.* 59: 203-208.
- 8) Dominici-Arosemena, A., E. Brugnoli-Olivera, J. Cortés-Núñez, **H. Molina-Ureña** & M. Quesada-Alpízar. 2005. Community structure of eastern Pacific reef fishes (Gulf of Papagayo, Costa Rica). *Tecnociencia* 7(2): 19-41.
- 9) Dominici-Arosemena, A., E. Brugnoli-Olivera, S. Solano-Ulate & **H. Molina-Ureña**. 2000. Ictioplankton en la zona portuaria de Limón, Costa Rica. *Rev. Biol. Trop.* 48(2/3): 439-442.

- 10) Hoberg, E.P., D.R. Brooks, **H. Molina-Ureña** & E. Erbe. 1998. *Echinocephalus janzeni* n.sp. (Nematoda: Gnathostomatidae) in *Himantura pacifica* (Chondrichthyes: Myliobatiformes: Dasyatidae) from the Pacific coast of Costa Rica and Mexico, with historical biogeographic analysis of the genus. J. Parasitol. 84(3): 571-581.
- 11) Instituto Nacional de Biodiversidad. 1998. El Bosque Tropical Húmedo: Costa Rica/Multimedia. 1º Edición. Hyperdocument in Compact Disc (ca.30 minutes), 3/4 plg. Heredia, Costa Rica. INBio, Agencia Española de Cooperación Internacional. [SCRIPT: Rojas, S. y **H. Molina-Ureña**. TEXTS: **H. Molina-Ureña**. SCRIPT & TEXTS OF INTERACTIVE ACTIVITIES: Rojas, S. y **H. Molina-Ureña**]
- 12) Marques, F., D.R. Brooks & **H. Molina-Ureña**. 1996. Two new species of Tetraphyllidean cestodes in *Himantura pacifica* (Chondrichthyes: Myliobatiformes: Dasyatidae) from the Northwest coast of Costa Rica. J. Parasitol. 82(2): 302-306.
- 13) **Molina Ureña, H.** 1996. Ichthyoplankton assemblages in the Gulf of Nicoya and Golfo Dulce embayments, Pacific coast of Costa Rica. Rev. Biol. Trop. 44(Suppl. 3): 173-182.
- 14) **Molina Ureña, H.**, K. Pierre Murray & J.A. Sáenz Fonseca. 1995. El profesor universitario: entre el conformismo y la creatividad. Rev. Educación 19(1): 41-50.
- 15) **Molina-Ureña, H.** 1994f. Macroscale evaluation: Ichthyoplankton. In: Wolff, M. y J. Vargas (eds.) RV Victor Hensen Costa Rica Expedition 1993/1994. Zentrum für Marine Tropenökologie (ZMT) Contribution 2. Bremen, Alemania. pp. 47-50.
- 16) **Molina-Ureña, H.** 1994e. Componente Uso Público. In: Plan de Manejo Reserva Biológica Isla del Caño. Investigación cooperativa ICT-SPN-FUNDEVI.
- 17) **Molina-Ureña, H.** 1994d. Componente Uso Público. In: Plan de Manejo Parque Nacional Marino Ballena. Investigación cooperativa ICT-SPN-FUNDEVI.
- 18) **Molina-Ureña, H.** 1994c. Componente Uso Público. In: Plan de Manejo Parque Nacional Isla del Coco. Investigación cooperativa ICT-SPN-FUNDEVI.
- 19) **Molina-Ureña, H.** 1994b. Componente Uso Público. In: Plan de Manejo Reserva Biológica Hitoy-Cerere. Investigación cooperativa ICT-SPN-FUNDEVI.
- 20) **Molina-Ureña, H.** 1994a. Componente Uso Público. In: Plan de Manejo Area de Conservación Guanacaste: Area Recreativa Junquillal, Santa Rosa, Volcán Rincón de la Vieja. Investigación cooperativa ICT-SPN-FUNDEVI.
- 21) **Molina-Ureña, H.** 1993d. Componente Uso Público. In: Plan de Manejo Reserva Natural Absoluta Cabo Blanco. Investigación cooperativa ICT-SPN-FUNDEVI.

- 22) **Molina-Ureña, H.** 1993c. Componente Uso Público. In: Plan de Manejo Area de Conservación Cordillera Volcánica Central (ACCVC): Volcán Poás, Braulio Carrillo, Monumento Nacional Guayabo, Volcán Irazú. Investigación cooperativa ICT-SPN-FUNDEVI.
- 23) **Molina-Ureña, H.** 1993b. Componente Uso Público. In: Plan de Manejo Parque Nacional Manuel Antonio. Investigación cooperativa ICT-SPN-FUNDEVI.
- 24) **Molina-Ureña, H.** 1993a. Componente Uso Público. In: Plan de Manejo Reserva Biológica Carara. Investigación cooperativa ICT-SPN-FUNDEVI.
- 25) **Molina-Ureña, H.** 1992. Cultivo intensivo de áurea (*Oreochromis aureus*) en jaulas flotantes, Embalse Arenal. Paquete de Transferencia Tecnológica. Centro de Investigaciones en Ciencias del Mar y Limnología (CIMAR), Universidad de Costa Rica. 59 pp.
- 26) **Molina Ureña, H.**; C.A. Roldán, A. Sáenz y S. Torres. 1986. Hallazgo de *Bradypus griseus* y *Choloepus hoffmanni* (Edentata: Bradypodidae) en tierras altas de Costa Rica. Rev. Biol. Trop. 34(1): 165-166.

9. MEETINGS, SYMPOSIA, WORKSHOPS

- 2015 IV Latin American Symposium of Ichthyology, and I Costa Rican Congress of Ichthyology. ORAL PRESENTATIONS: (1) **Molina-Ureña, H.** “William Albert Bussing Burhaus & Myrna Isabel López Sánchez: a legacy of science and family”. (2) **Molina-Ureña, H.** Freshwater fish biodiversity in Osa Conservation Area, Pacific Watershed of Costa Rica. (3) Arias-Moreno, A.M. & **Molina-Ureña, H.** Fishery-independent analysis of spatio-temporal variations of nearshore ichthyofauna composition of Golfo Dulce, Costa Rica.

37th Meeting of the AMLC. ORAL PRESENTATION: **Molina-Ureña, H.** “Management of lionfish invasion in Costa Rica: an overview five years after”. Willemstad, Curaçao, May 18th to 22nd.
- 2014 II World Small Scale Fisheries Congress. ORAL PRESENTATION: **Molina-Ureña, H.**, H.J. Hartmann & L. Fargier. “Fisheries co-management in Costa Rica; challenges and opportunities for stewardship”. Merida, Mexico, September 21st – 26th.
- 2013 FAO Technical Meeting on the International Guidelines for Securing Sustainable Small-Scale Fisheries. TASKS PERFORMED: Member of the Costa Rican Delegation, as on-site scientific advisor”. Rome, Italy, May 20th - 24th.
- 2012 65th Meeting of the Gulf and Caribbean Fisheries Institute. ORAL PRESENTATION: **Molina-Ureña, H.** “DeepSee submersible expedition in Golfo Dulce, Costa Rica: state-of-the-art research tool”. Santa Marta, Colombia, November 5th to 9th.

