

PERSONAL INFORMATION

**PABLO ADRIAN MARZIALETTI**



Sex Male | Date of birth 09/07/1971 | Nationality Argentinian / Italian

STUDIES APPLIED FOR

SYSTEMS ANALYST // REMOTE SENSING & GIS CONSULTANT // BUSINESS ANALYST

PERSONAL STATEMENT

REMOTE SENSING & GIS ANALYST PROFESSIONAL, WITH 10 YEARS OF EXPERIENCE AND MORE THAN 15 YEARS IN THE IT SECTOR.  
TECHNICAL SKILLS: ALGORITHM DESIGN, GEOGRAPHIC INFORMATION SYSTEMS MANAGEMENT, SATELLITE IMAGE PROCESSING (OPTICAL AND SAR), AND FULLY AUTOMATED PROCESSING CHAINS FOR PRODUCT DISSEMINATION ACCORDING OGC-INSPIRE STANDARDS.

## WORK EXPERIENCE

since Mar-22

**Remote Sensing & GIS Analyst**

Scuola di Ingegneria Aerospaziale (SIA) - Sapienza Università di Roma

- Research, Algorithm design, Remote Sensing & GIS Management,
- Implementation of automation processing chain of satellite imagery devoted to crop monitoring (Image Processing, Vegetation & Soil indices Feature Extraction),
- Automatic product ingestion & publishing according to OGC INSPIRE standards.
- Geospatial analysis
- GeoDatabase Management
- Capacity Building

**Business or sector** Earth Observation - Educational – Research

from May-21 to Jan-22

**Remote Sensing & GIS Analyst**

Joint Research Centre (Ispra) – European Commission (SEIDOR)

- Research,
- Algorithm design,
- Remote Sensing & GIS Analysis.

**Business or sector** Researchsince Aug-17  
(part-time)**Project Manager**

Silex Clouds SRL

- Research, Algorithm design, Remote Sensing & GIS Analysis.
- Project management
- Business plan development
- Consultancy

**Business or sector** Earth Observation, Agriculture, Climate Change, Energy

from Apr-16 to Apr-21

**Remote Sensing & GIS Analyst**

Scuola di Ingegneria Aerospaziale (SIA) - Sapienza Università di Roma

- Research, Algorithm design, Remote Sensing & GIS Management, LAI-2200 measurement campaigns, Drone missions.
- Image Quality Analysis, for Copernicus data Quality Control - Operational Scenarios (Image analysis: PlanetScope, Rapideye, Spot, Worldview, Geoeye, Deimos, DMC, Pleiades): Metadata Check, Cloud analysis, Dynamic range, Radiometric equalization, Missing data, Band to band registration, Geometric distortions, and Planimetric shifts .
- Digitizing and editing digital cartography in GIS environment. Thematic Maps development.
- Implementation of automatic processing chain of satellite imagery (EUMETSAT [HRIT, RSS, IODC and Himawari-8] & MODIS) devoted to Real Time & Near Real Time environmental monitoring (Dust Storm Monitoring and Real Time Impact Assessment).
- Preprocessing and processing of Optical and SAR images (Intensity and Polarimetry analysis).
- Developing of algorithms oriented to Feature Extraction (FX) processing and classification from satellite imagery (Mathematical Morphology FX, Object Characterization (texture, spatial, spectral and context data analysis), Neural Network classification).
- Implementation of automation processing chain of satellite imagery devoted to crop monitoring (Image Processing, Vegetation & Soil indices Feature Extraction),
- Developing of FX algorithms (Matlab, IDL, Python) and automatic product ingestion & publishing according Web Map Services standards (developments inside GeoServer, GeoBatch & GeoNetwork environments according to OGC INSPIRE standards).
- Geospatial analysis and python scripting using ArcGIS, GDAL and QGIS libraries.

