

Paul Efren

CBP: 15490

Paul Efren Santos Andrade. Biólogo y entusiasta de la Programación en R



Descarga el CV en formato PDF

CONTACTO

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🐦 [PaulEfrenSantos](https://twitter.com/PaulEfrenSantos)

PROGRAMAS

📊 R
🐍 Python
🌐 ArcGIS
🎨 CSS
🔑 Git
🗄️ SQL
AutoCAD
Photoshop






Elaborado con el paquete *pagedown*.
Código disponible en:
github.com/PaulESantos/cv.
Actualizado: 2022-08-26.

EDUCACIÓN

- 2018 • **MAESTRÍA EN ECOLOGÍA Y GESTIÓN AMBIENTAL**
Universidad Nacional San Antonio Abad 📍 Cusco, Peru
- 2012 |
2008 • **BACHILLER EN BIOLOGÍA**
Universidad Nacional San Antonio Abad 📍 Cusco, Peru

EXPERIENCIA

- 2022 |
2020 • **ASISTENTE TÉCNICO**
Municipalidad provincial del Cusco - Gerencia de Desarrollo Urbano y Rural
Subgerencia de Ordenamiento Territorial Provincial 📍 Cusco, Peru
· **Proyecto:**
Mejoramiento y recuperación de las condiciones de habitabilidad urbana en 41 Zonas de Reglamentación Especial de la Provincia de Cusco.
- 2020 |
2019 • **ASISTENTE DE INVESTIGACIÓN**
Universidad de Arizona
Universidad de Bergen 📍 Cusco, Peru
· **Proyecto:**
Roles of inter and intra specific variability in the composition and functional diversity of high Andean plants of the Puna in the Manu National Park
- 2017 |
2016 • **ASISTENTE DE INVESTIGACIÓN**
University of Miami
Department of Biology 📍 Cusco, Peru
· **Proyecto:**
Vulnerability to forest drought dominated by Bamboo: Detection with remote sensing and functional adaptation of the plant community in the Amazon - Andean gradient compared to forest without bamboo

- 2016 ● **ASISTENTE DE INVESTIGACIÓN**
University of Oxford  Cusco, Peru
GEM Global Ecosystems Monitoring Network
· **Proyecto:**
RAINFOR - GEM: A Proyecto to understand the carbon balance in the Andean and Amazonian forests
- 2015 ● **ASISTENTE DE INVESTIGACIÓN**
The Open University  Cusco, Peru
Department of Environment, Earth & Ecosystems
Centre for Earth, Planetary, Space & Astronomical Research
CEPSAR
· **Proyecto:**
Evaluate the contribution of tree- stem CH₄ and N₂O emissions to the total ecosystem emissions from a range of tropical rainforests on the south-eastern slopes of the Andes
- 2015 ● **ASISTENTE DE INVESTIGACIÓN**  Cairns QLD, Australia
University of Oxford
Environmental Change Institute
University of Leeds
James Cook University
· **Proyecto:**
T- Forces: Changes of tropical forests in the land system
- 2015
|
2013 ● **ASISTENTE DE INVESTIGACIÓN**  Cusco, Peru
University of Miami
Department of Biology
· **Proyecto:**
Factors that influence the dynamics and location of the forest line between the forest and the Puna on Parque Nacional del Manu – Peru at Acjanaco, Qurqurpampa and Tres Cruces (4ta Period)
- 2014 ● **ASISTENTE DE INVESTIGACIÓN**  Oxapampa, Peru
University of Oxford
Environmental Change Institute
University of Leeds
· **Proyecto:**
T- Forces: Changes of tropical forests in the land system
- 2013
|
2010 ● **ASISTENTE DE INVESTIGACIÓN**  Cusco, Peru
University of Aberdeen
Institute of Biological and Environmental Sciences
· **Proyecto:**
Are tropical uplands regional hotspots of methane and nitrous oxide?

2013

ASISTENTE DE INVESTIGACIÓN

University of Oxford

Environmental Change Institute

Pontificia Universidad Católica del Perú

Instituto de Ciencias de la Naturaleza Territorio y Energía Renovables

📍 Cusco, Peru

· Proyecto:

CHAMBASA - CHallenging Attempt to Measure Biotic Attributes along the Slope of the Andes

2012

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2011

ASISTENTE DE INVESTIGACIÓN

University of Edinburgh

School of Geo Sciences

📍 Cusco, Peru

· Proyecto:

Respiration of soil with the Multiplexer Licor along a gradient of elevation of the Andes to the Amazon



TALLERES

2021

INTRODUCCIÓN A LA PROGRAMACIÓN CON R TIDYVERSE

Taller en línea

📍 Remoto

2021

VISUALIZACIÓN DE DATOS

Taller en línea

📍 Remoto

2019

MANIPULACION DE DATOS

Museo De Historia Natural

📍 Cusco, Peru

2019

UNA INTRODUCCION A LA VISUALIZACION DE DATOS

Museo De Historia Natural

📍 Cusco, Peru



PRESENTACIONES

2021

ASSESSING LONG-TERM SHIFTS IN FUNCTIONAL COMPOSITION AND IMPACTS ON CARBON AND WATER CYCLING IN THE SOUTHERN ROCKY MOUNTAINS

AGU Fall Meeting 2021

📍 New Orleans, LA
Remoto

· Julia Chacon-Labela, Cesar Hinojo Hinojo, **Paul Efren Santos**, Lindsay Backhaus, Sandra Milena Duran, Lorah Seltzer, Alex Brummer, Amanda Henderson, Charles F. Rick Williams, Nicola Falco, Haruko M Wainwright, Eoin Brodie, Susan S. Hubbard, Kenneth Hurst Williams, Vigdis Vandvik and Brian Joseph Enquist