- 2012 Workshop Expert Dialogue: Bioeconomy. Sponsor: European Commission, through EUCARINET / ENLACE. TASKS PERFORMED: Central American expert on Marine Biodiversity and Fisheries Roundtable". Brussels, Belgium, October 17th to 18th.
- 2011 64th Meeting of the Gulf and Caribbean Fisheries Institute. POSTER PRESENTATION: **Molina-Ureña, H.** "Community structure of reef fishes in a tropical seasonal upwelling area, Golfo de Papagayo, Costa Rica". Puerto Morelos, Quintana Roo, Mexico, October 31st to November 4th.
- REEF-SPAW-RAC Training of Trainers Workshop "Invasive Lionfish Control and Management". Puerto Morelos, Quintana Roo, Mexico, November 2nd – 3rd.
- 2010 63th Meeting of the Gulf and Caribbean Fisheries Institute. ORAL PRESENTATION: **Molina-Ureña, H.** "Lionfish in Costa Rica: threats, actions, and opportunities". San Juan, Puerto Rico, November 1st to 5th.
- 2009 I Experts' Workshop. ORAL PRESENTATION: **H. Molina-Ureña**, T. Clarke, C. Garita, R. Romero & K. Lindeman. Fisheries resource habitat and water quality in the Térraba-Sierpe National Wetland. Palmar Sur, Puntarenas, Costa Rica. ECOTICOS Project. October 21 to 24th.
- 2008 11th International Coral Reef Symposium. ORAL PRESENTATION: Salas, E. y **H. Molina-Ureña**. Local and regional self-recruitment in the Bicolor Damselfish (*Stegastes partitus*) on Turneffe Atoll in the Mesoamerican Barrier Reef. POSTER: **Molina-Ureña, H.** Community structure of reef fishes in a tropical upwelling area, Gulf of Papagayo, Pacific Costa Rica. Ft. Lauderdale, Florida, 7 al 11 de julio.
- 2007 60th Meeting of the Gulf and Caribbean Fisheries Institute. ORAL PRESENTATION: Guzmán-Mora, A.G. y **H. Molina-Ureña** "The artisanal finfish fishery en the Gulf Dulce, Costa Rica. POSTER: **Molina-Ureña, H.** "Community structure of reef fishes in a tropical upwelling area, Pacific Costa Rica". Punta Cana, Dominican Republic, November 5-9.
- 2006 59th Meeting of the Gulf and Caribbean Fisheries Institute. ORAL PRESENTATION: **Molina-Ureña, H.** & J. S. Ault. "Towards an ecosystem-based approach to assess non-target tropical reef fishes". Belize City, Belice, November 5-10.
- 2004 White Water to Blue Water partnership initiative and conference. Miembro de la Delegación de Costa Rica. Miami, Florida, 21-26 Marzo.
- 2001 Second International Conference on Marine Ornamentals, sponsored by the University of Florida, Sea Grant Program, and others. ORAL PRESENTATION: Population structure of the Cortez Rainbow Wrasse (*Thalassoma lucasanum*) in an exploited area in the Pacific coast of Costa Rica. BY: A. Dominici Arosemena, **H. Molina-Ureña**, J. Cortés-Núñez & E. Brugnoli-Olivera. Orlando, Florida, Nov. 26 – Dec. 1st..
- 2000 World Conference on the scientific and technical bases for the sustainability of fisheries. Sponsored by the Center for Sustainable Fisheries, University of Miami. Nov. 26 – 30.

- 1999 Fulbright-LASPAU Seminar on strategic use of Information Technology for Latin American and Caribbean Universities. Harvard University, Cambridge, MA. June.
- 1998 Oceanography of the Intra-Americas Sea: Intra-Americas Sea Initiative research planning meeting. University of Miami. October.
- 1995 Workshop on Environmental Interpretation for Conservation Areas of Costa Rica. ORAL PRESENTATION: Principles of the Environmental Interpretation. Estación Experimental Alfredo Volio, Alto de Ochozogo, Cartago, UCR, September.
- 1994 Workshop on results of the R/V Victor Hensen Costa Rica Expedition. ORAL PRESENTATION: Ichthyoplankton Component. Center for Tropical Marine Ecology (Zentrum für Marine Tropenökologie, (ZMT), Bremen, Alemania, October.
- 1993 First National Meeting of Environmental Education. ORAL PRESENTATION: Licenciatura en Biología con énfasis en Interpretación Ambiental. CIDES, Universidad Nacional, Heredia, June.
- 1989 First Annual Meeting of the Reconstituted Gilbert Ichthyological Society. Co-founder member. University of Washington, Seattle.
- 1988 Combined meeting of the Society of the Study of Amphibians and Reptiles; the Herpetologists' League; Early Life History Section, AFS; American Elasmobranch Society with the American Society of Ichthyologists and Herpetologists. University of Michigan, Ann Arbor, Michigan. June.

10. SPECIAL SKILLS

- LANGUAGES: Spanish –fluent. English –fluent
Portuguese –understanding, reading. Italian –understanding, reading
- SCUBA AND ACCIDENT MANAGEMENT: -NAUI Advanced Diving certification. University of Miami, 1997.
-IANTD Enriched Air Nitrox certification. U. Miami, 1999. Reg. No. 41071
-Internacional Certification Primary and Secondary Care. Emergency First Response Corp., INA-UCR, 2011
-RSMAS Research Diver C (100-ft.) certification. University of Miami, 2001
-Cardio-Pulmonary Resuscitation (CPR) certification, University of Miami. 1997-2006
-Automated External Defibrillator (AED) certification, University of Miami. 2002-2006
-Oxygen administration certification, University of Miami. 1997-2005.
-First Aid certification, University of Miami. 1997-2005.
-Number of dives: approx. 900 (by December 2015).
-Maximum depth: 42 m (140 ft)
-NAUI Openwater I Certification. Oregon State University, 1988. Reg. No. Q208418

CURRICULUM VITAE

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EDUCATION:

2006 *Masters Degree in Telecommunications Regulation and Policy: Post graduate studies, University of the West Indies, St Augustine Campus, Trinidad and Tobago. Research Topic: OECS Telecommunications Reform: An Economic Impact Assessment.*

1994 *Doctor of Philosophy (Ph.D), Economics, Howard University, Washington DC. Dissertation Topic: "Price Rationalization in the Power Sector: Implications for Economic Development of Caribbean Economies." Cumulative Grade Point Average (GPA) 4.0/4.0.*

- ✓ *Omicron Delta Epsilon (International Economics Honor Society - President, Beta Chapter, Howard University, 1992 – 1994.*
- ✓ *Omicron Delta Epsilon Leadership Award 1994.*
- ✓ *National Dean's List, Howard University, 1992 – 1994.*
- ✓ *Outstanding Leadership Award, Howard University, 1994.*
- ✓ *Terminal Fellowship Award, Howard University, 1993.*

