

CURRICULUM VITAE

Bernal Herrera-Fernández, MSc, MS, PhD.

Biodiversity Conservation & Sustainability Science Executive/Consultant

Professor & Researcher, National University, Costa Rica

Research collaborator, Brock University, Canada

Vice-chair for Latin America & the Caribbean at the Commission for Ecosystem Management of the International Union for Conservation of Nature

E-mail: [REDACTED]

Senior Consultant on nature-based solutions in Latin America & the Caribbean, Research & Innovation Division, European Commission

Regional Coordinator. Restoration Plan for Latin American & the Caribbean. United Nations Environmental Program (2022)

Deputy Director, Foundation for the Development of the Central Valley Mountain Range (Fundecor), Costa Rica. (2016-2019)

Founder and ex-Director, "Kenton Miller" Latin-American Chair of Protected Areas & Biological Corridors, Agriculture Research and Higher Education Center (CATIE), Turrialba, Costa Rica

Associate Professor, International Institute for Wildlife Conservation and Management (ICOMVIS), National University, Heredia, Costa Rica.

Vice-president for Latin American and Caribbean, Commission of Ecosystem Management, IUCN (2016-present)

Regional Chair for Central America, World Commission of Protected Areas, IUCN (2013, 2017).

Regional Chair for Mesoamerica, Commission of Ecosystem Management, IUCN (2012-2019)

Vice-President, Biodiversity Partnership Mesoamerica (a private sector initiative for business that benefit biodiversity conservation) (2015- 2019).

+6 years in leadership positions, developing strategic planning, projects, establishing partnerships and communication strategies.

8+ years in conservation project management and monitoring systems at different spatial scales.

8+ years developing strategies and tools to incorporate scientific information in the decision-making cycle, including climate change issues.

10+ years developing methodologies and tools for sustainable forest management, conservation at multiple scales (national and international initiatives) and production systems in disseminating technical and scientific information.

+5 years developing remote sensing and geographic information systems applications for supporting natural resource management.

10+ years' experience in teaching students at undergraduate, graduate, and decision-making levels.

Supported the fundraising of + \$76M for biodiversity conservation.

Languages: Spanish (native), English (proficient) and German (intermediate working level)

1. ACADEMIC QUALIFICATIONS

1.1. University

- 08.2019 – 07.2020 • Master's degree. Social Innovation and Solidarity Economy. University of Salamanca, Spain.
- 04.2000-06.2003 • Doctor Rerum Naturalium. (Final grade 1.3, *Magna Cum Laude*) Department of Remote Sensing and Landscape Information Systems, Faculty of Forestry and Environmental Sciences. University of Freiburg, Germany.
- 01.1994 – 02.1996 • Master's degree (M.Sc.). Management, Silviculture and Tropical Forest Management. Tropical Agriculture and Higher Education Center (CATIE). Turrialba, Costa Rica. (Honors)
- 03.1990 – 11.1993 • Forester. National University. Heredia, Costa Rica.
- 08.1990 – 08.1991 • Computer Operator. BYTE Study Center. Alajuela, Costa Rica.
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2. PROFESIONAL TRAINING

03. – 10.2022	• Certification: Restauration on Ecosystem and Environmental Services. Instituto de Ecología AC. Universidad Autónoma de México. México.
08.2018	• Knowledge Management Systems, DNV-GL, Amend, The Netherlands.
04. 2008	• Team Management. INCAE Business School, Alajuela, Costa Rica
11.19 – 11.24, 2007	• Team Management and Leadership. INCAE Business School, Alajuela, Costa Rica
01,2006	• Conservation Area Planning Training. San Francisco, California.
07, 2006	* Managing High Performance Teams. ADEM Business School. San Jose Costa Rica.
05.06 – 09.06, 1995 *	Statistical analysis in Agriculture with software SAS. Univariate methods. Tropical Agriculture and Higher Education Center (CATIE). Turrialba, Costa Rica.
09.07 – 13.07, 1997 *	Statistical analysis in Agriculture with software SAS. Multivariate methods. Tropical Agriculture and Higher Education Center (CATIE). Turrialba, Costa Rica.
26.05 - 24.06, 1998 *	Ecological analysis and forest site cartography (ARC-VIEW) as a base of silvicultural planning. Deutsche Stiftung für internationale Entwicklung (DSE), Zschortau, Germany.
06.2000	* Forest Resources in France and Germany. ENGREF. Nancy, France.

