

# Jesús Jiménez López

## Curriculum Vitae

### PERSONAL INFORMATION

**MSc. Jesús Jiménez López**

**Nationality:** Spain

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### EDUCATION

**2002 Bachelor in Biology** University of Seville, Spain

**2003 Teaching certificate** University of Seville, Spain

**2007 Master in Geographical Information Systems (GIS): Environmnet and Land Management**  
University of Seville, Spain

**2008 Remote Sensing Specialist** National University of Distance Education (UNED), Spain

**2011 University Expert in Assesment of the Quality of Geographical Information** University of Jaen, Spain

**2017 University Expert in Remotely Piloted Aerial Systems (RPAS) and Civil Applications**  
University of Cadiz, Spain

**2018 iGEON Master of Science (ongoing)** University of Lund, Sweden

### FURTHER TRAINING

#### *GIS & Remote Sensing*

**2017 Earth Observation From Space: The Optical View** European Space Agency (ESA)

**2017 Monitoring the Ocean From Space** European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)

**2014 Remote Sensing, Photogrametry, Lidar and Land Use** National Geographic Institute, Spain

**2014 Image processing software for Remote Sensing** National Commission on Space Activities (CONAE), Argentina

**2013 Advance Thematic Cartography with GIS Tools** National Geographic Institute, Spain

**2009 Spatial Data Infraestructure** National Geographic Institute, Spain

#### *Biodiversity & Ecology*

**2017 Tropical Coastal Ecosystems** University of Queensland, Australia

**2017 Biodiversity and Global Change: Science & Action** University of Zurich, Switzerland

**2017 Introduction to Natural Capital Approach with Ecosystem Services and Applications**  
Stanford Online, USA

**2014 Animate: Animal Movement and Remote Sensing for Conservation** Smithsonian-Mason School of Conservation, USA

**2007 Management of protected natural areas** Andalusian businessman confederation, Spain

**2004 Field techniques: Practical course of ornithology and animal tracks** University of Seville, Spain

#### *Statistics*

**2017 Data Science (R & Python)** Datacamp

**2017 Learn to code for Data Analysis** The Open University

**2014 Introduction to data analysis with R** Spanish Association of Climatology, Spain

#### *Information Technologies*

**2015 Network Monitoring and Management** EsLaRed Foundation - WALC 2015, Costa Rica

**2011 Spatial Databases: PostGIS** Polytechnic University of Valencia, Spain

### **WORK EXPERIENCE**

**2018 RPAS Remote Sensing and GIS Researcher** MARE - Marine and Environmental Sciences Centre (Madeira, Portugal).

**2017 Remotely Piloted Aircraft System Consultant** Technical University of Loja (Loja, Ecuador). Generation and processing of Dry Scrub RPAS Multi-Spectral Imagery. Calculation of Vegetation Indices and Analysis.

**2012 - 2016 Geographic Information System Researcher** Charles Darwin Foundation (Galapagos Islands - Ecuador). Coordination of the GIS Area at the Charles Darwin Research Station (CDRS).

**2009 - 2011 Geographic Information System Technician** Hi-Tec. Blueline Consultoría y Formación (Seville- Spain). Formation and implementation of GIS Geobase in the Registries of Western Andalusia.

**2008 Geographic Information System Analyst** Cibernos / Telvent (Almeria - Spain). Bajo Andarax Commonwealth of Municipalities GIS Implementation.

**2007 Geographic Information System and Remote Sensing Technician** Department of Information Systems. EGMASA (Seville - Spain). Digital processing and exploitation of multitemporal series of satellite images (Modis, Landsat).

### **PUBLICATIONS**

**Jiménez, J.**, 2017. RPAS contribution on research and conservation in protected areas: present and future“. Postgraduate thesis. University of Cadiz.