1990 *Master of Science (M Sc.) Economics, Iowa State University, Ames, Iowa Thesis Topic: "Caribbean Basin Initiative (CBI) – Implications for the Caribbean Region." Cited for Excellent Research on Masters Thesis Component.*

- ✓ *Premium for Academic Excellence (PACE) Award, Iowa State University, 1988 – 1990.*

1988 *Bachelor of Arts (B.A.) Economics, Summa Cum Laude, GPA 3.96/4.0, Phi Beta Kappa, Howard University, Washington, DC. Dean's List 1986 – 1988.*

- ✓ *Alaine Locke Scholar Award, Scholar Award, College of Arts and Sciences, Howard University, 1986 – Awarded for the Highest Freshman Grade Point Average.*
- ✓ *Honors Program, Howard University, 1986 – 1988.*

- ✓ *James A. Bayton Scholar Award, Howard University, 1988. Awarded for graduating with the Highest Grade Point Average (GPA) 3.96/4.0*
- ✓ *Who's who Among International Students in U. S. Colleges and Universities, 1988/1989.*
- ✓ *American Economics Association, Economics Summer Minority Scholar, Temple University, Philadelphia, PA, 1987.*
- ✓ *Golden Key National Honor, 1987*

1980 *Diploma (Distinction), Public Sector Management, Chaguaramas Regional Training School, Trinidad and Tobago.*

Specialized ICT Training:

- 2004** *Diploma, "Telecommunications Regulatory Masters Programme" Bath University, UK.*
- 2003** *Diploma, "E-Government/E-Commerce", Cable and Wireless Academy, Coventry, UK.*
- 2000** *Diploma "Radio Frequency Spectrum Management" United States Telecommunications Training Institute (USTTI), Washington, DC.*
- 2000** *Diploma "Utility Regulation and Strategy" PURC, University of Florida, Gainesville, Florida.*
- 2000** *Diploma "NARUC Annual Regulatory Studies Program" Michigan State University, East Lansing, Michigan.*

WORK EXPERIENCE:

2008-Present

Ambassador and Special Envoy for Multilateral Environmental Agreements, Ministry of Foreign Affairs, Environment and Trade, Government of Grenada

1994 – Present

Director and Partner, NG&R Enterprises Limited, Grenada.
Director and Partner, RAJ Enterprises, Grenada.

1994 – Present

Independent Consultancies:

Conducted independent consultancies for several Regional and International Organisations including the following:

- ✓ *Organization of American States (OAS)*
- ✓ *Organization of Eastern Caribbean States (OECS)*
- ✓ *World Bank*
- ✓ *United States Agency for International Development (USAID)*
- ✓ *DFID*
- ✓ *GIZ*
- ✓ *Commonwealth Secretariat*
- ✓ *UNEP/GEF*
- ✓ *Food and Agricultural Organization (FAO)*
- ✓ *Caribbean Development Bank (CDB)*
- ✓ *European Union (EU)*

- ✓ *United Nations Development Programme (UNDP)*
- ✓ *Eastern Caribbean Telecommunications Authority (ECTEL)*
- ✓ *Regional Governments and Government of Grenada*
- ✓ *Non-Government and Private Sector Organizations*

2006 – 2012

Honorary Consul for Belize in Grenada

1997 – 2008

Economic Policy Advisor/Consultant -- Ministry of Finance, Government of Grenada.

2000 – 2002

Chairman OECS/Cable & Wireless Expert Team on Tariff and Rebalancing in Telecommunications

1995 – 1997

Director General/ Permanent Secretary – Ministry of Finance, Trade, Industry, Planning and Development, Grenada.

Spring 1994

Assistant Professor: Howard University, Washington, DC.

1993 – 1994

Energy Consultant: United States Department of Energy, Washington DC.

1993 – 1994

External Peer Reviewer: Institute for Social and Economic Research, University of the West Indies, Mona, Jamaica.

1992 – 1994

Graduate Assistant Lecturer : Summer MBA Program, Georgetown University, Washington DC.

1990 – 1992

Energy Consultant: Washington Gas Light Co., Washington DC.

OTHER WORK EXPERIENCE: (Selected Consultancies)

Telecommunications and ICT:

- *Member, Country Code Name Supporting Organisation (ccNSO), ICANN, 2014 to Present*
- *Administrator ccTLD, (.gd domain name), 2005 to present*
- *Chairman, National Telecommunications Regulatory Commission, 2000 to present*
- *Consultant, ITU/ECTEL, Regulatory Impact Assessment for ECTEL States, 2014-2015*
- *Fellow, ICANN 52, Singapore, 2014*
- *Member, Steering Committee, Strategic Review of Eastern Caribbean Telecommunications Authority (ECTEL) 2011 to 2013*
- *Member, Steering Committee, International Telecommunication Union, HIPCAR Project, 2008 to 2013*
- *Consultant, USAID/CARANA, TESS, CTRADECOM and GBAR projects in ICT, 2003 to 2006*
- *Consultant, ICT Roadmap for Dominica, 2004*

- *Consultant, USAID/CARANA Eastern Caribbean Information Communication Technology Project, 2001-2004*
- *Consultant, OECS/ECTEL Telecommunications Reform Project 1999-2004*
- *Consultant, USAID/CARANA Telecommunications Interconnection, Fair Trading Commission, Barbados, 2002-2003*
- *Chairman, OECS Working Group on Telecommunications Pricing and Rebalancing, 2000-2002*
- *Consultant, Project Implementation Committee, ECTEL, 1998-2000.*

Biodiversity:

- *Co-Chair, Expert Task Force on Knowledge and Data Systems of the Inter-Governmental Science - Policy Platform for Biodiversity and Ecosystem Services (IPBES), UNEP, Bonn, Germany, 2014 to present.*
- *Lead Consultant, Revised National Biodiversity Strategy and Action Plan for Grenada, UN CBD, Montreal, Canada 2013 to present*
- *Member and Vice Chair, Bureau of Intergovernmental Science- Policy Platform on Biodiversity and Ecosystem Services (IPBES), Bonn, Germany, 2013 to present*
- *Bureau Member, International Union for Conservation of Nature (IUCN) Bureau, Gland, Switzerland, 2010-present*
- *Member, Steering Committee, Global Island Partnership for Biodiversity (GLISPA), Washington, DC, 2008 to present*
- *Executive Member, Global Island Partnership, IUCN, 2008 to present*
- *Councilor, International Union for Conservation of Nature (IUCN), Gland, Switzerland, 2008-present*
- *Chairman, Finance and Audit Committee, IUCN, Gland, Switzerland 2008 to present*
- *Member, Steering Committee, 2010 Biodiversity Indicators Partnership, UNEP/WCMC, Cambridge, UK, 2007 to present*
- *Vice President, COP11 Bureau, United Nations Convention on Biological Diversity, Montreal, Canada, 2012 to 2014*
- *Member, Informal Advisory Committee for the Clearing House Mechanism of the United Nations Convention on Biological Diversity, Montreal, Canada, 2001 to 2014*
- *Lead Consultant, National Reports Grenada (Reports 1 to 5) to UN CBD, 2000-2014*
- *Chairman, Working Group 2, Conference of the Parties to the Convention on Biological Diversity Serving as the Meeting of the Parties to the Cartagena Protocol on Biosafety, Hyderabad, India, 2012*
- *Member, IUCN Congress Finance Committee, Jeju, Korea, 2012*
- *Vice President, COP10 Bureau, United Nations Convention on Biological Diversity, Montreal, Canada, 2010-2012*
- *Deputy Chairman, Committee on South-South Cooperation, UN CBD, Montreal, Canada, 2008 to 2012*

