

Fabio Zottele

Work information

Address: Fondazione Edmund Mach di San Michele all'Adige,
Via E. Mach, 1 - 38010 San Michele all'Adige (IT)

Phone: +39 0461 615395

Nationality: IT

Date of birth: 1976, July 14

Work experience

2006–ongoing **Fondazione Edmund Mach**

San Michele all'Adige, IT

Freelance and technologist

I design and create Decision Support Systems to manage the irrigation of vineyards and orchards, developing the software that estimates the water content in the soil and applying the techniques of statistical and geostatistical analysis in the broader field of agrometeorology. I conceived, developed and published a novel concept called *Landscapital* – the landscape as an exploitable mean of production – and, based on this, I developed a tool to activate those shared processes that enhance the perceived value of the products that can be associated with a valuable landscape.

I wrote and supervised projects and experiments about the new emerging technologies and tools for inspecting vineyards and orchards in structurally disadvantaged conditions (steep slopes and landscape fragmentation).

These skills have allowed me to collaborate with numerous researchers and technologists on many projects and activities. Among the most important: predicting the impact of climate change on plant phenology and the spread of diseases in the forests of the Alps; development of spatiotemporal diffusion models of the damage caused by alien species of insects in the Trentino vineyards to suggest targeted agronomic interventions and consequently reduce the use of insecticides; using unmanned aerial vehicle to map the symptoms of disease or the stability of the slopes in the vineyards and orchards; the processing of meteorological data for energy design in buildings; the use of satellite radiometric images in the planning and management of rescue operations in the event of an earthquake.

I was co-author and teacher of several courses about Geographical Informative Systems and Technologies, programming with the R statistical software about climate and meteorology for farmers and agricultural experts.

2005–2015 **Dipartimento di Ingegneria Civile e Ambientale**

Università degli Studi di Trento

Freelance From 2005 to 2006, I worked as a webGIS developer and designer of relational geo-databases. Until 2015 I collaborated as co-author, teacher and trainer in the course "Grass Free and Open Source GIS and geodatabase theory and applications" (from 3rd to the 12th edition) at the University of Trento and the University of Genoa. I was co-author and trainer of the workshop "GRASS GIS and external RDBMS" At FOSS4G2006 in Lausanne (CH).

In 2006 I tutored the course "Orthorectification of high-resolution satellite images: methodologies, applications and problems" provided by the Sapienza University of Rome.

Education and training

1995–2005 **M.Sc. magna cum laude Ingegneria per l'Ambiente ed il Territorio**

Università degli studi di Trento

Un approccio 3D vettoriale alla modellazione di venti locali termicamente forzati.

Skills

- Coding:
 - statistics:* R, Stan, Julia;
 - web:* php, CSS, HTML, Mapscript e JavaScript (ECMA-262);
 - database:* SQL:2011;
 - text:* \LaTeX , Markdown;
 - agent-based modelling:* Netlogo, GAML.
- Software:
 - GIS:* R, GRASS, Qgis, Pix4D, PostGIS, Mapserver;
 - RDBMS:* PostgreSQL, MariaDB, MySQL.
- Workshop organizer:
 - Agroecology in the vineyard* 2017, November 16th;
 - UAVs and agriculture* 2018, January 25th.
- Project proposal: LIFE, Alpine Space, Central Europe, PRIMA-MED, EIP;
- Member of the Free Software Foundation;
- Licensed Class VL/MC UAV pilot (I.APRA.006010), since 2017, November 30th;
- Union rep for the Confederazione Generale Italiana del Lavoro.
- Sommelier and member of Associazione Italiana Sommelier (AIS);
- Member of Associazione Nazionale Assaggiatori Grappa (ANAG);
- Member of the Order of Engineers from 2005 to 2017.