Parra M, **J Jiménez** and V Toral. 2015. Evaluation of the incidence of boats impacting green turtles (*Chelonia mydas*) along the southern coast of Isabela, Galapagos. Pp.95-102. In: Galapagos Report 2013-2014. GNPD, GCREG, CDF and GC. Puerto Ayora, Galapagos, Ecuador.

Acuña-Marrero D, **Jiménez J** , Smith F, Doherty PF Jr, Hearn A, Green JR, et al. (2014) Whale Shark (*Rhincodon typus*) seasonal presence, residence time and habitat use at Darwin Island, Galapagos Marine Reserve. PLoS ONE 9(12): e115946. <https://doi.org/10.1371/journal.pone.0115946>

**Jiménez, J.**, 2010. Comparative study of sampling procedures in the quality control of digital classification of satellite images. Postgraduate thesis. University of Jaen.

**Jiménez, J.**, 2007. Remote Sensing for Environmental Applications. Postgraduate thesis. University of Seville.

## **PARTICIPATION IN CONGRESSES, WORKSHOPS, SEMINARS**

**2018 The use of UAS Techniques for Environmental Monitoring: state of the art and challenges** Polytechnic University of Valencia

**2017 Mountains, Climate and Biodiversity: The Andean-Amazonian System** Dra. Carina Hoorn, Loja Tecnica University

**2017 Conservation and development strategies in the Podocarpus-El Cónдор biosphere reserve** Ministry of Environment, Loja Tecnica University, National University of Loja

**2015 Google tools for geographic information** Google Earth Outreach

**2014 Towards a Spatial Data Infrastructure for the Charles Darwin Research Station** Charles Darwin Foundation

**2008 Environmental Applications of Laser Remote Sensing (LIDAR)** Center for studies and experimentation of public works (CEDEX)

**2007 GIS Services with 3D Information** Esri Spain Geosistemas S.A.

**2007 Distributed Information Systems in Corporate Environments** Esri Spain Geosistemas S.A.

**2007 Capture information from LIDAR Images and Data** Esri Spain Geosistemas S.A.

## **PROFESSIONAL GRANTS**

**2007 Itsmo94. Department of Environment.** Seville, Spain

**2006 Loughs Agency** Derry, Northern Ireland

## **ASSOCIATED PROJECTS**

**2018 Tackling Marine Litter** CleanAtlantic Project

**2016 Knowledge Management: Datazone and Geoportal** Charles Darwin Foundation

**2015 Spatial Data Infrastructure** Charles Darwin Foundation

**2015 Galapagos Green 2050** Charles Darwin Foundation

**2015 Catalogue of terrestrial gastropods from Galápagos** Charles Darwin Foundation

**2015 Galapagos National Park Zoning Process** Galapagos National Park

**2014 Whale shark monitoring program (Rhincodon typus)** Charles Darwin Foundation

**2014 Galapagos 360 Google Street View** Charles Darwin Foundation and Google

**2013 Marine turtle monitoring program (Chelonia midas).** Charles Darwin Foundation, Galapagos National Park and WWF

**2012 Ecotourism in Galapagos.** Charles Darwin Foundation and WWF

## **COMPUTER SKILLS**

**GIS & RS:** ArcGIS, QGIS, GRASS, gvSIG, ERDAS, Envy, R Spatial, SAGA, Pix4D, Agisoft PhotoScan, Drones

**Statistics:** R, Python, RStudio

**Databases:** SQL, PostgreSQL, PostGIS, MySQL

**Programming and Web Design:** Python, Django, LaTeX, RMarkdown

**Design:** Inkscape, GIMP

**OS & IT:** Linux, Windows, Mac OS X, VPS, Raspberry Pi, Vagrant, Open Source Software

## **LANGUAGES**

**Native Spanish**

**English** ETS TOEFL IBT® 94 / 120

**Portugues**

## **OTHER SKILLS**

**Driving License**

**PADI Rescue Diver**

**Approved Drone Operator** AESA (Spanish Federal Aviation Administration)