- *Member, Advisory Group, Intergovernmental Science Policy Platform for Biodiversity and Ecosystem Services (IPBES), UNEP, 2009 to 2011*
- *Listed, Roster of Experts, United Nations Convention on Biological Diversity and the Cartagena Protocol on Biosafety, UN CBD, Montreal, Canada.*
- *Vice -chair, Third Meeting of IPBES, Busan, Korea, 2010*
- *Chairman, Subsidiary Body for Scientific Technical and Technological Advice (SBSTTA), United Nations Convention on Biological Diversity, Montreal, Canada, 2008-2010*
- *Bureau Member for the Group of Latin America and the Caribbean, Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA) of the United Nations Convention on Biological Diversity, Montreal, Canada, 2005 to 2010.*
- *Chairman, Multilateral Environmental Agreements Committee, Grenada, 2004-2008*
- *Project Coordinator, Sustainable Land Management Project, Grenada, 2005 to 2008*
- *National Focal Point for United Nations Convention on Biological Diversity, the Subsidiary Body for Scientific Technical and Technological Advice, the Clearing House Mechanism, Access and Benefit Sharing and the Cartagena Protocol on Biosafety, Grenada, 2000-2008*
- *Project Coordinator, National Capacity Self Assessment, UNEP/GEF, 2004-2007*
- *Member, Ad Hoc Technical Expert Working Group on Island Biodiversity, UN CBD, Montreal, Canada, 2007*
- *Project Coordinator, Biological Diversity Enabling Activities, United Nations Convention on Biological Diversity, Grenada, 1997 to 2007.*
- *Project Coordinator, National Biosafety Framework, 2001-2005*
- *International Consultant, St Kitts/Nevis Biological Diversity Strategy and Action Plan, 2003-2004*
- *Lead Consultant, National Environmental Management Strategy and Action Plan, 2003-2004*
- *Consultant, Integrated Coastal Zone Management Project, 2000*
- *Lead Consultant, National Biodiversity Strategy and Action Plan, 1998*

Climate Change:

- *Member, Intended National Determined Contributions (iNDC) Committee, Grenada 2015 to present*
- *Lead Negotiator on Climate Change, Grenada, 2013 to present*
- *Member, Advisory Board of Climate Technology Center and Network, (CTCN), Copenhagen, Denmark, UNFCCC, 2012 to present*
- *Member, Climate Change Task Force, IUCN, 2010 to present*
- *Member, National Climate Change Committee, Grenada, 2005 to present*
- *Consultant, Dominica, Third National Report to the United Nations Framework Convention on Climate Change (UNFCCC) 2013-2014*
- *Consultant, Climate Finance Readiness in the Caribbean, GIZ, 2013-2014*

- *Fellow, European Capacity Building Initiative (ECBI), Climate Change Negotiation, Oxford University, UK, 2011, 2012 & 2013*
- *Consultant, International Air Passenger Adaptation Levy on Tourism Dependent Small States, IIED, UK 2012*
- *Consultant, Dominica, Special Project on Climate Resilience (SPCR), Cost Benefit Analysis of Climate Change Adaptation Options, 2011-2012*
- *Deputy Lead Negotiator, AOSIS Climate Change Negotiating Team, UNFCCC, Bonn, Germany, 2007 to 2011*
- *Consultant, First National Report to United Nations Framework Convention on Climate Change, 2008-2009*
- *Consultant, Second National Communication, United Nations Framework Convention on Climate Change, Grenada, 2008 -2009*
- *Chairman, Multilateral Environmental Agreements Committee, Grenada, 2004-2008*

Socio-economics:

- *Consultant, Socioeconomic Impact Assessments, Various private sector projects, Grenada, 2000 to present*
- *Chairman, Grenada Sustainable Development Council, 1996 to present*
- *Consultant, Economic Analysis of Spice Isle Bill Fishing Tournament, Grenada Yacht Services 2013*
- *Consultant, Strategic Plan, Grenreal, Grenada 2013*
- *Consultant, Strategic Plan, Spice Basket Limited, Grenada 2012*
- *Consultant, Local Government Reform for Carriacou and Petite Martinique, 2008 - 2010*
- *Consultant, IDB Value Chain Analysis Study the Construction, Food Production and Tourism Sectors of Caribbean Economies, 2006-2009*
- *Consultant, Strategic Business Plan, National Water and Sewage Authority, 2009*
- *Consultant, FAO National Water Policy for Grenada, 2008*
- *Consultant, Strategic Business Plan, Grenada Postal Corporation, 2008*
- *Consultant, UNDP project on Civil Society Involvement in Decision Making in the Caribbean. 2008*
- *Consultant, World Bank Labour Market Information System for Grenada , 2007-2008*
- *Consultant, CDB/BNTF projects for Grenada, 2004 and 2008.*
- *Chairman, Economic Advisory Council, Grenada, 2005-2006*
- *Consultant, National Export Strategy, Grenada, 2005-2006.*
- *Chairman, National Council for Reconstruction and Development, Grenada, 2004-2006.*
- *Consultant, USAID/CARANA ,TESS, CTRADECOM and GBAR projects, 2003-2006*
- *Consultant, Strategic Business Plan, St Vincent and the Grenadines Port Authority, 2004*

- *Consultant, OAS Project of Strengthening Civil Society Participation in Summit of the Americas, 2004*
- *Consultant, Evaluation of CDB Disaster Mitigation Facility, 2004*
- *Project Coordinator, National Hazard Mitigation Policy, Grenada, 2003 -2004*
- *Consultant, Bid Committee for Year 2007 Cricket World Cup, 2003-2004*
- *Consultant, National HIV-AIDS Management Strategy, 2002-2003*
- *Consultant and Facilitator, National Youth Policy, Grenada, 2002*
- *Consultant, DFID National Trade Enhancing Measures. Grenada , 2000*
- *Project Coordinator, National Poverty Eradication Strategy, Grenada, 1999-2002*
- *Consultant, Poverty Eradication Strategy for Grenada, 1998-2000*
- *Consultant, Master Plan for National Tourism Development, 1997*
- *Consultant, FAO, Agricultural Development Programme for Grenada, 1997*
- *Consultant, EU/Grenada, Framework for Mutual Obligations, 1994-1996*

REFEREED PUBLICATIONS:

- ✓ *“Neoclassical Economic Theory and the Prebisch Doctrine: A Synthesis” The American Economist, Vol. 38, No. 1, (Spring 1994).*
- ✓ *“Participating or Just Talking: Sustainable Development Councils and the Implementation of Agenda 21” With Jonathan Rosenberg, Global Environmental Politics. May 2005.*
- ✓ *“The Political Economy of Transformation to a Green Economy in Small States” Commonwealth Secretariat, Cambridge UK, September 2012.*
- ✓ *“Development and Implementation of Ocean-Related Multilateral Environmental Agreements in the Caribbean Region” Ed Couzens, Tuula Honkonen and Melissa Lewis, Eds. 2013. International Environmental Law-Making and Diplomacy Review 2012. UNEP – University of Fin*
- ✓ *land Joensuu, Finland. <http://www.uef.fi/unep/publications-and-materials>*

PAPERS AND PRESENTATIONS:

Prepared and delivered several papers at various regional and international conferences on ICT, Environment and Socioeconomic topics.