**Business or sector** Earth Observation - Educational – Research

from Jan-12 to Mar-16

### Remote Sensing & GIS Analyst

Dipartimento di Ingegneria Astronautica, Elettrica ed Energetica (DIAEE) - Sapienza Università di Roma

- Research, Algorithm design, Remote Sensing & GIS Management, LAI-2200 measurement campaigns.
- Digitizing and editing digital cartography in GIS environment (ArcGis, Data Interoperability, Network Analyst, Geostatistical Analyst, Spatial Analyst and 3D Analyst). Thematic Maps development.
- Preprocessing and processing of SAR images (Terrasar and Cosmo-Skymed constellation (X band), ERS, Envisat & Radarsat (C band) and Alos (L band)) for Intensity and Polarimetry analysis (experience with Matlab, IDL, Envi, Nest, Sarscape, Erdas, PolSarPro, ASF-MapReady), and Optical images (Landsat, Modis, Proba-Chris, Geoeye, Ikonos, among others).
- Developing of algorithms oriented to Feature Extraction (FX) processing and classification from satellite imagery (Mathematical Morphology FX, Object Characterization (texture, spatial, spectral and context data analysis), Neural Network & Virtual Machine classification).
- Vessel detection and monitoring from SAR imagery inside Geographic Information Systems environment (4th ALOS Research Announcement. Japan Aerospace

**Business or sector** Educational – Research

from Jan-11 to Dec-11  
from Feb-10 to Jul-10

### Remote Sensing & GIS Analyst

Centro di Ricerca Progetto San Marco – Rome

- Research, Algorithm design, Remote Sensing & GIS Management
- Digitizing and editing digital cartography in GIS environment (ArcGis, Data Interoperability, Network Analyst, Geostatistical Analyst, Spatial Analyst and 3D Analyst). Thematic Maps development
- Quality analysis of forest fires detection results (Modis Hot Spots, SFIDE Hot Spots, Corpo Forestale dello Stato (Italy) and Centro Operativo Aereo Unificato (Italy) field data, Spatial and statistical analysis inside GIS environment (Arcgis).
- Developing of algorithms oriented to Feature Extraction (FX) processing and classification from satellite imagery (Mathematical Morphology FX, Object Characterization (texture, spatial, spectral and context data analysis), Neural Network & Virtual Machine classification).
- Optical imagery analysis (Proba-Chris, Landsat and Modis), SAR imagery processing (Radarsat and Cosmo-Skymed imagery), Feature Extraction and Object characteristic analysis for Oil Spill monitoring in Maracaibo Lake (Venezuela).

**Business or sector** Aerospace, Research.

from Aug-09 to Ago-11

### Fellowship holder MSc. Space Applications of Early Warning and Response to Emergencies

CoNAE (National Space Activities Commission - Argentina)

- SAR and Optical Image processing. GIS analysis, and Map production.
- Digitizing and editing digital cartography in GIS environment (QGis, ArcGis, GVSig). Thematic Maps development.
- Participation in Disasters Charter Call ID #347 Project (Colombian Floods/Landslide Monitoring) – **International Charter Space and Major Disasters.**

**Business or sector** Aerospace, Research.

from Apr-09 to Jun-09

### Remote Sensing & GIS Analyst

Secretary of Environment and Sustainable Development – Buenos Aires – Argentina.

- GIS Technician, consultant, operator
- Thematic Maps development and Spatial Database design
- Digitizing and editing digital cartography in GIS environment (ArcGis, Data Interoperability, Network Analyst, Spatial and Geostatistical Analyst).

**Business or sector** Governmental

from Mar-08 to Nov-08

**GIS Technician**

Universidad Tecnológica Nacional – Argentina

- Technician, consultant
- Developing Spatial Data Infrastructure for the SouthEast of Buenos Aires province - Argentina. Thematics Maps (open source technologies)
- Digitizing and editing digital cartography in GIS environment (Spring, ArcView)

**Business or sector** Educational

from Feb-01 to Dec-07

**Consultant, IT Technician**

Freelance

- Network maintenance,
- Server/computers maintenance
- Routers configuration

**Business or sector** Computer Science

from Aug-00 to Jan-01

**Consultant, IT Technician**

SofNet consulting – Madrid - Spain

- Support and configuration of CISCO router equipment.

**Business or sector** Computer Science

from Jul-96 to Mar-00

**IT Systems Analyst, Network Technician**

La Plata Cereal S.A. – Ciudad de Buenos Aires - Buenos Aires - Argentina

- IT Systems Analyst, Computer and Network Technician
- Support for system maintenance as System Analyst, Help-desk,
- Technical support for 20 subsidiaries. LAN and WAN Networks Support.

