

# José R. Ferrer-Paris

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## APPOINTMENTS AND EXPERIENCE

### SENIOR RESEARCH FELLOW / SENIOR LECTURER

University of New South Wales, Sydney

Oct 2022 – Present

- Tracking ecosystems and adapting management to change in New South Wales, Australia.
- Impacts of Red List of Ecosystems in Africa.
- Red List of Ecosystem assessment of tropical glaciers.
- Editor of the Red List of Ecosystems guidelines (v2.0)
- Member of the UNSW Data Science Hub

### SENIOR RESEARCH FELLOW

University of New South Wales, Sydney

Jul 2019 – Oct 2022

- Development of the IUCN Global Ecosystem typology, leading the preparation and management of digital resources (code, datasets, database and maps).
- Development of the Fire Ecology Traits for Plants database for fire research and management.
- Red List of Ecosystems assessments in Myanmar, Chile and Venezuela
- Member of the UNSW Data Science Hub

### ADJUNCT RESEARCHER

Provita (NGO), Venezuela

2016 – Oct 2018

- Lead the first continental Red List of Ecosystems assessment of the forest of the Americas.
- Development of the Red List of Ecosystems assessments database

### RESEARCH FELLOW

Instituto Venezolano de Investigaciones Científicas, Venezuela

2014 – Oct 2018

- Head of the Spatial Ecology Lab at the Centre for Botanical and Agroforestry Studies.
- Management of the Herbarium and the Invertebrate collection
- Assessment of conservation status of more than 30 invertebrate species for the Venezuelan Red Book of Threatened Animals.

### POST DOCTORAL FELLOW

University of Cape Town and South African National Biodiversity Institute, South Africa

Oct 2011 – Mar 2013

**Instituto Venezolano de Investigaciones Científicas**, Venezuela

Jan 2011 – Mar 2014

- Linking biodiversity databases for research on macroecological patterns in biotic interactions between butterflies and their hostplants.

## **PROJECT MANAGER**

Biodiversity Research Unit, **Instituto Venezolano de Investigaciones Científicas**, Venezuela

Jan 2007 – Mar 2010

- Biodiversity informatics, collection management and database management.
- Project leader of the Neotropical Biodiversity Mapping Initiative (NeoMapas).

## **QUALIFICATIONS**

### **PhD in Ecology**

Instituto Venezolano de Investigaciones Científicas, Venezuela

Sep 2001 – Feb 2009

### **Diplom-Biologe**

Universität Bayreuth, Germany

1995 – 2001

## **PROFESSIONAL ACTIVITIES**

Member of the **International Union for Conservation of Nature's** Commission on Ecosystem Management:

- Member of the **Red List of Ecosystem (RLE) Thematic group**
- Member of the **RLE Database Committee**
- Member of the **Global Ecosystem Typology committee**
- Contributing to the **Green Status of Ecosystem working group**

Member of the **Society for Conservation Biology** (Washington D.C., USA), **Ecological Society of Australia** and **Sociedad Venezolana de Ecología**.

# RESEARCH INTERESTS

I apply **function-based** approaches to understand and classify terrestrial, freshwater, marine and subterranean ecosystems.

I collaborate with international research and practitioner networks **leading the development of ecosystem specific indicators and analytical methods.**

These indicators support risk assessments of ecosystems, condition measurement and quantitative synthesis of ecosystem data to **inform national and global reporting on biodiversity conservation and sustainable development.**

# RESEARCH OUTPUTS

**August 2024:**

- 40 peer reviewed publications in scientific journals, two books, one book chapter and one article in conference proceedings,
  - [Google Scholar](#) (since 2019): H-index = 16 (13), i10-index = 20 (16); citations = 1135 (918)
  - [Scopus](#): H-index = 13, 36 documents, 640 citations by 573 documents,
  - [Web of Science](#): H-index = 12, 34 publications, 463 citations, 31 verified peer reviews
- Contributions to open and reproducible science including pre-prints, reports, datasets, code and software in open access research repositories,
  - [DataCite Commons](#): 379 works with 365 citations, 94% with open access licenses
  - [Figshare](#): 63 contributions, 53991 item views, 21295 item downloads,
  - [Zenodo](#): 108 contributions, [OSF](#): 9 public projects, [GitHub](#): 99 repositories