DIRECTORSHIPS:

- *2015-present: Member, Technical Working Group, Grenada National Sustainable Development Plan 2015-2030*
- *2013-present: Director, Grenreal (Grenada Cruise Port Development)*
- *2013-present: Director, Caribbean Knowledge Learning Network (CKLN)*
- *2001-present: Director, Grenada Distillers Limited*
- *2000-present: Chairman, National Telecommunications Regulatory Commission*
- *1999-present: Director, Creative Designs Building Construction Company*

- 1998-present: *Director, Grenada Community Development Agency,*
- 1996-present: *Chairman, Grenada Sustainable Development Council*
- 2006-2008: *Chairman, Grenada Ports Authority*
- 1999-2004: *Director, Grenada National Stadium Authority*
- 1999-2002: *Director, Grenada Chamber of Industry and Commerce*
- 1995-1997: *Alternate Governor and Director, Caribbean Development Bank*
- 1995-1997: *Alternate Governor, World Bank and IMF*
- 1995-1997: *Deputy Chairman, Grenada Ports Authority*
- 1995-1997: *Deputy Chairman, Grenada Bank of Commerce*
- 1995-1997: *Alternate Member, Eastern Caribbean Central Bank Monetary Council*
- 1995-1997: *Chairman, National Insurance Scheme(NIS) Investments Committee*
- 1995-1997: *Chairman, Steering Committee on Money and Capital Market Development, Grenada/ECCB*
- 1995-1997: *Chairman, Maritime Affairs Committee, Grenada Ports Authority*
- 1995-1997: *Registrar of Off-Shore Services, Grenada*
- 1995-1997: *Supervisor of Insurance, Grenada*
- 1995-1996: *Director, National Water and Sewerage Authority*

References: Available upon request

Curriculum vitae

Name

- GUTIÉRREZ AGUILAR, Dimitri (02/05/1965)

Current position

- General Director of Research in Oceanography and Climate Change, Peruvian Marine Research Institute – IMARPE
- Research profesor and coordinator of the Master Program in Marine Sciences, Faculty of Sciences and Philosophy, Universidad Peruana Cayetano Heredia (UPCH)

Address

- IMARPE, Esquina Gamarra y Gral. Valle s/n, Apartado 22, Callao, Lima, Peru

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Research fields

- Impacts of climate change on coastal marine ecosystems
- Paleoceanography and Paleoclimatology
- Benthic ecosystems and environmental factors

Education

- 2000 Doctor in Oceanography, University of Concepción, Chile
- 1989 Biologist, diploma; Universidad Nacional Agraria La Molina, Lima, Peru
- 1988 Bachelor of Science in Biology; Universidad Nacional Agraria La Molina, Lima, Peru

Awards and fellowships

- 2004 Fellowship of short-term scientific exchange, awarded from the Institute of Research for Development, France (IRD)
- 2001 ECOS-SUD (France) fellowship for scientific stages at the Laboratoire des Sciences du Climat et l'Environnement, Gif-Sur-Yvette (June-August 2001) and at the Observatoire Océanologique de Banyuls, Banyuls-Sur-Mer
- 1995 DAAD (German Academic exchange Service) fellowship for Doctorate studies in Oceanography (1995 – 1999).

Successive positions

- 2012→ General Director of Research in Oceanography and Climate Change, Peruvian Marine Research Institute – IMARPE
- 2010→ Research professor, Faculty of Sciences and Philosophy, Coordinator of the Master's in Marine Sciences, Universidad Peruana Cayetano Heredia
- 2002→ Visiting professor, Faculty of Sciences, Master program in SApplied Ecology, Universidad Nacional Agraria La Molina
- 2002→ Research scientist, Laboratory of Marine Benthos, Direction of Oceanography, IMARPE
- 1998-2000. Research assistant, Program FONDAP-Humboldt Oceanography and Marine Biology, University of Concepción

- 1997-1999. Research assistant, FONDECYT project 1971336 (University of Concepción) "Study of the detoxicant activity of Thioploca and its effect on the benthos through the monitoring of meio- and macrofauna and oceanographic and sediment conditions in the sublittoral of central Chile during a year cycle (1997-1999)".
- 1993-1995. Research scientist, Laboratory of Benthos and Sedimentology, Direction of Oceanography, IMARPE
- 1990-1993. Research assistant, Laboratory of Marine Benthos, Direction of Oceanography, IMARPE

Main research projects

- 2014 → President of the Technical Secretariat: "Adaptación al cambio climático del sector pesquero y del ecosistema marino-costero de Perú", AIDB-PRODUCE(2014 - 2017).
- 2012 → Co-Principal Investigator: proposal 'Adaptation to the Impacts of Climate Change on Peru's Coastal Marine Ecosystem and Fisheries' (concept note approved by the Adaptation Fund in 2012)
- 2011-2012. Co-director: *Chaire Croisée (Cátedra Cruzada) PROSUR* (IRD-IMARPE-Instituto de Ciencias de la Tierra de la Universidad de Orléans).
- 2009 – 2014. Co-director: Laboratorio Mixto Internacional Dinámica del Sistema de la Corriente de Humboldt (DISCOH), IRD-IMARPE.
- 2007–2009. Principal investigador: *Jeune Equipe Associé a l'IRD Equipo Mixto de Investigaciones Paleo-oceanográficas (JEA-MIXPALEO)*, IRD-IMARPE-INGEMMET
- 2005-2009. Co-Principal Investigator: Registros Paleoceanográficos de Alta resolución en los sedimentos de la zona de mínimo de oxígeno del Perú Central (PALEOPECES), Specific Project, Research Agreement IRD-IMARPE.
- 2005→ Co-Principal investigator: *Nuclear and Isotopic Studies of El Niño Phenomenon in Peru*, CRP project (AIEA), IMARPE
- 2004-2008. Co-Principal investigator: *Climate variability and El Niño Southern Oscillation: Implications for natural coastal resources and management (SENSOR)*, Specific Targeted Research or Innovation Project, European Union/Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, IMARPE and others.
- 2004-2005. Principal investigator: *Paleo-reconstruction of population dynamics of anchovy and sardine off the Peruvian/northern Chilean coast related to climate shifts during the last 200 years*. Small Grant Program II, Interamerican Institute for Global Change Research IAI / IMARPE
- 2004→ Principal Investigator: *Interacción de la zona de mínimo de oxígeno con la sedimentación de carbono orgánico y procesos bentónicos*. IMARPE

Scientific committee or conferences

- Invited speaker: Development of the 2015-2016 El Niño off the Peruvian coast and its impacts on the coastal upwelling ecosystem. Workshop on El Niño and its Impacts, KIOST, Ansan, Korea, October 06, 2015.
- Keynote speaker: El cambio climático, el ecosistema de afloramiento y el Pacífico Sudeste: ¿Qué podemos aprender del pasado? IV Congreso Nacional de Ciencias del Mar, Universidad Peruana Cayetano Heredia, Abstracts Book.
- Invited speaker: Productivity and Biomass Yields of the Humboldt Current LME. 2014. Third global Large Marine Ecosystems Conference. Swakopmund, Namibia, 8-10 October, 2014.