3. PROFESSIONAL EXPERIENCE

2.1 Natural Resource Management

04.2022-12.2022. Regional Coordinator. Restoration Plan for Latin American & the Caribbean. United Nations Environmental Program (consultant)

- Identification of strategic partners in the region that can participate actively in the UN Decade on Ecosystem Restoration and the implementation of the Regional Action Plan
- Develop a Roadmap for Innovative Ecosystem Restoration Investment & Financing in LAC
- Organization and coordination of a High-Levels Regional Dialogues on the Action Plan for Ecosystem Restoration in LAC
- Identify and develop project proposals for an ecosystem restoration flagship program in Latin America
- Coordination of the work on regional studies on restoration initiatives and country consultants in Colombia, Mexico, and Brazil.

01.2020- 04.2021. Technical Advisor, nature-based solutions initiatives, and CBD post 2020 framework, Expertise France-European Union

- Advisor, Ministry of Environment and Energy, Costa Rica (05.2018-03.2020)
- Coordinate the design of the national policy on nature-based solutions under the leadership of the Ministry of Environment and Energy of Costa Rica (Consultancy, Fundación Banco Ambiental, Costa Rica)
- Coordinator CBD Post 2020 European Union Biodiversity Support Project for Costa Rica

01.2019 -12.2021. Project Manager, Fundecor, Costa Rica

- Lead and coordinate biodiversity and protected areas adaptive management project.

05.2016 – 01.2019 Deputy Technical Director, Fundecor, Costa Rica

- In coordination with the CEO, lead the development of the 5-year strategic, and monitoring plan for the institution, including the operative annual plans, organization business plan and reporting on their implementation.
 - Develop a strategic pathway that integrates environmental dimension on productive systems (ej. forest management, agricultural systems, water management) at landscape level.
 - Support the budgeting process and monitoring its implementation in the programs supervised.
 - Supervise 4 thematic programs and 20 technical staff including consultants.
 - Technical lead of key organization programs in innovative areas such as public-private alliances (Agua Tica), knowledge transfer (“The Costa Rica Green Hub”), landscape resilience (Sarapiquí Resiliente) and sustainable forest management and ecosystem services (Buena Madera).
 - Lead the development of innovative technology applications (e.g. drones and Lidar data, citizen science, apps) to increase local and national capacity to address societal challenges such as climate change and biodiversity loss.
 - Prepare a strategy to develop innovative knowledge to support the above-mentioned programs and as a basis for new organization business models.
 - Design and implement a national and international partnership program that underpins the organization strategy.
 - Support the Executive Director in the identification and preparation of financial opportunities for the key organization programs.
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03.10- Director, “Kenton Miller” Latin-American Chair on Protected Areas &
04.16 Biological Corridors, CATIE, Turrialba, Costa Rica

- Design and implement a fundraising strategy for the implementation of the Chair strategy on education, research and outreach.
- Design and conduct applied research in Latin America on protected area management, management effectiveness monitoring, landscape monitoring strategies, climate change, protected area managing plans methodologies, and biological corridors strategies.
- Design and implement a Latin America capacity building and training strategy to increase capacity in protected area systems management.
- Establish a network of partners that supports Chair’s objectives and long-term goals.
- Design a regional technical cooperation program that supports and strengthening regional capacities in protected areas.

Key projects

Strengthening the coastal-marine protected area system of the Northern Honduras. GEF/PNUD/Minister of Environment. \$3,2M. 5 years.

- Project negotiation with UNDP and Government of Honduras
- Project coordinator for CATIE (ca. 15 staff, including consultants).
- Prepare annual work plan.
- Provide the overall technical advice for the project.
- Coordinate with the Minister of Environment of Honduras and other national and local partners.

Regional Climate Change Program for Central America and Dominican Republic” (CATIE/USAID). \$18M, 5 years.

- Co-lead the international consortia (UICN/DAI/Terra Global/Care/TNC) for project proposal preparation.
- Coordinate the technical proposal preparation.
- Provide technical advice in the implementation phase.