# RESEARCH GRANTS

IUCN, International Union for Conservation of Nature	2024
• Chief investigator, 30,000 CHF (approved)	
NSW Applied Bushfire Science Program	2022
• Chief investigator, 49,000 AUD	
IUCN, International Union for Conservation of Nature and Natural Resources, Eastern and Southern Africa Regional Office (ESARO) / International Contract	2021
• Chief investigator, 23,435 USD	
University of Eastern Finland / International Contract	2020
• Partner investigator, 18,000 USD	
Encyclopedia of Life. Washington, USA.	2013
• EOL Rubenstein Research Fellows award, 30,000 USD	

# HIGHER DEGREE RESEARCH STUDENT SUPERVISION

Instituto Venezolano de Investigaciones Científicas, Venezuela:

- Izabela Stachowicz, PhD, Primary Supervision 2014-2018
- Arianna Thomas Cabianca, MSc (Masters by research), Joint Supervision 2011-2014

## EDUCATION, CAPACITY BUILDING AND OUTREACH

**Skills seminar for HDR students** 2023-2024

- Contributed sessions on reproducibility of research, sharing of research data, and best practices for coding in R.

**uDASH Year 10 Work Experience** 2022-2024

- Outreach activity of the UNSW Data Science Hub
- Work experience program for Year 10 students
- Led development and delivery in 2023
- Design of the week activities combining lectures, invited speakers, guided hands-on coding work
- Introduction to R and posit cloud

**Carpentries Instructor** 2022-2024

- Certified Carpentries Instructor
- Volunteer instructor for Data carpentry and Software carpentry workshops

**UNSW codeRs** 2021-2024

- R coding community run by students and staff
- Founder and Steering Committee member
- Drop-in help sessions for R coding and statistics
- Virtual, in-person and hybrid workshops

**Restech drop-in help sessions** 2021-2023

- Mentoring of staff and students
- Coding help for R and Python users
- Using High Performance Computers for Research
- Accessing Research Technology Services on campus

Workshop **Red List of Ecosystems in Africa**, Kigali, Rwanda 2022

- Co-led organisation
- Topic: Red List of Ecosystems in Africa, supporting policy, practice and planning
- Event at the IUCN Africa Protected Area Congress, APAC

**Biostatistics course**, Universidad Nacional de Asunción, Paraguay 2019

- Invited lecturer
- Postgraduate program “Maestría en Ciencias Biológicas; Mención Biodiversidad y Sistemática”

- Led development and delivery

**Red List training workshop**, Abu Dhabi, United Arab Emirates 2018

- Red List of Threatened Species and Red List of Ecosystem training workshop
- Equal contribution to convening and delivering
- First joint workshop on Red List methods for species and ecosystems

**Red List of Ecosystem training workshop**, Georgetown, Guyana 2018

- Invited instructor

Symposium **An Insight into the Orinoco Mining Arc**, Trinidad & Tobago 2018

- An Insight into the Orinoco Mining Arc: its implications for Venezuela and the eastern Caribbean
- Co-led organisation
- Inaugural Latin American and Caribbean Congress on Conservation Biology.

**Red List of Ecosystem training workshop** Asunción, Paraguay 2017

Workshop Innovative Tools and Approaches for Ecosystem Risk Assessment in Latin America and Symposium Red Lists of Ecosystems in Latin America from National Efforts to a Regional Strategy, Cartagena, Colombia 2017

- Co-led organisation
- Part of the scientific program of the 28th International Congress for Conservation Biology

**Capacity-building program for species conservation**, Venezuela 2014-2017

- Design and testing of a replicable, scalable capacity-building model
- Supporting role in design, equal contribution in delivery and supervision
- Inter-institutional courses leveraged on the research facilities and infrastructure provided by the host institution
- provided training to more than 200 students, professionals, technicians and governmental agency officials involved in the management of biological diversity.

**NeoMaps: biodiversity monitoring**, Venezuela 2006, 2009, 2010

- Immersive international field courses with students, volunteers and lecturers from Latin America, Spain, USA, France and UK
- Different roles: coordinator of field work and lab activities (2006), design and convening (2009, 2010)
- Program included training and induction, theory, immersive fieldwork and laboratory/ collection management work

## REFERENCES

Available upon request