- Invited speaker: Eur-Oceans Conference: Ocean deoxygenation and implications for marine biogeochemical cycles and ecosystems. Toulouse, France, October 24-26, 2011.
- Invited speaker: International Conference: Environment and Resources in the South Pacific. Viña del Mar, Chile, November 22-26, Chile, 2010.
- Scientific Steering Committee. Eastern Boundary Upwelling Ecosystems Symposium. Las Palmas de Gran Canaria, Spain, 2 -6th June, 2008.
- Scientific committee. Primer Congreso de Ciencias del Mar del Perú, Lambayeque, Peru, 27 - 30/2007.
- Scientific Committee. International Conference. The Humboldt Current System: Climate, ocean dynamics, ecosystems processes and fisheries. Lima, Peru, November 27th – December 1st
- Invited speaker: Workshop 'Oxygen Minimum Systems in the Ocean: distribution, diversity & dynamics', Concepción, Chile, October 24 – 26, 2006

Chairman

- X Encuentro Científico Internacional de Invierno (ECI 2011i), Session Chairman, Lima, 02nd – 05th August, 2011.
- Session 3. Remote and in situ time-series studies: EBUS as ocean observatories for global change. Eastern Boundary Upwelling Ecosystems Symposium. Las Palmas de Gran Canaria, Spain, 2 -6th June, 2008.
- Special session. Geología, paleo-oceanografía y paleo-climatología. Primer Congreso de Ciencias del Mar del Perú, Lambayeque, Peru, 27 - 30/2007.
- Morning session (Tuesday 28th). International Conference. The Humboldt Current System: Climate, ocean dynamics, ecosistema processes and fisheries. Lima, Peru, November 27th – December 1st

Students' theses

Student	Date	Degree	University	Title	Participation
Renato Salvatelli	2008	Master – Marine Ecology	CICESE	Flujos y preservación de escamas y restos óseos de peces en la zona de mínimo de oxígeno frente a Pisco, Perú en los últimos 400 años	Committee
Marcio Gurgel	2008	Doctorate - Oceanography	INSU- Univ. Orléans	La sédimentation organique associée à deux systèmes d'upwelling en Amérique du Sud tropicale: implications paléo-océanographiques et paléo-climatiques au cours de l'Holocène	Committee
Jorge Cardich	2012	Master in Marine Sciences	UPCH	Especies de foraminíferos bentónicos indicadores del estado de óxido-reducción del sedimento superficial en el margen continental central del Perú	Co-director
Daniel Quispe	2012	Master – Applied Ecology	UNALM	Análisis de variabilidad espacial y temporal de condiciones oceanográficas de Bahía Independencia Pisco – Perú, entre los años 1995 – 2004	Director
Alexander Pérez	2012	Undergraduate - Biology	UNMSM	Composición bioquímica y distribución de la materia orgánica sedimentaria y sus efectos sobre la estructura	Co-director

				comunitaria de la meiofauna en la plataforma continental frente a Callao	
D'Hourdes Cuadra	2012	Undergraduate - Microbiology	UNMSM	Variación bimestral de la densidad bacteriana bentónica y su relación con factores oceanográficos y sedimentarios frente al Callao durante el año 2007	Co-director
Renato Salvatelli	2013	Doctorate - Earth Sciences	Univ. Paris VI	Variabilité multi-décennale à séculaire des conditions de préservation et d'enfouissement d'écailles de poissons dans les sédiments marins laminés au large de Pisco, Pérou, à la fin de l'Holocène	Co-director
Arturo Campusano	2013	Master in Marine Sciences	UPCH	Variabilidad milenial de las poblaciones de peces inferida a partir de escamas y restos óseos en sedimentos laminados frente a Chimbote, desde el inicio del último deglacial hasta el Holoceno temprano	Co-director
Jorge Cardich	2013	Undergraduate - Biology	UNMSM	Foraminíferos bentónicos y meiofauna metazoaria de la plataforma frente a Callao: variación estacional de la estructura comunitaria relacionada a oxígeno disuelto, H ₂ S y materia orgánica	Co-director
Víctor Aramayo	2015*	Master- Aquatic Resources	UNMSM	Composición y distribución de la meiofauna bentónica a lo largo de un gradiente latitudinal (5° 15' - 16° 53' LS) sobre el margen continental peruano	Co-director
Williams Yupanqui	2015*	Master- Aquatic Resources	UNMSM	Dinámica comunitaria del macrobentos sublitoral y factores condicionantes en la Bahía de Paita y plataforma adyacente (05°00' S)	Co-director

* Dissertation date set for december 2015

Field experience

- 2008 Meteor 177, Leg 2 (Callao - Guayaquil), November 2008. Invited scientist
- 2007 Galathea-3 Danish Expedition, Leg 14 (Antofagasta - Galápagos Islands), January 2007. Invited scientist.
- 2006-2009. Accumulated 20 days onboard the Crucero de Investigaciones Oceanográficas CRIO (IMARPE), Chief scientist.
- 2005 Crucero de Investigaciones MPI-IMARPE, April 2005. Co-Chief Scientist
- 2005 Crucero de Investigaciones Paleoceanográfico (IMARPE), June 2005. Chief Scientist
- 2004 Crucero de Investigaciones Paleoceanográfico. (IMARPE), May 2004. Chief Scientist
- 2003 Crucero de Evaluación de Recursos Demersales y Paleoceanografía. I Etapa (IMARPE), May 2003. Chief Scientist
- 2001 SO-156 Cruise, RV Sonne (Alemania), Antofagasta- Chiloé, April 2001
- 1999 Thio-99 Cruise, AGOR Vidal Gormaz (Chile Navy), Concepción, 1999

- 1997-1999 Seasonal cruises, project FONDECYT 1971336 and Program FONDAP Humboldt (1997-1999), Concepción, LC Kay-Kay (University of Concepción)
- 1998 PANORAMA Cruise, Leg 3, RV Melville, Scripps Institution of Oceanography, Callao, December 1997 – January 1998

2015

1. Gutiérrez, D., M. Akester, L. Naranjo. Productivity and Sustainable Management of the Humboldt Current Large Marine Ecosystem under Climate Change. *Environmental Development*. Environment (en prensa).
2. Salvattecí, R., D. Gutiérrez, A. Sifeddine, L. Ortlieb, E. Druffel, M. Boussafir, R. Schneider. 2015. Centennial to millennial-scale changes in oxygenation and productivity in the Eastern Tropical South Pacific during the last 25,000 years. *Quaternary Science Reviews* 131: 102-117.
3. Cardich J., D. Gutiérrez, D. Romero, A. Pérez, L. Quipúzcoa, R. Marquina, W. Yupanqui, J. Solís, W. Carhuapoma, A. Sifeddine & A. Rathburn. 2015. Calcareous benthic foraminifera associated to geochemical conditions in the upper central Peruvian margin: control by pore water redox and sedimentary organic matter. *Marine Ecology Progress Series*, Vol. 535: 63-87.
4. Ehlert, C., P. Grasse, D. Gutiérrez, R. Salvattecí & M. Frank. 2015. Nutrient utilisation and weathering inputs in the Peruvian upwelling region since the Little Ice Age. *Climate of the Past* 11, 187-202.