Courses and Certifications

2020 **Coursera**

University of Cape Town

Julia Scientific Programming

2018 **GiPro giovani e professionisti**

Ente Nazionale Sordi

Oltre la barriera del suono: corso di Formazione sulla sordità per giovani professionisti

- 2018 **Fondazione Edmund Mach**
Ciaotech
Corso di europrogettazione
- 2018 **Fondazione Edmund Mach**
-
Introduzione all'utilizzo consapevole del sistema di calcolo di KORE di FBK
- 2018 **Fondazione Edmund Mach**
ItlaFLY
Fotogrammetria aerea, rilievi topografici ed architettonici con drone
- 2018 **Fondazione Edmund Mach**
ItaFLY
Corso conseguimento attestato APR
- 2017 **GiPro giovani e professionisti**
Ordine Avvocati di Rovereto
Corso Teorico-pratico per l'Accesso all'Amministrazione di Società: approfondimento in bilancio, pianificazione, business model e change management
- 2016 **Coursera**
University of Washington
Machine Learning Foundations: A Case Study Approach
- 2015 **Coursera**
Duke University
Data Analysis and Statistical Inference
- 2015 **Fondazione Edmund Mach**
-
Diffusione del modello di organizzazione e di gestione (MOG)
- 2015 **Coursera**
Tel Aviv University
What a Plant Knows (and other things you didn't know about plants)
- 2015 **Fondazione Edmund Mach**
Hyperion Ltd.
How to write a competitive proposal for Horizon 2020
- 2014 **Coursera**
University of Michigan, US
Model Thinking
- 2014 **Coursera**
Duke University, US
Think Again: How to Reason and Argue

- 2013 **Fondazione Edmund Mach**
-
Corso sicurezza dipendenti
- 2013 **Coursera**
Pennsylvania State University, US
Maps and the Geospatial Revolution
- 2012 **OpenIT**
-
GNU/Linux systems Administration
- 2011 **Italian AgroMeteorology Association**
-
Introduction to agrometeorological models and cultural systems
- 2011 **Fondazione Edmund Mach**
Informatica Trentina
Potenzialità di model builder in ambito SIAT
- 2010 **Fondazione Edmund Mach**
Informatica Trentina
Potenzialità di Spatial Analyst e 3D analyst in ambito SIAT
- 2010 **Fondazione Edmund Mach**
E4 Computer Engineering
E4 workshop 2010
- 2010 **Terradata Environmetrics**
Dipartimento di Scienze Ambientali, Università di Siena
Statistical Analyses for Botanists and Ecologists
- 2010 **Fondazione Edmund Mach**
-
Parametric and Nonparametric Statistics
- 2000 **Repubblica Italiana**
Commissariato del Governo per la Provincia di Bolzano
Attestato di bilinguismo (Diploma di istituto di istruzione secondaria di primo grado)

Lingusitic proficiency

Mother tongue: italian.

| | Understanding | | Speaking | | Writing |
|----------------|--------------------|--------------------|---------------------|--------------------|--------------------|
| | Listening | Reading | Listening | Reading | |
| English | C1 Proficient user | C2 Proficient user | B2 Independent user | C1 Proficient user | C2 Proficient user |
| French | A2 Basic user | A2 Basic user | A2 Basic user | A2 Basic user | A2 Basic user |
| German | A2 Basic user | A2 Basic user | A2 Basic user | A2 Basic user | A2 Basic user |

Common European Framework of Reference for Languages

Publications

Riviste peer-review

Zottele Fabio and Álvaro González Santana

"Faraway, So Close!": Proof of Concept of Landscapital as Applied to the Terraced Landscapes of the Canary Islands and Val di Cembra (Italian Alps)

Vegueta. Anuario de la Facultad de Geografía e Historia 21.1 (Jan. 2021) pp. 319–342. Faculty of Geography and History, University of Las Palmas de Gran Canaria

Scala Elia, Marco Micheli, Fabrizio Ferretti, Giorgio Maresi, **Fabio Zottele**, Barbara Piškur, and Lidia Scatolin

New diseases due to indigenous fungi in a changing world: The case of hop hornbeam canker in the Italian Alps

Forest Ecology and Management 439 (May 2019) pp. 159–170

Baiocchi Valerio, **Fabio Zottele**, and Donatella Dominici

Remote Sensing of Urban Microclimate Change in L'Aquila City (Italy) after Post-Earthquake Depopulation in an Open Source GIS Environment

