

Valérie De Feo

GIS analyst & Geologist

CONTACT

10 years of experience
Switzerland, Chad,
Mali, Eastern Caribbean

NZ work visa

Swiss citizenship

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3377 Taupo

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EDUCATION

> MSc. of Sciences 2008
Geological Risks and
Environment, Lahars
dynamics.
University of Geneva

> BSc. of Sciences 2005
Earth Sciences
University of Geneva

GIS & DATA

- > Spatial & 3D analysis
- > Geospatial data visualisation
- > Data gathering & quality control
- > Database architecture optimization and management
- > Satellites imagery treatment & analysis

PROFESSIONAL EXPERIENCE

Individual Contractor: GIS & Satellite Imagery Analysis

May 2018 - Mar 2019

UNITAR - UNOSAT, United Nations, CERN, Geneva,
Switzerland

Member of emergency response teams for natural disasters and humanitarian conflicts (www.unitar.org/maps/unosat-rapid-mapping-service).

Main outputs:

- Provide GIS training for governments and NGO's members (QGIS)
- Gather user feedback and provide statistics relative to the use/impact of the delivered training
- Assess damages due to conflicts or natural hazards using GIS
- Data cross-validation with field data and satellites imagery
- Analyse of satellites imagery
- Create technical reports, support documentations, bespoke analytical maps
- Contribute and support the improvement, update and maintenance of GDACS-SMCS service

Research Assistant: GIS & Hydrogeology








Dec 2015 - May 2018

UNITAR - UNOSAT, United Nations, CERN, Geneva,
Switzerland

In charge of all water-related data required for the analysis and interpretation of the local Chadian hydrogeology, piezometry and water quality. Responsible for their representation on the related hydrogeological maps produced via ResEau Project (<http://reseau.unosat.org/reseau/index-2.html>).

Main outputs:

- Manage and optimize water-related databases for the project
- Review and update SITEAU ministerial Chadian database for water resources; Actively contribute to its rework and provide training for governments and NGO's users
- Work in close relationship with UNOSAT team and Chadian government in N'Djamena
- Quality control and analyse groundwater piezometry and water quality data
- Contribute to the redaction of 2 hydrogeological atlas, related technical reports and hydrogeological maps
- Data mine for relevant data, information, bibliography
- Data cross-validation with field data and satellite imagery
- Analyse satellite imagery

- > GIS 
 - ESRI ArcGIS Suite,
 - QGIS, MapInfo
- > Database management 
 - Access, SpatiaLite,
 - MySQL
- > Data visualisation 
 - Leapfrog, Strater,
 - Tableau, Excel, ArcGIS
 - Dashboard
- > Programming 
 - Visual Basic, SQL,
 - Python
- > Office Suite 
- > Adobe Suite 
- > Petrophysic 
 - Powerlog, Geolog

Proficiency  Low High

- > Going Places (MOOC)
ESRI - Ongoing
- > The Location Advantage (MOOC)
ESRI - June 2020
- > Cartography (MOOC)
ESRI - May 2020
- > Spatial Data Science: The New Frontier in Analytics (MOOC)
ESRI - Apr. 2020
- > Geolog for Petrophysics
Paradigm - Oct. 2015
- > Well Log Interpretation
PetroSkills- Nov. 2013

PROFESSIONAL EXPERIENCE

Geologist & Petrophysicist

Jul 2013 - Aug 2015

Geneva Petroleum Consultants International S.A, Geneva, Switzerland

National and international consulting for petrophysical analysis and wireline operations. Main areas of study in Kurdistan, Nigeria and Germany.

Main outputs:

- Remote monitor drilling and wireline operations
- Implement and manage GIS and petrophysics databases (wireline data) for the company
- Digitise wireline data
- Analyse and interpret petrophysical wireline data
- Analyse borehole imagery
- Data mine for relevant petroleum data, information, bibliography
- Provide well summary sheets and well correlations
- Create case study and technical reports, support documentations, bespoke analytical maps
- Provide regional geological studies
- Describe and characterise reservoirs and prospects
- Liaise directly with clients on request

Exploration and Production Researcher

Aug 2010- Jun 2013

IHS Markit SA, Geneva, Switzerland

Member of the Saharan Africa team for exploration and production, I was in charge of the management of the oil & gas Fields database.

Main outputs:

- Data mine for relevant petroleum data, information, bibliography for oil and gas fields database
- Manage Fields database : control completeness, correctness, consistency and accuracy of gathered and input data
- Creation and update of fields activity maps
- Control petroleum Fields data consistency with the Geological Basins, Wells and Contracts databases
- Contribute to publications and posters
- Liaise directly with clients on request

SOFT SKILLS

- > Team focused
- > Active communicator
- > Client/User oriented
- > Result oriented
- > Reliable
- > Fast learner

LANGUAGES

- > French: Native
- > English: Fluent (C1 - FCE/TOEFL)
- > German: Basic knowledge (A2)

GEOLOGY

- > Geological hazards
- > Hydrogeology
- > Sedimentary basins
- > Reservoirs geology
- > Formation evaluation
- > Petrophysical interpretation
- > Drilling operations

MISC.

- > NZEUG Member
- > MOOCs enthusiast
- > Keen baker
- > Hiking



PROFESSIONAL EXPERIENCE

Contract Analyst

Oct 2009 - Aug 2010

IHS Markit SA, Geneva, Switzerland

Member of the Saharan Africa team for exploration and production, I was in charge of the management of the Contracts database.

Main outputs:

- Data mine for relevant data, information, bibliography for concessions and permits database
- Manage Contracts database : control completeness, correctness, consistency and accuracy of gathered and input data
- Creation and update of contracts activity maps
- Control Contracts data consistency with the Wells database
- Contribute to publications and posters
- Liaise directly with clients on request

VOLUNTEER EXPERIENCE

GIS Analyst/Cartographer (April 2020 - Present)

HOT OSM, Remotely from Taupo, NZ

Disaster and crisis response: Activation Working Group
Partner Liaison with FEMA, COVID-19 and floods mapping

Music journalist (2004 - 2018)

Neomusic-live (On stage Music-Live since 2018), Geneva
Video and audio interviews of different artists

Project Coordinator (Sept 2015 - Feb 2016)

Gaia21, Geneva

Guide individuals and companies toward green alternatives

Research Assistant (May 2008 - Jul 2008)

Montserrat Volcano Observatory, Monserrat

Geodesy, general operations

REFEREES & PUBLICATIONS

On Demand