- Provide management advice to the Chief of Party.
- Member of the of Project Steering Committee

Identification of the Red List of Ecosystems for Costa Rica. (IUCN, \$200K, 2 years)

- Design and implement the research, including team assemblage, data, and GIS modelling.
- Present results to global coordination team and international meetings.

Design methodologies for enhancing adaptive capacity and climate change adaptation and its synergies with mitigation for protected areas and functional conservation areas in Central America. (Several donors: GIZ, Costa Rica por Siempre, \$2M, 5 years),

- Design of methodologies for improving the adaptive capacity (planning and monitoring) in protected areas and conservation corridors in Central America (e.g. guidance for ecological integrity assessment in PA, guidance for designing biological corridors in Latin America).
- Design of standards for designing and monitoring governance in protected area management in Central America.
- Design guidelines for assigning management categories in PA.
- Prepare guidelines for designing national climate change adaptation strategies (e.g. Estrategia Nacional de Adaptación del Sector Biodiversidad al Cambio Climático en Costa Rica).
- Develop of ecological, governance, coastal-marine, indicators for management effectiveness monitoring.

07.09-
04.10 **Science Director. Northern Andes & Southern Central America Region (NASCA),
The Nature Conservancy.**

- Develop a strategic Plan to fulfill science priorities of five countries in the NASCA Region.
- Reengineer science team to align science objectives with conservation practitioner's information needs.
- Manage and mentored a high-level science team (5 members).
- Provide technical and scientific guidance for aligning regional science needs with Latin American science needs.
- Coordinate ca. 20 conservation projects on terrestrial, freshwater, and marine issues.
- Design a regional climate change vulnerability analysis and supported the design of adaptation strategy in key priority sites.
- Develop and prioritize a regional science agenda based on regional (5 countries) information needs.
- Support the development of tools for conservation planning, including infrastructure projects.
- Support the definition of regional conservation goals for terrestrial, freshwater, and marine biodiversity.
- Design monitoring systems and tools to evaluate the effectiveness of protected areas strategies for priority global projects.

01.07 – 08.08 **Scientific coordinator of Climate Change, The Nature Conservancy,
Mesoamerican & Caribbean Region, Science Program**

- Develop of a Regional science agenda based on Mesoamerican country needs.
- Communicate results and look for synergies within the Region and with TNC Global Groups.

07.08 – 06.09 **Science Manager. National Implementation Support and Partnership Program, TNC, Mesoamerica & Caribbean Region**

- Support the national biodiversity (terrestrial, freshwater, marine) gap analysis in protected areas systems in Mesoamerica & Caribbean Region.
- Provide technical assistance for designing resilient protected area systems to climate change.
- Provide technical assistant to the ecological integrity evaluation project for the Protected Area System of Guatemala and Colombia.

03.04 – 07.09 **Science Director, The Nature Conservancy, Costa Rica Program.**

Management responsibilities:

- Program strategic planning and budgeting and its integration with National Planning and Regional Planning processes.
- Personal recruitment, motivation, and coaching.
- Identification and monitoring of key partners and develop strategic alliances according to Program objectives and scientific needs.
- Develop a communication strategy.
- Support and prepare fundraising proposals.

Key projects

Climate change science and biodiversity

- Provide scientific support on the definition of the Climate Change Strategy for the Biodiversity sector.
- Participate as an expert in two CBD *Ad Hoc* Expert Meetings for providing recommendations for countries on mitigation and adaptation issues.
- Develop tools, including monitoring strategies, for assessing the resilience of the Costa Rica protected areas and biological corridors.
- Integrate adaptation for climate change issues, on TNC national and site planning, including TNC priority campaigns (e.g Costa Rica Forever).

***Development of long-term financial mechanisms for protected area management:
(Forever Costa Rica)***

- Design the technical investments for achieving conservation goals.
- Ensure scientific quality of project deliveries.
- Provide guidance in project planning and implementation plan.
- Ensure the articulation of the project with other national strategies.
- Provide scientific advice on the project contribution to climate change adaptation.

Ecoregional Assessment, Southern Mesoamerica.

- Provide technical support.
- Coordinate national process with regional initiatives.
- Review Ecoregional Assessment Portfolio and integrate the results in the national planning process.

