

Curriculum Vitae - Alvaro NAVARRO

Remote sensing and geomatics expert at
SalvaTerra SAS www.salvaterra.fr

21 years of professional experience



Name :	NAVARRO	First names :	Alvaro
Date of birth :	23/07/1974	Marital status :	Concubinage, 2 children
Nationality :	Spanish	Email :	alvaronaz@yahoo.es
Phone :	+00330665279632	Skype :	alvaronaz

Diplomas :

<i>Institutions</i>	<i>Dates</i>	<i>Diplomas obtained</i>
University of Paris 1-Panthéon-Sorbonne. France	2014-2015	Master 2 in Geomatics and Remote Sensing applied to the Environment
Polytechnic University of Valencia, Spain.	1998-1999	DESS in Regional Planning and the Environment
University of Las Palmas de Gran Canaria, Spain	1994-1998	Master's degree in Geography

Language level (1 - excellent; 5 - basic) :

<i>Languages</i>	<i>Lu</i>	<i>Spoken</i>	<i>Written</i>
French	1	1	1
English	1	4	3
Spanish	1	1	1

Computer skills : : GIS / BBDD: Qgis, ArcGIS, FME, Postgres and Postgis, Image processing: SNAP ENVI, Google Earth Engine. Office automation: Microsoft Word, Power Point, Excel

Main qualifications :

- Over 20 years of international experience in management and technical assistance in territorial management, natural resource management and sustainable development projects. Over 10 years' specific experience in the use of remote sensing, geomatics and cartographic production for spatial analysis and monitoring of natural and agricultural systems. Use of optical and radar imagery. Advanced use of Geographic Information Systems (GIS), computer-aided design (CAD) and GPS data. Land use mapping, deforestation monitoring and detection, agricultural zoning, multitemporal analysis of spectral indices.

Specific experience :

<i>Country</i>	<i>Dates</i>
France	November 2015- currently
Dominican Republic	January -March 2022
Democratic Republic of Congo	March-September 2015
Paraguay	June 2008 -October 2014
Tunisia	January 2006 - May 2008
Nicaragua	June 2004- December 2005
Spain	January 2001- April 2004

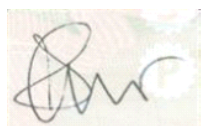
Professional experience :

<i>Dates</i>	<i>Location</i>	<i>Position and reference</i>	<i>Description</i>
01/02/23	France Senegal	Expert technical assistant in remote sensing and spatial analysis Olivier Bouyer o.bouyer@salvaterra.fr	Mapping of mangroves using Landsat 5/ and 7 satellite images for analysis of land-use changes in the Marine Protected Areas Project. Feasibility analysis of different financing options for mangrove restoration in Senegal based on carbon finance.
01/10/2021 31/01/2022	France Dominican Republic	Expert technical assistant in remote sensing and spatial analysis Bruno Jacquet bruno.jacquet@iadb.org	Technical assistance for the elaboration of the Deforestation Monitoring System in the Agroforestry Development Project DR-L1120, of the Ministry of Environment of the Dominican Republic. Development and implementation of a semi-annual deforestation detection system using Planet and Sentinel-2 satellite images. Development of a JavaScript script for obtaining cloud-free images and spectral indices. Development of a detection system based on comparison of NDVI time series. Funded by the Inter-American Development Bank IDB.
06/06/2021 31/03/2021	France	GIS Technician Timothée Royer timothee.royer@ign.fr	GIS technician for the analysis and updating of the graphical parcel register in mainland France as part of the EU's Common Agricultural Policy (CAP). Application of EU technical specifications for the identification of agricultural typologies present in the CAP declaration. Realignment of declared islets, parcels and surfaces using various GIS tools. Institut national de l'information géographique et forestière (IGN) France. Direction des opérations et des territoires Service vecteur et 3D (SV3D).
30/01/2020- 20/12/2020	France Madagascar	Expert technical assistant in remote sensing and spatial analysis Anis Chakib a.chakib@salvaterra.fr	Technical assistance in the study of the "Production potential of agricultural sectors in the Fort-Dauphin area. Madagascar", part of the World Bank's "Pôles intégrés de croissance et corridors" PIC2 project. Participation in the report for the diagnosis of the lychee and clove sectors. Preparation of data collection methodology for field survey and data analysis. Identification and characterization of production typologies and zones. Mapping of production zones using GIS data and satellite images. SalvaTerra / GeoSystèmes and Ministère de l'Agriculture, de l'Elevage et de la Pêche Madagascar. Financed by the World Bank.
20/10/2019 24/06/2020	France Madagascar	Expert technical assistant in remote sensing and spatial analysis. Johan Pasquet j.pasquet@salvaterra.fr	Technical assistance in monitoring-evaluation and territorial analysis. Projet d'Agriculture Durable par une Approche Paysage (PADAP) in the Izaña region, Madagascar. Territorial study and analysis: characterization and identification of land use typologies and production zones. Analysis of agricultural suitability. Participation in the elaboration of a regional socio-economic development strategy. Proposal for prioritization of intervention zones. Updating of the land use map by remote sensing using Sentinel2 multi-spectral images - Development of an inter-institutional information and monitoring-evaluation system: implementation of a system of socio-economic and impact indicators. Database management, spatial analysis and cartographic representation of the project. SalvaTerra. Financed by the World Bank.
20/11/2017- 08/01/2019	France	Technical assistance Enrico Caccamo enrico.caccamo@asp-public.fr	Technical assistance for the production and quality control of geographic information and satellite imagery. Production, management and quality control of geographic information for monitoring the Common Agricultural Policy (CAP) in France. Map production and quality control of high-resolution satellite data. Validation of images for checking farm declarations. Use of EU and JRC technical specifications. Coordination with ASP regional offices. Database management. GNSS field surveys for quality control of aerial image geometry. Controls Department, Surface and Animal Controls Department of the Agence de Services et de Paiement (ASP).

