



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Fabio Vinci**
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E-mail(s) f.vinci@epsilon-italia.it
Nationality Italian
Date of birth 29/07/1977
Gender Male

Occupational field **Geographic Information Systems (GIS), Spatial Data Infrastructures and Remote Sensing Specialist - ECDL GIS Certified Examiner**

Work experience

Dates 2007 → to date
Occupation or position held INSPIRE & SDI Senior Expert - ECDL GIS Certified Examiner
Main activities and responsibilities He is deeply involved in the implementation of the INSPIRE (infrastructure for spatial information in Europe) European Directive, with particular focus on:

- the harmonization/validation of spatial datasets and metadata
- the interoperability of geo-webservices
- the validation and testing of the different SDI components.

He is also member of the pool of experts of the INSPIRE MIG (Maintenance and Implementation Group).

He is expert in: i) development of techniques for processing satellite remote sensing data for: evaluating the spatial-temporal evolution of the vegetation cover, the territorial control, the environmental monitoring and the management of natural/anthropogenic resources; ii) processing remotely sensed optical multi/hyper spectral and radar data, at different spatial resolution.

He is teacher and responsible of the management and educational organization of professional GIS training courses, held at the professional orders (engineers, geologists, agronomists) and public institutions (CNR – National Research Council, Provinces, Municipalities).

He is expert in design and implementation of SDI in different sectors (Local Authorities and private stakeholders).

- Activities related to INSPIRE data harmonization, defined in the Specific Contract N°3325/B2016/EEA.56527, implementing Framework service contract N°EEA/IDM/15/014-lot2 (Geospatial Standards and UML Modelling) of the European Environment Agency. Epsilon Italia is partner of the consortium led by KU Leuven - Leuven Research & Development - Waaistraat 6-bus 5105 - 3000 Leuven – BELGIUM.
- Activities of data/metadata harmonization and validation according to INSPIRE Directive, Data Model design, INSPIRE data model extension, technical support on harmonization activities in the frame of the following contracts/EU projects:
 - “Provision of INSPIRE compliant data conversion services for the LIFE+MIGRATE project (LIFE11/NAT/MT/1070)”, a contract commissioned by ERA – Environment and Resource Authority of Malta, Hexagon House, Spencer Hill, Marsa MRS 14441, Malta (April 2016)
 - “GeoSmartCity - Open geo-data for innovative services and user applications towards Smart Cities”, (www.geormacity.eu), project co-funded by DG CONNECT of the EC within the ICT-PSP (Policy Support Programme), coordinated by GISIG. (2014 to date)

- “LIFE+IMAGINE - Integrated coastal area Management Application implementing GMES, INSPIRE and SEIS data policies” (www.life-imagine.eu), is a project co-funded by the LIFE+ Programme Environmental Policy and Governance in the framework of the objective “strategic approaches”, coordinated by GISIG. (2013 to date)
- “eENVplus - eEnvironmental services for advanced application within INSPIRE”, an ICT-PSP cofounded project co-funded by DG Connect of the European Commission within the ICT-PSP (Policy Support Programme), coordinated by GISIG (IT), developing eEnvironmental services for advanced applications within INSPIRE, to be implemented and tested in 10 pilots-scenarios (www.eenvplus.eu). (2013 to 2015)
- Adaptation of training modules according to the relevant national Italian requirements in the frame of the project LINKVIT - Leveraging INspire Knowledge into Vocational Innovative Training”, (www.linkvit.eu), project co-funded under the LLP (Life Learning Programme) Leonardo da Vinci of the European Commission and coordinated by GISIG. The project contributes to rationalize and organize vocational training about GI & INSPIRE in public and private sector, also as regards an easy access to (standardized and validated at EU level) training, enabling a better skill and so support the practical implementation of the Directive. (2013 to date).
- Creation of training modules and organization of dissemination activities (Webinar, Hackathon, smeSpire day) in the frame of “smeSpire - A European Community of SMEs built on Environmental Digital Content and Languages”, an FP7 Support Action funded by DG Connect of the European Commission, aiming to support geo-ICT European SMEs to capitalize the benefits of the INSPIRE Directive, led by Epsilon Italia with a consortium with 15 partners coming from 12 EU Member States (www.smespire.eu). (2012 to 2014)
- Assistant instructor of an 80 hours training course delivered to 40 representatives of different Singapore Governmental Agencies in the frame of “SG-Space Standards Familiarisation: ISO 19100s Training”, an intensive training and consulting project delivered by GSAREH (GeoSpatial Applied Research Expert House) to SLA (Singapore Land Authority), related to the application of the ISO 19100s Geographic Standards to the Singapore context. (2013)
- Activities of geodatabase design for the “SEIS-Malta” Service Tender. In the frame of this tender he is responsible also for the activities related to use of the INSPIRE Annex II & III spatial data themes and the Observations and Measurements standard, the encoding of spatial datasets and implementing of download services, the extending of INSPIRE UML model and related XSD to fulfil specific requirements. (2011 to 2014)
- Activities of spatial data modelling for spatial planning, particularly focused on the encoding of the requirements/recommendations contained in the Regional Urban Law (of Calabria Region-Southern Italy) into a spatial data model to be used by Municipalities within their Council Structural Plans. These activities included training to spatial planners on data modelling and on use of GI standards.
- Activities of geodatabase design in the frame of the European Commission Environment LIFE+ Program Project “ArcFUEL – Forest Fuel Mapping Service”. In this project he was responsible also of the activities related to use of the INSPIRE Annex II & III spatial data themes, with focus on the encoding of raster datasets.
- “3D-Aerodromes - 3-Dimensional Airport & Vicinity Geodatabase: A Product for the General Aviation Industry” is a project funded by the European Commission Eurostars Programme and the R&D funds contributed by the three Member States of Germany, Greece and Italy. It was initiated in 2010 and will be completed in 2013. 3D-Aerodromes delivers: (i) the software technology to produce three dimensional Aerodrome Navigational Databases for the General Aviation; a technology for the integration of satellite imagery and other remote sensing data, terrain and obstacle data, navigation data and CAD data of airports; and (ii) for 50 European airports template databases will be created that serve as the basis for a standardization of 3D airport and airport environment data. These data provide an important basis for 3D visualization and navigation purposes in the air and on the ground and support the pilot through the so-called Synthetic View on the cockpit instruments.
- Activities of implementation of the INSPIRE (Infrastructure for Spatial Information in Europe) European Directive, in the frame of the Community Project “NATURE-SDIplus –Best Practice Network for SDI in Nature Conservation”, with focus on the harmonisation of spatial datasets and metadata, the implementation and testing of INSPIRE download service, the development of the Validation Briefcase consisting of procedures to test datasets and metadata against INSPIRE Data Specification encodings and related schematron rules and the schema transformation from heterogeneous source schemas to INSPIRE Data Specifications target schemas. (2009 - 2011)