**Business or sector** Agricultural market

from Mar-94 to Jul-96

**Administrative, IT Systems Analyst**

La Plata Cereal S.A. - Bahía Blanca - Buenos Aires - Argentina

- Administrative
- IT Systems Analyst
- Software development (Fox, Visual Basic)

**Business or sector** Agricultural market

from Dic-89 to dic-93

**Administrative, IT Systems Analyst**

Granja del Sol – Cargill - Bahía Blanca - Buenos Aires - Argentina

- Administrative
- IT Technician
- Software development (Cobol, Pascal)

**Business or sector** Food Sector

## EDUCATION AND TRAINING

From Jul-22 to Oct-22

**Postgraduate Diploma in Agri Analytics**

Austral University (Argentina)

- Data Warehousing,
- Big Data & Machine Learning,
- Geo Analytics
- Business Intelligence

from Oct-17 to Oct-20

**PhD in Energy and Environment**

University of Rome "La Sapienza" – Department of Astronautical, Electrical and Energy Engineering (Italy)

- Remote Sensing, Machine Learning, Neural Networks, GIS, Panoramic Epidemiology
- Final Grade Thesis subject about "Tree Pest Monitoring: Assessment of Remote Sensing technologies towards a worldwide perspective"

from Aug-09 to Oct-11

**MSc. in Space Applications of Early Warning and Response to Emergencies**

CoNAE / Gulich Institute (National Space Activities Commission. Argentina) – ASI (Italian Space Agency) – (Argentina / Italy)

- Environmental Impact evaluations with Remote Sensing & Geographic Information Systems (ArcGIS, GVSig, ENVI, IDL, ERDAS Imagine)
  - Management of Geographic Information Systems Projects (Project, ArcGIS)
  - Statistics (SPSS, R-Project)
  - Environmental emergencies and satellite image acquisition planning (SAVOIR)
  - Numerical Models and Early Warning Simulations (IDL, Matlab, R-Project)
- Final Grade Thesis subject about "Oil Spill Detection with GIS & Remote Sensing Technologies" (thesis supervisors: Laura Frulla (PI **SAOCOM** Project - CoNAE), Gabriel Platzeck (**INVAP**), Silvia Ojeda (FaMAF-UNC))

From Nov-07 to May-09

**MSc. in Geographic Information Systems Management**

University of Girona (Spain)

- Spatial data: acquisition, entry and quality control (SPRING GIS, PostgreSQL/PostGIS)
- Organizations and Geographic Information Systems (SPRING GIS, Geomedia Pro)
- Environmental Impact evaluations and Geographic Information Systems (GVSig).
- Geographic Information Systems. Project Management

Final Grade Thesis subject about "GIS, landuses evaluation & optimization in the Buenos Aires province, south-west region". System developed with ESRI Map Objects library, Visual Basic, with Solver package as the optimization tool taking into account a group of Agricultural Projects variables

from Nov-06 to Aug-07

**Postgraduate in Geographic Information Systems and Remote Sensing**

University of Girona (Spain)

- Introduction to fundamental concepts and operations (GVSIG)
- Spatial analysis operations (SPRING GIS)
- Spatial Databases: models and structures (PostgreSQL/Postgis)
- Remote Sensing and Geographic Information Systems (ENVI, Geomedia Pro)

from Jul-03 to Aug-07

**Regional Economies Development**

National Technological University (Argentina)

- Logistic, Strategic Administration,
- IT System analysis,
- Human resources,
- Projects formulation and evaluation,
- Regional Economies Management & Foreign Trade.

Final Grade Thesis subject about economic and technical evaluation for almond crops potential development in Buenos Aires province south region, where GIS Technologies were introduced to locate the best lands plots according to their ground properties, river neighborhood, etc.". GIS analysis developed with SPRING GIS

from Feb-92 to Dic-96

**Systems Analyst in Computer Management**

Instituto Superior Juan XXIII (Argentina)

- Computer science,
- Statistics,
- Programming,
- Mathematics

From Jan-84 to Dec-90

**Computer Technician**

National School of Technical Education (Argentina)

- Computer science,
- Statistics,
- Programming,
- Mathematics

PERSONAL SKILLS

Mother tongue(s) Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Italian	C1	C1	C1	B2	B2
French	A1	A2			

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

good communication skills gained through my experience during several international workshops, conferences, and capacity building trainings.