Sensors 17.2 (June 2017)

Carlin Silvia, Urska Vrhovsek, Pietro Franceschi, Cesare Lotti, Luana Bontempo, Federica Camin, David Toubiana, **Fabio Zottele**, Giambattista Toller, Aaron Fait, and Fulvio Mattivi

Regional features of northern Italian sparkling wines, identified using solid-phase micro extraction and comprehensive two-dimensional gas chromatography coupled with time-of-flight mass spectrometry

Food Chemistry 208 (Oct. 2016) pp. 68–80

Geri Francesco, Nicola La Porta, **Fabio Zottele**, and Marco Ciolli

Mapping Historical Data: Recovering a Forgotten Floristic and Vegetation Database for Biodiversity Monitoring

ISPRS International Journal of Geo-Information 5 (June 2016) p. 100

Cristofori Antonella, Giovanni Bacaro, Mauro Confalonieri, Fabiana Cristofolini, Luisa Frati, Francesco Geri, Elena Gottardini, Gabriele Tonidandel, **Fabio Zottele**, and Marco Ferretti

Estimating ozone risks using forest monitoring - results for science, policy and society

Annals of Forest Science 82.7 (Oct. 2015) pp. 887–896

Delay Etienne, Marius Chevallier, Eric Rouvellac, and **Fabio Zottele**

Effects of the Wine Cooperative System on Socio-economic Factors and Landscapes in Mountain Areas

Journal of Alpine Research 103.1 (May 2015)

Giovanardi Alessia, Passera Alessio, **Fabio Zottele**, and Roberto Lollini

Integrated solar thermal façade system for building retrofit

Solar Energy 122 (Oct. 2015) pp. 1100–1116

Zottele Fabio and Etienne Delay

È possibile descrivere la resistenza dei paesaggi vitati di montagna utilizzando un territorio virtuale? Il caso trentino

Territoires du vin [en ligne] 6 (2015)

Caffarra Amelia, **Fabio Zottele**, Emily Gleeson, and Alison Donnelly
Spatial heterogeneity in the timing of birch budburst in response to future climate warming in Ireland
International Journal of Biometeorology 58.4 (2014) pp. 1232–1254

Eccel Emanuele, Emanuele Cordano, and **Fabio Zottele**
A project for climatologic mapping of soil water content in Trentino
Italian Journal of Agrometeorology 20.1 (Oct. 2014)

Laiti Lavinia, Daniele Andreis, **Fabio Zottele**, Lorenzo Giovannini, Luca Panziera, Giambattista Toller, and Dino Zardi
A Solar Atlas for the Trentino Region in the Alps: Quality Control of Surface Radiation Data
Energy Procedia 59 (2014) pp. 336–343

Zottele Fabio, Cristina Salvadori, Stefano Corradini, Daniele Andreis, Alessandro Wolynski, and Giorgio Maresi
Chrysomya rhododendri in Trentino: a first analysis of monitoring data
Baltic Forestry 20.2 (Apr. 2014) pp. 28–36

Zorer Roberto, Duccio Rocchini, Markus Metz, Luca Delucchi, **Fabio Zottele**, Franco Meggio, and Markus Georg Neteler
Daily MODIS Land Surface Temperature Data for the Analysis of the Heat Requirements of Grapevine Varieties
IEEE Transactions on Geoscience and Remote Sensing 51.4 (Apr. 2013) pp. 2128–2135

Delay Etienne and **Fabio Zottele**
Cartographie web: comment construire le lien entre territoire et consommateur?
Cartes & géomatique 213 (Sept. 2012) pp. 70–75

Eccel Emanuele and **Fabio Zottele**
High-resolution hail monitoring in an alpine fruit-growing region
Italian Journal of Agrometeorology 17.2 (2012) pp. 13–22

Pisetta Michele, Lucio Montecchio, Claudia Maria Oliveira Longa, Cristina Salvadori, **Fabio Zottele**, and Giorgio Maresi
Green alder decline in the Italian Alps
Forest ecology and management 281 (2012) pp. 75–83. Elsevier BV