Strengthening the Protected Area Management of the Costa Rican National Protected Area System (SINAC)

- Developed a manual of best practices for developing protected area management plans.
- Identification of major barriers on implementing protected areas management plans.
- Design and develop a methodology for measuring the managing effectiveness in biological corridors.

The Costa Rica Gap Analysis: GRUAS II.

- Member of the technical committee for the terrestrial realm, providing technical coordination and integration with other national initiatives.
- Coordinator of the technical committee for the preparation of the marine gap analysis.
- Member of the Marine National Committee, providing technical guidance in preparing the “National Marine Strategy for the Management of Costa Rica Coastal Marine Resources”.
- Along with government representatives, coordinate the development of implementation plans for filling the identified conservation gaps.

National Monitoring Strategy for Protected Areas and Biological Corridors

- Member and Coordinator of the National Committee.
- Provided technical support to the National Monitoring proposal.
- Establish joint ventures with academic and NGOs in order to implement the monitoring proposal.
- Ensures the inclusion of climate change variables in the monitoring system.
- Develop, along with academic institutions, spatial models for predicting climate change impacts on protected areas and biological corridors at national level.

***Research Program on Biological Corridors Design and Management
TNC-CATIE***

- Define and prioritize research topics relevant to national and local information needs.
- Advise the research projects.
- Communicate and incorporate research results on decision making process.

Development and implementation of a research agenda for supporting management decision process

- Identify key research themes regarding the following key-knowledge areas (all in Costa Rica): socioeconomic and biophysical impact of hunting, developing ecological indicators in different ecosystems, effects of invasive species in native biodiversity, rapid ecological and socioeconomic appraisals, and development of biological corridors and modeling future scenarios of climate change and impacts on Costa Rican biodiversity distribution.
- Develop a knowledge management protocol for identifying and monitoring the integration of the developed research into the decision-making process of TNC partners.

Conservation of International Park La Amistad, Costa Rica, Panamá.

- Provide technical assistant and leadership in the developing of a conservation area plan, including the biophysical and socioeconomic assessments as well as the development of conservation strategies.
- Design an ecological monitoring program for the La Amistad National Park and buffer zones.
- Design a biological corridor between La Amistad and Osa protected areas.
- Scientific advisor for the Conservation Area La Amistad Pacifico, SINAC.

Conservation in the Osa peninsula, Costa Rica.

- Technical advisor for the development of 7 protected area management plans.
- Provide technical assistant and leadership in the developing of a conservation area plan, including the biophysical and socioeconomic assessments as well as the development of conservation strategies.
- Develop a measure of success standard to evaluate the effectiveness of the implemented conservation strategies.
- Design and implement ecological monitoring program at landscape scale for the Osa Conservation Area.

Development of information systems and information tools

- Develop of GIS databases for La Amistad and Osa sites.
 - Chief editor of TNC Technical Series “Apoyando los Esfuerzos de la Conservación y Manejo de la Biodiversidad Neotropical”.
 - Design of communication mechanisms for sharing spatial and tabular information and conservation kit-tools.
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Project Manager

02.1996 -02.1998 Cooperative Research Project in Forest Site Quality Evaluation. Tropical Agriculture Research and Higher Education Center (CATIE) and Center for Agricultural Research (CIA) of the University of Costa Rica, Costa Rica.

2018-current. Steering Committee Member, Vice-president for Latin America and the Caribbean, Commission on Ecosystem Management, UICN

- Coordinate and provide leadership on regional activities related to Commission agenda.
- Provide technical advisor to the Commission Chair on technical and operational matters.
- Participate in the development of Commission strategic plan.
- Provide guidance and support to Commission thematic groups on mountains, mangroves, sustainable use, and biosphere reserves.
- Propose and lead technical activities in specific technical topics such as biosphere in different continents to advance CEM technical agenda.