Organisational / managerial skills

- leadership (project management), during Disasters Charter Activations,
- managerial (project management), during MyGEOSS initiative, Silex Clouds SRL)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

ADDITIONAL  
INFORMATION

## Publications

- **Marzioletti P.**, Laneve G., Santilli G., Huang W., Zappacosta D., “Maxent model application for tree pests monitoring”. International Geoscience and Remote Sensing Symposium IGARSS 2019, Yokohama, Japan, 2019.
- **Marzioletti P.**, Fusilli L., Laneve G., Huang W., Liu L., Dong Y., Shi Y., Zheng Q., Ma H., “Tree pests multispectral sensitiveness analysis in Apulia region”. ESA MOST China Dragon Cooperation. 2019 Dragon 4 Symposium. June 2019, Ljubljana, Slovenia.
- M. Majidi Nezhad, D. Groppi, G. Laneve, **P. Marzioletti** and G. Piras. Oil Spill Detection Analyzing “Sentinel 2” Satellite Images: A Persian Gulf Case Study. 3rd World Congress on Civil, Structural, and Environmental Engineering (CSEE’18). Budapest, Hungary – April 8 - 10, 2018. DOI: 10.11159/awspt18.134. ISBN: 978-1-927877-40-1. ISSN 2371-5294.
- M. Majidi Nezhad, D. Groppi, G. Laneve, **P. Marzioletti**, G. Piras. Mapping Sea Water Surface in Persian Gulf, Oil Spill Detection Using Sentinel-1 Images. 4 th World Congress on New Technologies (NewTech’18). Madrid, Spain, August 19-21, 2018. DOI: 10.11159/icepr18.179. ISBN: 978-1-927877-50-0. ISSN 2369-8128.
- S. Abbondanza; A. Ferral; G. Laneve; **P. Marzioletti**; G. Platzcek. Soil Erosion in Sierras Chicas Córdoba: A RUSLE Model Analysis with Remote Sensing Data. 2018 IEEE Biennial Congress of Argentina (ARGENCON 2018). San Miguel de Tucuman, Argentina 6-8 June 2018.
- M. Majidi Nezhad, D. Groppi, **P. Marzioletti**, G. Laneve , F. Cumo and D. Astiaso Garcia. Wind energy potential analysis with sentinel-1 for wind turbine installation: A case study Mediterranean Islands. 13 th SDEWES Conference on Sustainable Development of Energy, Water and Environment Systems. September 30- October 4 in Palermo. Italy.
- **Marzioletti P.**, Laneve G., “Automated Dust Monitoring Web Map Service and Impact Assessment Based on Meteosat Second Generation Images”. 8th International Workshop on Sand/Duststorms and Associated Dustfall. Lisbon. PORTUGAL. 2016.
- **Marzioletti P.**, Laneve G., “Oil Spill monitoring on water surfaces by radar L, C and X band SAR imagery: A comparison of relevant characteristics”. IGARSS 2016. July 10-15, 2016 \* Beijing, China.
- **Marzioletti P.**, Fusilli L., Laneve G., “Earth Observation Datasets for Dust Impact Assessment”. AARSE 2016. Kampala. UGANDA.
- **Marzioletti P.**, Laneve G., “L band Oil Spill characteristics extraction and analysis: potentialities and limitations”. 1st PI Workshop for ALOS-2 Science Program in Tsukuba, Ibaraki, JAPAN. 2013.
- Santilli G., **Marzioletti P.**, Laneve G., “A Novel Sinergy Between Remote Sensing and GIS for Oil Spill Detection on Satellite Imagery”. 34th International Symposium on Remote Sensing of Environment ISRSE. Sydney, Australia 2011.
- Mari N., Laneve G., Cadau E., **Marzioletti P.**, “Fire damage assessment in Sardinia: the use of ALOS/PALSAR data for the management post fire affects”. Geophysical Research Abstracts. Vol. 13, EGU2011-13931, 2011. EGU General Assembly 2011.
- Fusilli L., **Marzioletti P.**, Laneve G., Santilli G., “Urban growth Monitoring with SAR and night lights images”. 1st IAA-CRPSM International Workshop on "Remote Sensing of the Environment for the Sub Saharian regions" - ReSESS 2011. KENYA, Nairobi 2011.
- Miño M., **Marzioletti P.**, 2012. “Experiencia en Teledetección y Sistemas de Información Geográfica. Caso de aplicación: Inundaciones en Colombia del 6 de diciembre de 2010”. En Herrero A. C. (Dir.). Libro de Trabajos en Extenso Primer Congreso Latinoamericano de Ecología Urbana: desafíos y escenarios de desarrollo para las ciudades Latinoamericanas (pp. 1299-1306). Recurso Electrónico. ISBN 978-987-28177-1-8. UNGS.
- Laneve G., **Marzioletti P.**, De Bonis R., Fortunato G., Fusilli L., “Polarimetric analysis of burned forest areas: The Muravera case”. 1st PI Workshop for ALOS-2 Science Program in Tsukuba, Ibaraki, JAPAN. 2013.
- Fusilli L., Laneve G., **Marzioletti P.**, Palombo A., Pascucci S., Pignatti S., Santini F. “Multi-temporal SAR and Optical data integrated approach for weed infested inland waters”. IGARSS. July 2012.
- **Marzioletti P.** “Monitoreo de derrames de hidrocarburos en cuerpos de agua mediante técnicas de sensado remoto”. MSc Thesis, Instituto de Altos Estudios Espaciales “Mario Gulich”, CoNAE, Argentina. December 2012.
- Laneve G., **Marzioletti P.**, De Bonis R., Bakouros Y., Gomez R., Duché Y., Grisolia M.R., ODS3F project: define criteria for comparing the performances of the optical and thermal fire monitoring cameras, Safe Chania 2015 Conference Book of Abstracts, pp. 28, 10 - 14 June 2015, Crete.
- Anniballe R., Casa R., Laneve G., **Marzioletti P.**, Pierdicca N., Silvestro P., Synergistic Use of Radar and Optical Data for Agricultural Data Products Assimilation: a case Study in Central Italy, IGARSS 2015, 27 - 31 July 2015, Milan. Geoscience and Remote Sensing Symposium (IGARSS), 2015 IEEE International, pp. 3381 - 3384, DOI:10.1109/IGARSS.2015.7326544.
- Laneve G., Fusilli L., **Marzioletti P.**, de Bonis R., Tampellini M., Bernini G., “The PREFER FP7 Project: Damage Severity Maps validation results”. Journal of Selected Topics in Applied Earth Observations and Remote Sensing. IGARSS 2015. Milan., Italy. October 2015.

