

Brief CV Pablo Marzioletti

Remote Sensing & GIS Analyst.

Systems Analyst, with a degree in Regional Economic Development at the National Technological University, a MSc. in Geographic Information Systems Management at Girona University, a MSc. in Space Applications in Early Warning and Response at the Institute for Advanced Space Studies "Mario Gulich" from CoNAE (Argentine Space Agency), and a PhD. in Energy and Environment (Sapienza Università di Roma) (on going).

Main research activities: remote sensing techniques management and its processing inside GIS environments.

Technical skills:

Algorithm design: Matlab, IDL, Python. Experience with Javascript, HTML.

Geographic Information System Management: GeoSpatial Analysis, Geostatistics, CAD/GIS interoperability. ArcGis, GVSig, Spring, AutoCadMap, QGis.

Geodatabase Administration and Data Analysis: PostGIS, MySQL.

Implementation of automation processing chain of satellite imagery devoted to environmental monitoring (forest fires, floods, dust storms, floating vegetation, maritime oil spills). Modis image processing, bash scripting (IMAPP), developing of Feature Extraction algorithms (Matlab, IDL, Python) and automatic product ingestion and publishing according OGC WMS standards.

Earth Observation and Satellite Image processing: SAR images (Terrasar-X and Cosmo-Skymed constellation (X band), ERS, Envisat & Radarsat (C band) and Alos (L band)) for Intensity and Polarimetry analysis (Matlab, IDL, Envi, SNAP, Sarscape, PolsarPro, ASF-MapReady), and Optical images (Landsat, Modis, Proba-Chris, Geoeye, Ikonos, among others).