	<ul style="list-style-type: none"> ▪ Design and development of Mobile GIS applications (both open-source & proprietary sw platforms) for environmental risk assessment, including assistance to the end-users (hw & sw procurement and professional training). ▪ Activities of implementation of SDI (Spatial Data Infrastructure), as part of the Community Project "MEDISOLAE 3D - Mediterranean Islands 3D Aerial Navigation". In the frame of this project he was responsible also of the activities related to "Database Design", harmonization of geospatial data, data modelling and data transformation with respect to the INSPIRE, OGC and ISO-TC211 standards. (2008-2010) ▪ "SIPITEC2", the design and development of the GIS and WEBGIS of the Territorial Coordination Plan of the Province of Cosenza, design and implementation of the Geoportal of the Planning Department of the Province of Cosenza (http://sipitec.provincia.cosenza.it). (2008 - 2012) ▪ Processing of remotely sensed satellite data for estimation of climatic and environmental variables, as part of Project "MIRASAT – A Methodology for the Assessment of Indicators of Environmental Risk by means of Satellite Remote Sensing techniques". (2008 – 2010) ▪ Conducting a pilot study for the realisation of the Land Use Technical Chart of the Province of Cosenza based on SPOT satellite data processing. Responsible of the elaboration of the technical specifications for the procurement of the Land Use Technical Chart of the Province of Cosenza based on aerial images photo-interpretation. Import cadastral data in a GIS environment.
Name and address of employer and type of contract	Epsilon Italia srl – Viale della Concordia 79, 87040 Mendicino (CS) (Italy) Permanent full-time employee
Type of business or sector	Research & Development in SDI (Spatial Data Infrastructures), Geomatics, Geographic Information Standards, Remote Sensing, Vocational Training.
Dates	03/2007 - 05/2007
Occupation or position held	Consultant
Main activities and responsibilities	Activities of implementation of an open source content management system (CMS), for the activities of on-line collaboration of the Service Center "AGRONOS", within the framework of the EQUAL Community Initiative II - Phase 2004-2008.
Name and address of employer	CONFAGRICOLTURA CALABRIA - Federazione Regionale Agricoltori Lamezia Terme (CZ)
Dates	09/2005 - 05/2007
Occupation or position held	Apprentice
Main activities and responsibilities	Development of techniques for processing satellite remote sensing data to evaluate the spatial-temporal evolution of the vegetation cover. Processing and classification of remotely sensed satellite images, to use the ER Mapper software.
Name and address of employer	Epsilon Italia srl
Education and training	
Dates	19/09/2014
Title of qualification awarded	ECDL GIS Certified Examiner
Name and type of organisation providing education and training	AICA - Associazione Italiana per l'Informatica ed il Calcolo Automatico.
Dates	06/2011
Title of qualification awarded	GML fundamentals, GML Hand On
Principal subjects/occupational skills covered	UML Data Models, GML Application Schema creation and mapping, Schema Validation, WFS deployment, use of data modelling software such as Enterprise Architect, Shapechange, GO Publisher.
Name and type of organisation providing education and training	Snowflake Software Ltd (UK)
Dates	11/2007
Title of qualification awarded	Specialized training course "GIS - Geographic Information Systems"
Principal subjects / occupational skills covered	Concepts of mapping and reference systems. Using Geomedia Professional software. Management of raster features, external data (CAD, shapfile). Analysis of the data. Managing the layout of the press.
Name and type of organisation providing education and training	EPSILON Italia srl, Kreade Inno.