2020

INTRODUCCIÓN A LA ECOLOGÍA BASADA EN RASGOS FUNCIONALES

ZOE Asociación para la Investigación y Conservación

📍 Remoto

2020

INTRODUCTION TO TIDYVERSE

Plant Functional Trait Course - PFCT5

📍 Cusco, Peru

2020

ASSESSING HOW LONG-TERM SHIFTS IN SPECIES AND FUNCTIONAL COMPOSITION HAVE IMPACTED CARBON AND WATER CYCLING THE SOUTHERN ROCKY MOUNTAINS

AGU Fall Meeting 2020

📍 Remoto

· Julia Chacon-Labela, Connor Wilson, Lindsay Backhaus, **Paul Efren Santos - Andrade**, Sandra Milena Duran, Alex Brummer, Amanda Henderson, Lorah Seltzer, Nicola Falco, Haruko M. Wainwright, Eoin Brodie, Charles F. Williams, Susan S. Hubbard, Vigdis Vandvik, Brian Joseph Enquist, Kenneth Hurst Williams

2020

ASSESSING THE SENSITIVITY OF EVAPOTRANSPIRATION TO SHIFTS IN PLANT TRAITS, CHANGING CLIMATE, AND EARLIER SNOWMELT: LONG-TERM OBSERVATIONS FROM A 1,000M ELEVATION GRADIENT IN THE EAST RIVER WATERSHED, COLORADO, USA

AGU Fall Meeting 2020

📍 Remoto

· Brian J. Enquist, Julia Chacon-Labela, Alex Brummer, Sandra Milena Duran, **Paul Efren Santos-Andrade**, Nicola Falco, Amanda Henderson, Haruko Murakami Wainwright, Vigdis Vandvik, Eoin Brodie, Susan S Hubbard, Kenneth Hurst Williams



PUBLICACIONES

2022

TROPICAL TREE MORTALITY HAS INCREASED WITH RISING ATMOSPHERIC WATER STRESS

Nature

· Bauman, David; Fortunel, Claire; Delhayé, Guillaume; Malhi, Yadvinder; Cernusak, Lucas A.; Bentley, Lisa Patrick; Rifai, Sami W.; Aguirre-Gutiérrez, Jesús; Menor, Imma Oliveras; Phillips, Oliver L.; McNellis, Brandon E.; Bradford, Matt; Laurance, Susan G. W.; Hutchinson, Michael F.; Dempsey, Raymond; **Santos-Andrade, Paul E.**; Ninantay-Rivera, Hugo R.; Chambi Paucar, Jimmy R.; McMahon, Sean M.

2021

TROPICAL TREE GROWTH SENSITIVITY TO CLIMATE IS DRIVEN BY SPECIES INTRINSIC GROWTH RATE AND LEAF TRAITS

Global Change Biology

· Bauman, D., Fortunel, C., Cernusak, L. A., Bentley, L. P., McMahon, S. M., Rifai, S. W., Aguirre-Gutiérrez, J., Oliveras, I., Bradford, M., Laurance, S. G. W., Delhayé, G., Hutchinson, M. F., Dempsey, R., McNellis, B. E., **Santos-Andrade, P. E.**, Ninantay-Rivera, H. R., Chambi Paucar, J. R., Phillips, O. L., & Malhi, Y.

2021

REDUCED TREE DENSITY AND BASAL AREA IN ANDEAN FORESTS ARE ASSOCIATED WITH BAMBOO DOMINANCE

Forest Ecology and Management

· Belén Fadrique, **Paul Santos-Andrade**, William Farfan-Rios, Norma Salinas, Miles Silman, Kenneth J. Feeley

2018

TROPICAL FOREST LEAVES MAY DARKEN IN RESPONSE TO CLIMATE CHANGE

Nature Ecology & Evolution

· Christopher E. Doughty, **Paul Efrén Santos-Andrade**, Alexander Shenkin, Gregory R. Goldsmith, Lisa P. Bentley, Benjamin Blonder, Sandra Díaz, Norma Salinas, Brian J. Enquist, Roberta E. Martin, Gregory P. Asner, Yadvinder Malhi

2017

CAN LEAF SPECTROSCOPY PREDICT LEAF AND FOREST TRAITS ALONG A PERUVIAN TROPICAL FOREST ELEVATION GRADIENT?

Journal of Geophysical Research: Biogeosciences

· Doughty C.E., **Santos Andrade P.E.**, Goldsmith G.R., Blonder B., Shenkin A., Bentley L.P., Chavana Bryant C., Huaraca Huasco W., Díaz S., Salinas N., Enquist B.J., Martin R., Asner G.P., Malhi Y.



POSTERS

2021

EVALUATING THE EFFECT OF SAMPLING SCALE TO QUANTIFY DIFFERENT COMPONENTS OF PLANT BIODIVERSITY WITH IMAGING SPECTROSCOPY.

AGU Fall Meeting 2021

📍 New Orleans, LA
Remoto

· Sandra M Duran, Nicola Falco, **Paul Efren**, Jesus N Pinto Ledezma, Haruko M Wainwright, Heidi Steltzer, Eoin Brodie, Brian Joseph Enquist and Jeannine Cavender-Bares.

2021

HYPERSPECTRAL DERIVED TRAITS AND VEGETATION INDICES PREDICT RATES OF ABOVE- AND BELOW-GROUND CARBON FLUXES IN ALPINE MEADOWS

AGU Fall Meeting 2021

📍 New Orleans, LA
Remoto

· Sandra M Duran, Nicola Falco, Sergio Marconi, **Paul Efren**, Amanda Henderson, Haruko M Wainwright, Heidi Steltzer, Eoin Brodie, Scott R Saleska and Brian Joseph Enquist.