4. CONSULTANCIES

2023	<u>Senior Consultant on nature-based solutions in Latin America & the Caribbean, Research & Innovation Division, European Commission (Dec-February).</u>
2021	<u>International Union for Conservation of Nature (IUCN) – Proyecto Enlazando el Paisaje. Development a methodology for the identification, evaluation and monitoring other effective area-based conservation measures for Central America.</u>
2020-2021	<u>International Union for Conservation of Nature (IUCN) – Proyecto Conecta+, Advising the consolidation of biological corridors and UICN Green List of Protected Area in Honduras.</u>
2021	<u>International Union for Conservation of Nature (IUCN) Analysis of protected areas contribution to reduce deforestation in the Selva Maya (México, Belize, Guatemala.</u>
2020-2021	<u>Fundación Natura, Panamá. Design a monitoring system of organization conservation impact.</u>
2019 -present	<u>Fundación Natura Panama. Optimization strategy of foundation’s environmental found investments in biodiversity conservation.</u>
2019 - 2020	<u>Fundación Natura Panama. Conservation Plans for Darién Region (Garachiné) and Chagres National Park</u>
2019-	<u>International Union for Conservation of Nature (IUCN). Design of a Biological Connectivity Network in Selva Maya (México, Belize, Guatemala)</u>
2014	<u>Asociación Costa Rica por Siempre. Conservation investments prioritization system.</u>
2014.	<u>Red Latinoamericana de Fondos Ambientales. Technical assistance for developing an conservation impact monitoring system.</u>
2014	<u>UICN- World Heritage Program UNESCO. Co-lead, reactive monitoring mission, Coiba National Park, Panama.</u>
04- 07 2004.	<u>Programa Ambiental para Centro America (PROARCA). The Nature</u>

Consevan, USAID. Develop ecological integrity tools for protected areas.

- 06-07. 2004 Aide à la Décision Economique, for the European Commission, Belgium.
Assessment of European Union coastal-marine projects in Central America.
- 06 - 10. 1999 The World Conservation Union (UICN). Forest Innovation Project (UICN,
WWF,GTZ). Develop forest management indicators at landscape level in Central
America.
- 10.1996 - 02.1997 Food Agriculture Organization of the United Nations (FAO). Comisión
Centroamericana de Ambiente y Desarrollo (CCAD)
y Consejo Centroamericano de Bosques y Areas Protegidas (CCAB-AP).
Develop forest management standards in Central America.

5. SCIENTIFIC EXPERIENCE

Research Collaborator

08.2019-present Project: "Beyond sustainability: radical transformation through system thinking". Brock University, Canada.

• Senior Scientist

06.2002-12.2003 Project "GSE Forest Monitoring". Department of Remote Sensing and Landscape Information Systems, University of Freiburg, Germany and European Space Agency (ESA).

- Coordinated European institutions in the development of training activities regarding the application of remotely sensed products for decision making.
- Reviewed and improved the training curriculum in European countries.
- Identified cost and benefits of the training in different timeframes.

Project "STURMMOM" Department of Remote Sensing and Landscape Information Systems, University of Freiburg, Germany.

- Developed spatial models for predicting storm damages at landscape scale in the Black Forest, Germany.
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Scientist

03.2003-08.2003 Biodiversity Assessment Tools Project. Identifying Indicators to assess the impact of European Policies on Biodiversity. University of Freiburg, Germany. (EU Project)

- Selected and analyzed effective indices for landscape description (structure and function)
- Developed a methodology for developing statistical models for biodiversity monitoring.
- Analyzed the spatial distribution of biodiversity in European landscapes by means of statistical modeling.

04.2000-12.2001 Tree Resources Outside the Forest Project (TROF). Department of Remote Sensing and Landscape Information Systems, University of Freiburg, Germany. (EU Project).

- Developed spatial models to evaluate factors affecting the spatial distribution of trees and group of trees in a landscape in Honduras
 - Established a geo-database (GIS) and evaluated its accuracy
 - Analyzed the spatial distribution of trees and group of trees using GIS procedures.
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Scientist

02.1996–
02.1998 Cooperative Research Project in Forest Site Quality Evaluation. Tropical Agriculture Research and Higher Education Center (CATIE) and Center for Agricultural Research (CIA) of the University of Costa Rica, Costa Rica.

- Identified research needs and prepared research proposal.
- Prepared strategy plan and annual work plans.
- Planned the field activities.
- Designed soil fertility surveys in tropical forests.
- Developed site productivity indicators and analyzed its relation to environmental variation in tropical secondary forest of Northern Costa Rica.
- Developed statistical models to assess and predict site quality in tropical secondary forest.
- Research results disseminated in congress and published in national and international journals.
- Supervised research assistants and field crews.
- Offered academic advisor to M.Sc. students.