2014

5. Salvattecí, R., D. Gutiérrez, D. Field, A. Sifeddine, L. Ortlieb, I. Bouloubassi, M. Boussafir, H. Boucher and F. Cétin. 2014. The response of the Peruvian Upwelling Ecosystem to centennial-scale global change during the last two millennia. *Climate of the Past*, 10, 715-73.
6. Salvattecí, R., D. Field, A. Sifeddine, L. Ortlieb, V. Ferreira, T. Baumgartner, S. Caqueneau, F. Velasco, J.-L. Reyss, J.-A. Sanchez-Cabeza & D. Gutiérrez. 2014. Cross-stratigraphies from a seismically active mud lens off Peru indicate horizontal extensions of laminae, missing sequences, and a need for multiple cores for high resolution records. *Marine Geology* 357, 72-89

2012

7. Salvattecí, R., D. B. Field, T. Baumgartner, V. Ferreira, D. Gutiérrez. 2012. Evaluating fish scale preservation in sediment records from the oxygen minimum zone off Peru. *Paleobiology*, 38(1), 766-792
8. Dewitte, B., J. Vazquez-Cuervo, K. Goubanova, S. Illig, K. Takahashi, G. Cambon, S. Purca, D. Correa, D. Gutiérrez, A. Sifeddine, L. Ortlieb. 2012. Change in El Niño flavours over 1958-2008: Implications for the long-term trend of the upwelling off Peru. *Deep-Sea Research II* 77-80 (2012) 143-156.

2011

9. Gutiérrez, D., I. Bouloubassi, A. Sifeddine, S. Purca, K. Goubanova, M. Graco, D. Field, L. Méjanelle, F. Velasco, A. Lorre, R. Salvattecí, D. Quispe, G. Vargas, B. Dewitte & L. Ortlieb. 2011. Coastal cooling and increased productivity in the main upwelling cell off Peru since the mid-twentieth century. *Geophysical Research Letters*, 38, L07603-1-L07603-6. doi: <http://dx.doi.org/10.1029/2010GL046324>.

2010

10. Finney, B., J. Alheit, K.-Ch. Emeis, U. Struck, D. Gutiérrez & D. Field. 2010. Paleocological studies on variability in marine fish populations: a long-term perspective on the impacts of climatic change on marine fisheries. *Journal of Marine Systems*, 79: 316-326.
11. Emeis, K.-C., Finney, B.P., Ganeshram, R., Gutiérrez, D., Poulsen, B., Struck, U., 2010. Impacts of past climate variability on marine ecosystems: Lessons from sediment records, *Journal of Marine Systems*, 79: 333-342.

2009

12. Díaz-Ochoa, J.A., Lange, C.B., Pantoja, S., De Lange, G.J., Gutiérrez, D., Muñoz, P., Salamanca, M., 2009. Preservation of fish scales in sediments from off Callao, central Peru. *Deep-Sea Research II*, 56: 1113-1124
13. Lam, P., Lavik, G., Jensen, M., van de Vossenberg, J., Schmid, M., Woebken, D., Gutiérrez, D., Amann, R., Jetten, M., Kuypers, M. 2009. Revising the nitrogen cycle in the Peruvian oxygen minimum zone. *Proceedings of the National Academy of Sciences USA*, 106: 4752-4757.
14. Gutiérrez, D., Sifeddine, A., Field, D., Ortlieb, L., Vargas, G., Chávez, F., Velasco, F., Ferreira, V., Tapia, P., Salvattecí, R., Boucher, H., Morales, M., Valdés, J., Reyss, J.-L., Campusano, A.,

Boussafir, M., Mandeng-Yogo, M., García, M. and Baumgartner, T. 2009. Rapid reorganization in ocean biogeochemistry off Peru towards the end of the Little Ice Age. *Biogeosciences*, 6, 835 - 848.

2008

15. Gutiérrez, D., Enríquez, E., Purca, S., Quipúzcoa, L., Marquina, R., Flores, G. and Graco, M. 2008. Oxygenation episodes on the continental shelf of central Peru: Remote forcing and benthic ecosystem response. *Progress in Oceanography*, 79, 177-189
16. Sifeddine, A., Gutiérrez, D., Ortlieb, L., Boucher, H., Velazco, F., Field, D., Vargas, G., Boussafir, M., Salvatelli, R., Ferreira, V., García, M., Valdes, J., Caquineau, S., Mandeng Yogo, M., Cetin, F., Solis, J., Soler, P., Baumgartner, T. 2008. Laminated sediments from the central Peruvian continental slope: A 500 year record of upwelling system productivity, terrestrial runoff and redox conditions. *Progress in Oceanography*, 79, 190-197.
17. Tam, J., Taylor, M., Blaskovic, V., Espinoza, P., Ballón, M., Díaz, E., Wosnitza-Mendo, C., Argüelles, J., Purca, S., Ayón, P., Quipúzcoa, L., Gutiérrez, D., Goya, E., Ochoa, N. and Wolff, M. (2008). Trophic modeling of the Northern Humboldt Current Ecosystem, Part I: Comparing trophic linkages under La Niña and El Niño conditions. *Progress in Oceanography*, 79, 352-365.
18. Taylor, M., Tam, J., Blaskovic, V., Espinoza, P., Ballón, M., Wosnitza-Mendo, C., Argüelles, J., Díaz, E., Purca, S., Ochoa, N., Ayón, P., Goya, E., Gutiérrez, D., Quipúzcoa, L. and Wolff, M. (2008). Trophic modeling of the Northern Humboldt Current Ecosystem, Part II: Elucidating ecosystem dynamics from 1995 to 2004 with a focus on the impact of ENSO. *Progress in Oceanography*, 79, 366-378.
19. Valdés, J. Luc Ortlieb, Dimitri Gutiérrez, Luis Marinovic, Gabriel Vargas, Abdel Sifeddine. 2008. A 250 years – sedimentary record of sardine and anchovy scale deposition in Mejillones Bay, 23°S, Northern Chile. *Progress in Oceanography*, 79, 198-207
20. Salazar-Lindo, E., C. Seas & D. Gutierrez. 2008. ENSO and cholera in South America: what can we learn about it from the 1991 cholera outbreak? *International Journal of Environment and Health* 2008 , 2(1): 30 – 36. doi: 10.1504/IJENVH.2008.018670