- **Marzialetti P.**, De Elia E., “Detección y monitoreo de derrame de hidrocarburos en ambiente marino”. CAT2012 “Congreso Argentino de Teledetección 2012”. Córdoba, Argentina, Septiembre 2012.
- Laneve G., Fusilli L., Santilli G., **Marzialetti P.**, “Designing an effective monitoring system based on satellite sensor for the oil spills detection in Lake Maracaibo, Venezuela”. 33rd EARSeL Symposium, Matera, Italy. June 2013.
- Laneve G., de Bonis R., Fusilli L., **Marzialetti P.**, “Sistemi remoti di Individuazione e Monitoraggio degli incendi boschivi”. Ingegneria antincendio, tecnologie dell'informazione e pianificazione dell'emergenza nel sistema integrato di videosorveglianza e telerilevamento degli incendi boschivi nelle regioni Puglia e Calabria. 2013.
- Laneve G., de Bonis R., Fusilli L., **Marzialetti P.**, Santilli G., “Real Time WMS for the detection of Dust Storms based on optical satellite imagery”. 7th International Workshop on Sand/Duststorms and Associated Dustfall. December 2013.
- Laneve G., de Bonis R., **Marzialetti P.**, Bakouros Y., Giourka P., Castellini R., Savazzi R., Grisolia M.R., “The ODS3F project: evaluating and comparing the performances of the ground optical and thermal fire monitoring systems”. VII International Conference on Forest Fire Research. Coimbra, Portugal. November 2014.