• Scientist

10.1998 – 12.1998 Production in Secondary Forest Project. Tropical Agriculture Research and Higher Education Center (CATIE) and Center for International Forestry Research (CIFOR), Costa Rica.

- Prepared a soil protocol to carry out surveys in Brazil, Peru and Nicaragua.
 - Prepared a research proposal to assess the potential management at a landscape level of secondary forests in the Peruvian Amazon.
 - Visited possible research sites in the Peruvian Amazon.
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Research Assistant (as undergraduate student)

01.1994 – 2.1995 Silviculture of Natural Forests Project CATIE-COSUDE-ODA. Tropical Agriculture Research and Higher Education Center (CATIE), Costa Rica.

01.1992- Management and Conservation of Costa Rican Wetlands. School of
12.1992 Environmental Sciences, National University, Costa Rica.

- Mapping (photo- interpretation) Costa Rican wetlands.

- Wetland database design and management.

6. PROFESSOR

- **Professor**

08. 2007 - present Affiliate Professor/ Professor, Graduate School, Agriculture Research and Higher Education Center (CATIE)

06.2014 – 06.2021 Invited Professor. Polytechnical Institute of Mexico.

03.2008- present Associate Professor, International Institute for Conservation Wildlife Management, National University, Heredia, Costa Rica.

2011-2014 Coordinator, International Course on Protected Areas and Biological Corridors, Agriculture Research and Higher Education Center (CATIE).

1996 – 2021 Thesis committee member of 22 graduate students at Graduate School, Agriculture Research and Higher Education Center (CATIE), National University and University of Freiburg, University of Chapingo-Mexico, University of Linares-Mexico, in topics related to landscape ecology, environmental factors affecting forest productivity and growth in Costa Rica, Nicaragua, and Guatemala, design and management of biological corridors, management monitoring tools, protected areas management, financial mechanisms.

8.1998 – 12.1998 Ecology and Forest Ecology. School of Environmental Sciences, National University, Costa Rica

Guest Researcher and Post-docs

02.2020-present	Brock University, Canada. Research collaborator, project "Beyond Sustainability".
10-12, 2003	University of Freiburg. Developing automatic methods using object-oriented approaches for extracting information from LIDAR imagery. (Post-doc).
04, 2003	University of Castilla-La Mancha, Campus Toledo. Developing statistical models for predicting plant biodiversity in Spanish landscapes.
12, 2000	University of Agricultural Sciences, Vienna, Austria. Analyzing segmentation and classification algorithms for automatic classification of forests.

7. DISTINTIONS

- Coordinating Lead Author, Americas Assessment. IPBES (2014-2018)
- Climate Change Coordinator and Member of the Organization Committee. III Latin American and Caribbean Protected Area Congress (2019)
- Chair's Award, Commission on Ecosystem Management, UICN (2016)
- President, Scientific Committee, Congress of the Mesoamerican Society of Conservation Biology (2012, 2017)
- Member (2012-present) and Member of the Board, Tropical Science Center, Costa Rica (2018-present).
- Member of the Official Delegation of Costa Rica in CBD COP-10, Nagoya, Japan
- Vice-President for Latin American and the Caribbean, Commission on Ecosystem Management, UICN (2016-present)
- Regional Vice-Chair for Central America, World Commission of Protected Areas, IUCN (2013-2017).
- Regional Chair for Mesoamerica, Commission of Ecosystem Management, IUCN (2008-2016).
- Research fellowship. University Castilla-La Mancha, Toledo, Spain (2003).
- Scholarship, German Academic Exchange Service (DAAD), doctoral studies in Germany (1999-2003).
- Scholarship for a training course in Germany. Deutsche Stiftung für internationale Entwicklung (1998).
- M.Sc., Graduate School, CATIE. Honors (1996).
- Scholarship ROCAP/USAID. M.Sc Graduate studies at CATIE, Costa Rica (1993).
- Forest engineer, National University, Heredia, Costa Rica. Honors (1993).

8. SCIENTIFIC PRODUCTION¹

Kohl, J., & Herrera-Fernández, B. (2021). Condition-based protected area zoning tied to conservation planning and targets. *PARKS*, 27, 43.