Tamburini Matteo, Giorgio Maresi, Cristina Salvadori, Andrea Battisti, **Fabio Zottele**, and Federico Pedrazzoli
Adaptation of the invasive western conifer seed bug Leptoglossus occidentalis to Trentino, an alpine region (Italy)
Bulletin Of Insectology 65.2 (2012) pp. 161–170

Zottele Fabio, Giambattista Toller, and Emanuele Eccel
Irr4web: crop water needs definition by webGIS
Italian Journal of Agrometeorology 15.3 (Dec. 2010) pp. 5–14

Eccel Emanuele, Giorgia Arman, **Fabio Zottele**, and Beniamino Gioli
Thermal infrared remote sensing for high-resolution minimum temperature mapping
Italian Journal of Agrometeorology 18.3 (2008) pp. 52–61

Toller Giambattista, Roberto Barbiero, Alessandro Biasi, **Fabio Zottele**, and Emanuele Eccel
Allertamento per le gelate in Trentino: lo stato dell'arte
 Italian Journal of Agrometeorology 18.3 (2008) pp. 52–61

Baiocchi Valerio, Simona Mascia, Ennio Tanga, Alfonso Vitti, Paolo Zatelli, and **Fabio Zottele**
SIG et déchets
 Géomatique Expert 44.1 (May 2005) pp. 42–44

Vitti Alfonso, Paolo Zatelli, and **Fabio Zottele**
3D vector approach to local thermally driven slope winds modeling
 International Journal of geoinformatics 1 (Mar. 2005) pp. 79–86

Capitoli di libro

Climatologia e fabbisogni irrigui
Zottele Fabio and Giambattista Toller
I suoli delle valli del noce: terreno, frutteto, ambiente, 2018

I suoli dell'Area del Consorzio Iriguo di Campodenno
 Sartori Giacomo, Rodolfo Minelli, Andrea Parisi, **Fabio Zottele**, Ivan Piffer, and Daniela Bertoldi
Fame d'acqua: l'agricoltura trentina di fronte alla nuova sensibilità ecologica per la difesa dell'ambiente e della risorsa idrica. Un caso virtuoso, Campodenno, 2015

I sistemi informativi geografici per l'agricoltura di precisione
Zottele Fabio
Fame d'acqua: l'agricoltura trentina di fronte alla nuova sensibilità ecologica per la difesa dell'ambiente e della risorsa idrica. Un caso virtuoso, Campodenno, 2015

Ireland's Climate: the road ahead
 Donnelly Alison, Amelia Caffarra, **Fabio Zottele**, and Emily Gleeson
Irish wildlife in a warmer climate, 2013

Vigneti di montagna, quanto sono eroici?
Zottele Fabio, Daniele Andreis, and Etienne Delay
Valle di Cembra: il territorio, la gente, il vino: storia della Rassegna Vini Müller Thurgau, pp. 211–215, 2013

Atti di convegno

"Faraway, So Close!" The landscapital proof-of-concept applied to the terraced landscapes of the Canary Islands and of the Alps.
Zottele Fabio and Álvaro González Santana
IV Congreso Mundial I.T.L.A. 2019: "Re-Encantar Bancales", pp. 204–211, 2021, Canary Islands, SP

Droni e TreeClimbing per il monitoraggio degli alberi in ambito urbano
 Crocetta Paolo, **Fabio Zottele**, and Melissa Scommegna
DronItaly, 2018, Milano

Rilievo Aerofotogrammetrico del Parco della Fondazione Mach

Scandella Federica, **Fabio Zottele**, and Melissa Scommegna

DronItaly, 2018, Milano

The Landscapital: how to define a "landscape capital" in the context of the vine-growing regions
Zottele Fabio and Etienne Delay

Terraced Lanscape: Choosing the future, Third World Meeting, pp. 457–462, 2018, Canale di Brenta

Surveying the development of the steep-slope, terraced and mountainous viticultural landscape by using unmanned aerial vehicles: a costs & benefits analysis

Zottele Fabio, Federica Scandella, Davide Bucci, Luca Nabacino, and Melissa Scommegna