05/01/2016- 28/03/2016	France Ivory Coast	Expert technical assistant in remote sensing and spatial analysis Olivier Bouyer o.bouyer@salvaterra.fr	Technical assistance in territorial analysis and monitoring-evaluation in the Study for the promotion of agricultural supply chains 0 deforestation. Control of agricultural pressure on natural forests in Côte d'Ivoire. Mapping of land uses in the Bianouan region, through supervised classification of SPOT6, PLEAIDES and Sentinel-2 images. Identification of agricultural crops. Characterization and identification of land use typologies, production zones and agricultural suitability. Temporal analysis of land cover as an indicator of the impact of agricultural systems. Development and management of databases and spatial analyses. Validation of mapping accuracy. Funded by the European Commission.
01/03/2015- 30/08/2015	France RDC	Expert technical assistant in remote sensing and spatial analysis Olivier Bouyer o.bouyer@salvaterra.fr	Technical assistance in territorial analysis and remote sensing in the project "Appui à la création du groupement d'intérêt coopératif et économique du terroir téké". Elaboration of "l'analyse de l'évolution de l'utilisation des terres dans la région du Sud Kwamouth, RD Congo". Analysis of the evolution of forests and agricultural systems in savannah zones. GPS data collection and identification of bio-indicators and economic variables for the analysis of agricultural potential. Identification of agricultural land potential, carbon stock and analysis of the evolution of natural systems, using remote sensing and spatial analysis. Supervised classification of satellite images. Funded by the European Commission EFI, in collaboration with JRC Ispra.
02/01/2012- 31/12/2014	Paraguay	Socio-environmental expert Pedro Mancuello Senatur.BID@senatur.py	Socio-environmental expert for the "National Tourism Program in Paraguay". Responsible for sustainable development actions, valorization of natural and cultural heritage. Coordination of public players and a participatory approach with civil society. Development and implementation of an information system. Coordination with regional and local institutions. Consultation with indigenous peoples. Participation in drawing up and monitoring public contracts. Ministry of Tourism in Paraguay. Financed by the Inter-American Development Bank IDB.
13/05/2008- 31/06/2012	Paraguay	Project Manager Juan Enrique Garcia juanengarcia@gmail.com	Director of the Project "Araucaria XXI for Sustainable Development in the Atlantic Forest Region of the Upper Paraná River, Paraguay", an integral development intervention in support of the Secretariat of the Environment, the Technical Secretariat of Planning and the National Secretariat of Tourism. Capacity building for public administrations, natural resource management and climate change, local economic development. Elaboration of results-oriented operational project planning, financial and technical monitoring, elaboration of public tenders, human resources management, elaboration of monitoring reports, communication and institutional relations.
01/04/2007- 01/04/2008	Tunisia	Director of Program Alberto Quintana albertoquintana@hotmail.com	Director of the "Environment and Economic Development" Program Responsible for managing and monitoring a portfolio of 6 projects: local government capacity building, economic development, alternative energies and environmental education. Technical, financial and project monitoring and evaluation. Inter-institutional representation. Spanish Agency for International Development Cooperation (AECID). Tunisia
23/02/2006- 31/12/2006	Tunisia	Project coordinator lpade-es@fundacion.es	Coordinator of the project "Sustainable development through the management of non-timber forest products in the Kroumerie-Tunisia region". Management of natural resources and protected areas. Promotion of economic activities aimed at sustainable ecosystem management and biodiversity conservation in the Feidja National Park area. Technical and financial manager of the project. Institut pour la Promotion du Développement (IPADE) in partnership with WWF. Tunisia
04/06/2005- 04/10/2005	Nicaragua	Expert technical assistant for regional planning Dr. Jürg Hammer info@drmonline.net	Technical assistance in land use planning in the project "Analysis and planning of natural risk management in the 30 municipalities of western Nicaragua." Preparation of technical reports, territorial zoning, GIS threat analysis and mapping. World Institute of Disaster Risk Management (DRM). Funded by the World Bank

04/04/2004- 31/08/2004	Nicaragua	Expert technical assistant for regional planning Jairo Paizano japaizano@yahoo.es	Technical assistance in land use planning and management in the "Development of tools for the participative management of land and natural resources" project. Support project for territorial and productive management of a coffee cooperative. Elaboration of a participatory diagnosis for the management of natural resources and agricultural systems. Support for land tenure security, development of a participatory cadastre. GIS analysis and mapping, use of GPS data, community cadastre, spatial analysis. Action contre la Faim, Nicaragua
27/11/2001- 26/05/2002	Spain	Sustainable development technician admon@medioambiente.canarias.com	Technical assistance for Agenda 21, "Management plan for agricultural areas in the province of Las Palmas, Spain". Regional and environmental planning. Auditorias ambientales Canarias. Spain

I, the undersigned, certify that the above information accurately reflects my situation, qualifications and experience, Ville der Sceau, France 08/07/2023.



Alvaro NAVARRO AZAOLA