Dates 10/1996 - 24/05/2007
 Title of qualification awarded Master Degree in Environmental and Territory Engineering
 Principal subjects / occupational skills covered Title of the thesis: "Land Cover classification techniques using multispectral satellite remote sensing data".
 Name and type of organisation providing education and training Università della Calabria, Rende (CS) (Italy)

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment
 European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B2	Independent user

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences Good integration capacity in the group.
 Organisational skills and competences Good experience in managing projects and working groups.
 Computer skills and competences Excellent knowledge of technical software (Enterprise Architect, Hale studio, Altova XMLSpy, oXygen XML Editor, Snowflake Go Publisher WFS);
 Excellent knowledge of GIS software (QGIS, ArcGIS 9.3/higher and extensions, Intergraph Geomedia Professional, gvSig, GRASS, OpenJUMP, AutoCad Map 3D);
 Excellent knowledge of Image Processing software (ER Mapper, ENVI, ERDAS Imagine);
 Programming languages (Visual Basic, Python, PHP); Web tools (HTML, XML, Java); Web server (IIS, Apache); CMS (Plone, Joomla); Database (Microsoft Access, Oracle, PostgreSQL); Microsoft Office (Internet Explorer, Word, Excel, Outlook);
 Excellent knowledge of Microsoft Operating Systems (Windows XP, Vista, Seven, Server);
 Good knowledge of graphics applications (Adobe Illustrator, PhotoShop).

Driving licence(s) Italian Driving Licence AB

Additional information

Register of Engineers of the Province of Cosenza, on 04/02/2008 at n° 4867.
 Congresses and Conferences Proceedings:

- G. Martirano, F. Vinci, S. Morrone, L. Bermudez, "An On-line Executable Test Suite to Validate Annex I-II-III INSPIRE Datasets", INSPIRE & GWF Conference 2015, Lisbon (PT), 25-29 May 2015.
- G. Martirano, F. Vinci, S. Morrone, "How to assess the degree of conformity to the requirements specified by Commission Regulation (EU) No 1089/2010 relevant to a dataset belonging to INSPIRE Annex II/III data themes", INSPIRE Conference 2014, Aalborg (IT), 18-20 June 2014.
- G. Martirano, F. Vinci, S. Morrone, M. Bonazountas, A. Astyakopoulos, A. Trypitsidis, "INSPIRE Land Cover Data Specifications to model fire access time in Europe: the experience of the eENVplus project", INSPIRE Conference 2014, Aalborg (IT), 18-20 June 2014.
- F. Vinci, "Un caso pratico di trasformazione di un dataset nazionale dei siti Natura2000 e sua compliance con il tema Protected Site di INSPIRE", Workshop "INSPIRE: prepararsi all'atterraggio. Atto II", Campus di Fisciano - Università di Salerno, 20 Settembre 2013.
- G. Martirano, F. Vinci, M. Bonazountas, A. Astyakopoulos, "INSPIRE Land Cover Data Specifications to model fuel maps in Europe: the experience of the ArcFUEL LIFE+ project", INSPIRE Conference 2013, Florence (IT), 23-27 June 2013.
- G. Martirano, F. Vinci, "Example of an Executable Test Suite to validate an INSPIRE WFS Download Service", INSPIRE Conference 2013, Florence (IT), 23-27 June 2013.
- G. Martirano, M. Gaccione, V. Gagliardi, F. Vinci, "An open-source based SDI for local spatial planning compliant to policy requirements", INSPIRE 2012 Conference, Istanbul (TR), 23 - 27 June 2012.
- G. Martirano, M. Bonazountas, S. Formosa, M. Nolle, E. Sciberras, F. Vinci, "Use of the INSPIRE EF Data Specifications to develop the SEIS-Malta Geodatabase for the Air Quality data management", INSPIRE 2012 Conference, Istanbul (TR), 23 - 27 June 2012.
- M. Ford, G. Martirano, K. Schleidt, F. Vinci, "An INSPIRE validation briefcase for nature conservation and beyond", INSPIRE 2011 Conference, Edinburgh (UK), 27 June – 1 July 2011.
- M. Burns, R. Rombouts, F. Vinci, G. Martirano, "Data Harmonisation And Publication For Nature Conservation", INSPIRE 2011 Conference, Edinburgh (UK), 27 June – 1 July 2011.

- G. Martirano, F. Vinci, V. Gagliardi, M. Bonazountas, E. Nousi, "The data modeling of the Medisoliae-3D project: a good practice for thematic communities aiming at implementing Inspire", INSPIRE 2010 Conference, Krakow (PL), 22 - 25 June 2010.