Dr. Marco Foi
simplified curriculum

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Academic Formation

- **Ph.D. in Environmental Sciences**: Methodologies for digital field data acquisition aimed at 3D modeling of subsurface geology - Università degli Studi di Urbino.
- **M.Sc. in Earth Sciences**: Evaluation by digital image analysis of degradation in concrete - Università degli Studi di Milano (score 110 over 110)

Certifications

- "GIS Certificate – Examiner" endorsed by the ECDL Foundation (granted Nov.2008)

Private Formation and Courses

- *Introduction to PGPU and CUDA programming.* [2dd] - CINECA, Milan, November 2013
- Summer School *Object Modelling System.* [5dd] - Univ. Trento, October 2013
- *Python for computational science.* [3dd] - CINECA, Milan, March 2013
- *Android advanced programming.* [5dd] - Professional School "Luigi Einaudi", Bolzen, Nov. 2012
- *Google Maps mash up creation*. [2dd] Giscience – Fano 2009
- *Design and development of GIS software applications with VBA/ArcObject*. [5dd] Giscience – Fano, 2008
- *Building the GeoDatabase*. [5dd] ESRI – Rome, 2007
- *Introduction to the ArcGIS System*. [3dd] Agricultural School of the Monza's Park, 2007
- *TISIT: Information Technologies for the Territorial Information Systems*. [40h]. Politecnico di Milano – Milan, 2007
- *Introduction to programming ArcObjects with VBA*. [5dd]. ESRI – Rome, 2006
- *Installation and configuration of Linux Operating Systems*. [80h] Center for Professional Formation "A. Grandi" – Milan, 2006
- Summer course on *WebGIS development with Mapserver*. [5dd] CGT – San Giovanni Valdarno, 2006

Professional experience

from 2004 to 2014: GIS Specialist and Information Technology Engineer at the Earth Science Department of the University of Milan.
in 2004: "Globo Service": environmental remediation.
from 1999 to 2003: "Adelante Dolmen": Web Farm and Assistance Centre on IT Equipment

General IT an GIS related knowledge

- Mobile application development for Android portable devices with Java/Eclipse.
- Developing tools/extensions for the ArcGIS environment using VBA/ArcObjects.
- Design, implementation and management of MySQL, PostgreSQL, MSAccess and Oracle XE databases.
- Geospatial data management / process automation within ESRI Geodatabases with SQL, VBA, Avenue, Python and Model Builder.
- Geographic mashups with Google Maps APIs and Jquery/Jquery UI.
- Web development with HTML – Php – Asp – Aspx – Css – Javascript.
- Customization of WebGIS GUIs (Pmapper, CartoWeb3, KaMap) and Php/MapScript coding.
- Development of ArcPad custom acquisition forms and data structures using VBS.
- Network administration of Windows 2003 Server and Active Directory.
- Debian Linux system administration and services configuration.

Languages

English: **IELTS**™ Overall band score of **8.0** (minimum score 7.5); "Very Good User".