2007

21. Hamersley, M. Robert, Gaute Lavik, Dagmar Woebken, Jayne E. Rattray, Phyllis Lam, Ellen C. Hopmans, Jaap S. Sinninghe Damsté, Siegfried Krüger, Michelle Graco, Dimitri Gutiérrez, and Marcel M. M. Kuypers. 2007. Anaerobic ammonium oxidation in the Peruvian oxygen minimum zone. *Limnology and Oceanography*, 52: 923-933.
22. Sellanes, J., E. Quiroga, C. Neira & D. Gutiérrez. 2007. Changes of macrobenthos composition under different ENSO cycle conditions on the continental shelf off central Chile. *Continental Shelf Research*, 27: 1002-1016

2006

23. Gutiérrez, D., L. Quipúzcoa, E. Enríquez. 2006. Oxygen deficiency and benthic communities in the Peruvian upper continental margin. *Gayana Oceanologica. Proceedings of the Workshop 'Oxygen Minimum Systems in the Ocean: distribution, diversity & dynamics'*. *Gayana Oceanologica*, 70:29-36.

2005

24. Grémare, A., D. Gutiérrez, P. Anschutz, J. M. Amouroux, B. Deflandre, G. Vétion. 2005. Spatio-temporal changes in totally and enzymatically hydrolysable amino acids of superficial sediments from three contrasted areas. *Progress in Oceanography*, 65: 89-111.

2004

25. Muñoz, P., C.B. Lange, D. Gutiérrez, D. Hebbeln, M.A. Salamanca, L. Dezileau, J.L. Reyss & L.K. Benninger. 2004. Recent sedimentation and mass accumulation rates based on 210Pb along the Peru-Chile continental margin. *Deep Sea Research II*, 51(20-21): 2523-2541.
26. Gallardo, V. A. , M. Palma, F. D. Carrasco, D. Gutiérrez, L. A. Levin & I. Cañete. 2004. Macrobenthic zonation caused by the oxygen minimum zone on the shelf and slope off central Chile. *Deep Sea Research II*, 51(20-21): 2475-2490
27. Valle-Levinson, A., W. Schneider, M. Sobarzo, M. Bello, L. Bravo, M. Castillo, L. Duarte, R. Fuenzalida, J. M. Gallegos, J. Garcés-Vargas, J. González, D. Gutiérrez, C. Molinet, M.S. Navarro, J. Pierini, E. Rodríguez-Rubio, A. Valdenegro, L. Vera, L. Zenteno. 2004. Wind-induced exchange at the entrance to Concepción Bay, an equatorward facing embayment in central Chile. *Deep Sea Research II*, 51(20-21):2371-2388.
28. Escribano, R., G. Daneri, L. Fariás, V. A. Gallardo, H. González, D. Gutiérrez, C. B. Lange, C. Morales, O. Pizarro, O. Ulloa & M. Braun. 2004. Biological and chemical consequences of the 1997-1998 El Niño in the Chilean coastal upwelling system: A synthesis. *Deep Sea Research II*, 51(20-21): 2389-2411.

2003

29. Levin, L. A., A. Rathburn, D. Gutiérrez, P. Muñoz & A. Shankle. 2003. Bioturbation in near-anoxic sediments: Implications for biofacies models and paleo-oxygen assessments. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 199: 129-140
30. Tarazona, J., D. Gutiérrez, C. Paredes & A. Indacochea. 2003. Overview and challenges of marine biodiversity research in Peru. *Gayana Oceanologica*, 67: 206-231

2002

31. Levin, L. A., D. Gutiérrez, A Rathburn, C. Neira, J. Sellanes, P. Muñoz, V. A. Gallardo & M. Salamanca. 2002. Benthic processes on the Peru Margin: A transect across the oxygen minimum zone during the 1997-98 El Niño. *Progress in Oceanography*, 53:1-27

2001

32. Graco, M., Farías, L., Molina, V., Gutiérrez, D. & and Nielsen, L. P. 2001. Massive developments of microbial mats following phytoplankton blooms in a naturally eutrophic bay: implications for nitrogen cycling. *Limnology and Oceanography*, 46(4):821-832
33. Neira, C., Sellanes, J., Soto, A., Gutiérrez, D., Gallardo, V. A. 2001. Variation of meiofauna and sedimentary organic matter composition off central Chile: response to changes caused by the 1997-98 El Niño. *Oceanologica Acta*, 24:313-328

2000

34. Gutiérrez, D., V. A. Gallardo, S. Mayor, C. Neira, C. Vásquez, J. Sellanes, M. Rivas, A. Soto, F. Carrasco & M. Baltazar. 2000. Effects of dissolved oxygen and fresh organic matter on the bioturbation potential of macrofauna in sublittoral sediments off central Chile, during the 1997-98 El Niño. *Marine Ecology Progress Series*, 202:81-99

Non ISI articles

2015

1. Briceño, F., Sifeddine, A., Caquineau, S., Cardich, J., Salvattecí, R., Gutiérrez, D., Ortlieb, L., Velazco, F., Boucher H. & C. Machado. 2015. Terrigenous material supply to the Peruvian central continental shelf (Pisco 14° S) during the last 1100 yr: paleoclimatic implications. *Clim. Past Discuss.*, 11, 3211–3239, doi:10.5194/cpd-11-3211-2015.

2014

2. Ehlert, C., P. Grasse, D. Gutiérrez, R. Salvattecí & M. Frank. 2014. Nutrient utilisation and weathering inputs in the Peruvian upwelling region since the Little Ice Age. *Clim. Past Discuss.*, 10, 3357-3396, 2014
3. Takahashi, K., Martínez, R., Montecinos, A., Dewitte, B., Gutiérrez, D. & E. Rodríguez- Rubio. 2014. Regional applications of observations in the eastern Pacific: Western South America, Report of the Tropical Pacific Observing System 2020 Workshop (TPOS 2020), La Jolla, United States, 27-30 January 2014, GCOS report 184, vol. 2, 171-205. http://www.wmo.int/pages/prog/gcos/Publications/gcos-184_II.pdf

2013

4. Hoegh-Guldberg, O., T. Aqorau, R. Arnason, T. Chansiri, N. Del Rio, H. Demone, S. Earle, M. H. Feeley, D. Gutiérrez, R. Hilborn, N. Ishii, C. Lischewski, J. Lubchenko, K. Anh Nguyen, D. Obura, H.E. Rolph Payet, T. Neroni Slade, J. Tanzer, J.H. Williams, D.J. Wright, X., Jintao Xu. 2013. Indispensable Ocean: Aligning Ocean Health and Human Well-being. Recommendations from the Blue Ribbon Panel to the Global Partnership for Oceans. https://globalpartnershipforoceans.org/sites/default/files/images/Indispensable_Ocean.pdf.
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