#### Prizes

- **European EO Product Award 2018**, by the European Association of Remote Sensing Companies (EARSC), for the development of a Near Real Time Dust Monitoring Service for the MENA region, with products that support the UN SDGs related to Energy (improving the efficiency in the management of the renewable energy infrastructures), Climate Change (identifying changing weather patterns) and Sustainable Cities & Communities (helping to deal with challenges related to cities infrastructures and services).
- **Best Poster Award** - European Space Agency (ESA) - MOST Dragon Cooperation. 2018 DRAGON 4 Mid-Term Results Symposium. Xi'an University of Science and Technology (XUST), China. Section #5: Land - Ecosystems, Smart Cities & Agriculture (Crop Mapping, Retrievals & Methods). Poster title: "Remote Sensing techniques for automated crop counting. An application for orchard monitoring "



Participation in  
Projects

- **EO4CEA:** Implementation of a system for processing, distribution, analysis and testing of products and services based on satellite images, funded by Italian Space Agency (ASI).
- **AgriPoints:** Satellite based agricultural monitoring project, funded by the European Space Agency (ESA)
- **FPCUP:** Development of downstream applications supporting Sectoral Information system under the Copernicus Climate Change. Service - Framework Partnership Agreement on Copernicus User Uptake.
- **SBAM.** Satellite Based Agricultural Monitoring, funded by Italian Space Agency (ASI). This project deals with a Italian-Kenyan initiative aiming at exploiting the combined use of optical and radar satellite data to retrieve bio-physical characteristics of crops.
- **ESA-Dragon-4** initiative: "Assimilating multi-source earth observation satellite data for crop pests and diseases monitoring and forecasting (AMEOS)", focused on developing methods for the assimilation of biophysical variables, estimated from multi-source remote sensing data, into crop growth model, in order to assess drought-induced crop yield losses at regional scale.
- **AfriCultuReS:** aims to design, implement and demonstrate an integrated agricultural monitoring and early warning system that will support decision making in the field of food security.
- **MYGEOSS** Apps for your Environment First Call winner. Application devoted to "Near Real Time Dust Storms monitoring and impact assessment". Independent expert for European research and innovation. European Commission. .
- **PREFER,** Development of products based on satellite information for forest fires management"(ING-IND/05) ([www.prefer-copernicus.eu](http://www.prefer-copernicus.eu)).
- **ODS3F,** "Observation and Detection Systems for Forest Fire Management". European Commission. General Humanitarian Aid and Civil Protection ([www.ods3f.eu](http://www.ods3f.eu)).
- **4th ALOS Research Announcement (RA),** "Assessment of fire damage estimations from ALOS data",. Japan Aerospace Exploration Agency, JAXA.
- **4th ALOS Research Announcement (RA),** "Oil Spill detection with L-Band SAR Images". Japan Aerospace Exploration Agency, JAXA.
- **EFFMIS** (European Forest Fire Monitoring using Information Systems, funded by INTERREG IVC) - [www.ffmpegis.eu](http://www.ffmpegis.eu) (Generalizzazione dell'algoritmo "SFIDE" nell'ambito del progetto EFFMIS).
- **COSMO-SkyMED: AO Research Announcement,** "Exploitation of multi-temporal StripMap acquisitions for weed infested equatorial inland water (Kisumu bay of the Victoria Lake Kenya, Africa) monitoring in synergy with optical EO data"..
- **DDCVE** ("Utilizzo dei sistemi di osservazione satellitari nella individuazione di inquinanti sulla superficie dei corpi d'acqua - DDCVE" funded by PDVSA).
- **International Charter Space and Major Disasters,** Project Manager in Charter Call ID #394 Project (Paraguay Floods Monitoring).
- **International Charter Space and Major Disasters,** participation in Call ID #347 Project (Colombian Floods/Landslide Monitoring)
- **SIGRI** (Sistema Integrato per la Gestione Rischio Incendi, funded by Italian Space Agency - ASI)
- **EOSIAL e-Learning platform** (Earth Observation Satellite Images Application Lab. - Sapienza Università di Roma) e-Learning platform implementation & maintenance.