Anderson, C. B., Seixas, C. S., Barbosa, O., Fennessy, M. S., Díaz-José, J., & **Herrera-F, B.** (2019). Determining nature's contributions to achieve the sustainable development goals. *Sustainability Science*, 14(2), 543-547.

Bland, L. M., Nicholson, E., Miller, R. M., Andrade, A., Etter, A., Ferrer-Paris, J. R., **Herrera, B.** & Zager, I. (2018). Impacts of the IUCN Red List of Ecosystems on Conservation Policy and Practice.

Alvarado, JJ, **Herrera, B**, Corrales, L, Asch, J, Paaby, P. 2011. Identificación de las prioridades de conservación de la biodiversidad marina y costera en Costa Rica. *Rev. Biol. Trop.* 59 (2): 829842.

Herrera, B., Finegan, B. 2008. La planificación sistemática como instrumento para la conservación de la biodiversidad. Experiencias recientes y desafíos en Costa Rica. *Recursos Naturales y Ambiente* 54:4-13

Arias, E; Chacón, O; **Herrera, B**; Induni, G; Acevedo, H; Coto, M; Barborak;JR. 2008. Las redes de conectividad como base para la planificación de la conservación de la biodiversidad: propuesta para Costa Rica. *Recursos Naturales y Ambiente* 54:37-43.

Arias, E; Chacón, O; Induni, G; **Herrera, B**; Acevedo, H; Corrales, L; Barborak, JR; Coto, M; Cubero, J; Paaby, P. 2008. Identificación de vacíos en la representatividad de ecosistemas terrestres en el Sistema Nacional de Áreas Protegidas de Costa Rica. *Recursos Naturales y Ambiente* 54:21-27.

Canet, L; Finegan, B; Bouroncle, C; Gutiérrez, I; **Herrera, B.** 2008. El monitoreo de la efectividad del manejo de corredores biológicos. Una herramienta basada en la experiencia de los comités de gestión en Costa Rica. *Recursos Naturales y Ambiente* 54:51-58.

¹ Complete list of publications: https://www.researchgate.net/profile/Bernal_Herrera-F

Herrera, B., Koch, B. 2004. Contributions of New Remote Sensing Tools to Forest Biodiversity Assessment and Monitoring. In: Folke Andersson, Yves Birot and Risto Päivinen (eds.). Towards the Sustainable Use of Europe's Forests –Forest Ecosystem and Landscape Research: Scientific Challenges and Opportunities. Finland. European Forestry Institute. Proceedings No. 49. Pp. 275-292.

Herrera, B., Kleinn, C., Koch, B., Dees, M. 2004. Automatic classification of trees outside forest using an object-driven approach: an application in a Costa Rican landscape. *Photogrammetrie Fernerkundung und Geoinformation* 2, 111-119.

Herrera-F, B. Chassot O, Monge G, Canet L. 2016. Technical Guidelines for the Design and Management of Participatory Connectivity Conservation and Restoration Projects at the Landscape Scale in Latin America. Technical Series 82. CATIE, Turrialba, Costa Rica.

Andrade, A; Córdoba, R; Dave, R.; Girot, P; **Herrera-F., B.**; Munroe, R; Oglethorpe, J; Paaby, P; Pramova, E; Watson, E; Vergara, W. 2011. Draft Principles and Guidelines for Integrating Ecosystem-based Approaches to Adaptation in Project and Policy Design: a discussion document. IUCN- CEM, CATIE. Turrialba, Costa Rica. 30p.

Secretariat of the Convention on Biological Diversity. 2009. Connecting Biodiversity and Climate Change Mitigation and Adaptation: Report of the Second Ad Hoc Technical Expert Group on Biodiversity and Climate Change. Montreal, Technical Series No. 41. 126p. **(Coauthor)**.

Andrade, A, **Herrera, B.** Cazzolla, R. 2010 (eds) Building Resilience to Climate Change: Ecosystem –based adaptation and lessons from the field. Gland, Switzerland, IUCN. 164p.

Chaverri, A., **Herrera, B.**, Herrera – McBryde, O. 1997. La Amistad Biosphere Reserve (Costa Rica – Panama). In: Centers of Plant Diversity: a guide and strategy for their conservation. Vol 3. Ed. By S.D. Davis et al. WWF-UICN. Washington DC. P 209-214.