References

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Courses &  
Certifications

PMP, Project Management Institute - PMI (ongoing certification).  
Advanced Course on Radar Polarimetry. European Space Agency. ESRIN. Frascati. Italy.  
Introduzione al trattamento dei dati radar satellitari con utilizzo di SARscape. ITT-SARscape. Università di Padova. Italy.  
Thematic Cartography – Instituto Geográfico Nacional de España. Spain.  
Spatial Data Infrastructures (IDE) Management. Instituto Geográfico Nacional. España. IGN. Spain.

UAV Certified Pilot. SAPR SKYROBOTICS R-SF6. Sky-Robotics S.p.A. Narni, Italy.  
Unmanned Aircraft System (UAS) Pilot - National Agency for Civil Aviation Italy (ENAC).

Geographic Information Systems management:

Environmental Systems Research Institute (ESRI) Training Seminars and Courses:

- Geoprocessing Using Model Builder,
- HAZUS-MH (Multi-Hazards) for Decision Makers,
- Introduction to ArcGIS Network Analyst,
- Getting Started with Scripting in ArcGIS 9,
- Understanding Spatial Statistics in ArcGIS 9.
- Introduction to ArcGIS 9 Geostatistical Analyst,
- Introduction to ArcGIS Survey Analyst
- Learning ArcGIS Desktop (for ArcGIS 9.0-9.1)
- Working with ArcPad 7
- Learning ArcGIS Spatial Analyst (for ArcGIS Spatial Analyst 9.0-9.1)
- Working with Rasters in ArcGIS Desktop (for ArcGIS 9.0-9.1)
- Migrating from ArcView 3.x to ArcGIS Desktop
- Basics of the Geodatabase Data Model
- Creating and Editing Geodatabase Features with ArcGIS Desktop
- Creating and Editing Geodatabase Topology with ArcGIS Desktop
- Creating and Maintaining Metadata Using ArcGIS Desktop
- Introduction to ArcLogistics Route
- GIS for Humanitarian Mine Action
- ArcGIS Data Interoperability Basics
- Migrating to the ArcGIS for Local Government Information Model
- Mobile GIS: Using the ArcGIS for iOS Application

Experience with:

- GIS-Spring, GIS-GVsig, Quantum-Gis, ERDAS Imagine, Geomedia Professional, ArcGis and Idrisi.
- GeoServer, Mapserver, Openlayers & GeoExplorer
- ENVI, SARscape
- IDL, Matlab

Spatial database: PostgreSQL & PostGIS Spatial Extension

Professional experience related with LAN and WAN Networks administration (Windows NT, Novell), Office products and Visual FoxPro applications development.

“Introduction to GIS” course (ARCVIEW and IDRISI) at the Universidad Nacional del Sur in Bahía Blanca, Argentina.

“Implementation of study lines to determinate land uses”, using ARCVIEW, and GPS Technologies. INTA (Instituto Nacional de Tecnología Agropecuaria).

“Fundamentals of Implementation and operation AS/400” at UBM Buenos Aires.

Assistant: ASI - Workshop “PRIMI: Il monitoraggio dallo spazio dell’inquinamento marino da idrocarburi tra presente e future”.

Assistant: ESA-ESRIN “Sentinel Potential Science Products for Cryosphere, Ocean, Land and Solid Earth Research - Assessment & Consolidation Workshop”

Assistant: ESA-ESRIN “5th International Workshop on Science and Applications of SAR Polarimetry and Polarimetric Interferometry”

e-Learning Project Management. Universidad Tecnológica Nacional, Facultad Buenos Aires.

Moodle Tutorial, Classroom Creation and Courses Management. Universidad Tecnológica Nacional, Facultad Buenos Aires. Argentina

Network Technologies – Universidad Nacional del Sur – Bahía Blanca – Buenos Aires – Argentina.

e-Contracts and Digital Signature – Bolsa de cereales de Bahía Blanca - Bahía Blanca – Buenos Aires – Argentina