Proceedings of the 6th International Congress on Mountain and Steep Slope Viticulture, pp. 4–8, 2018

Chasing the landscape capital in space and time: a model for Val di Cembra

Zottele Fabio and Etienne Delay

Proceedings of the 5th International Congress on Mountain and Steep Slope Viticulture, 2017

How much can a virtual territory help us to understand the resilience of the heroic viticulture? A case study in Trentino (IT)

Zottele Fabio and Etienne Delay

Proceedings of the 5th International Congress on Mountain and Steep Slope Viticulture, 2017

Regional features of Northern Italian sparkling wines, identified using solid-phase micro extraction and comprehensive two-dimensional gas chromatography coupled with time-of-flight mass spectrometry
Carlin Silvia, Urshka Vrhovsek, Pietro Franceschi, Cesare Lotti, Federica Camin, David Toubiana, **Fabio Zottele**, Giambattista Toller, Aaron Fait, and Fulvio Mattivi

International conference MASSA, p. 71, 2016

ClimClass and ClimClassMap: two R-packages for climatic and agro-bioclimatic indices: an application to Trentino

Eccel Emanuele, Emanuele Cordano, **Fabio Zottele**, and Giambattista Toller

XVIII Convegno Nazionale di Agrometeorologia: AIAM 2015: Agrometeorologia per nutrire il pianeta: acqua aria suolo piante animali, 2015

Ostrya carpinifolia canker in Trentino and Veneto: first investigation on the biological factors involved
Scala Elia, Marco Micheli, **Fabio Zottele**, Barbara Piškur, and Giorgio Maresi

IUFRO WP 7.03.10: methodology of forest insect and disease survey in central Europe, fluctuation of insects and diseases, p. 23, 2015

IDROCLIMA: a climatologic mapping of soil water content for trentino

Cordano Emanuele, **Fabio Zottele**, and Emanuele Eccel

Atti del XVII Convegno nazionale di agrometeorologia: ruolo dell'agrometeorologia nelle nuove politiche agricole, pp. 93–94, 2014

Estimating soil moisture by electrical resistance measurements

Toller Giambattista, Daniele Andreis, Aldo Biasi, Alessandro Biasi, Stefano Corradini, Danilo Caset, Andrea Faustini, Ugo Paternolli, Ivan Piffer, Giacomo Sartori, and **Fabio Zottele**

Atti del XVII Convegno nazionale di agrometeorologia: ruolo dell'agrometeorologia nelle nuove politiche agricole, pp. 93–94, 2014

Impact of cooperation on vineyards mountain landscape

Delay Etienne, Jeremy Bourgoïn, and Fabio Zottele

18th international Symposium GiESCO, vol. 28, 2013

Mountain: a way for adaptation to global warming

Delay Etienne, **Fabio Zottele**, Herve Quenol, and Giorgio De Ros

18th international Symposium GiESCO, vol. 28, 2013

Recovering historical vegetational database to study the forest biodiversity in Trentino

La Porta Nicola, **Fabio Zottele**, Francesco Geri, and Marco Ciolli

IX Congresso Nazionale SISF. Multifunzionalità degli ecosistemi forestali montani: sfide e opportunità per la ricerca e lo sviluppo, 2013

Developing a risk map of Ips Typographus

Andreis Daniele, **Fabio Zottele**, Alessandro Wolynski, and Cristina Salvadori

IUFRO 7.03.10: Methodology of forest insect and disease survey, 2012

LAME: un outil pour comprendre les dynamiques spatiales des territoires viticoles de montagne

Delay Etienne, Jeremy Bourgoïn, **Fabio Zottele**, and Daniele Andreis

Proceedings of the 4th International Congress on Mountain and Steep Slope Viticulture, 2012

Zoning mountain landscapes for a valorisation of high identity products

Delay Etienne and **Fabio Zottele**

XI International Terroir Congress, vol. 1, pp. 2–16, 2012

FungPROTDB: An integrated repository of amino acid homorepeats in Fungal Kingdom

Sablok Gaurav, **Fabio Zottele**, Ari Mikko Hietala, and Carl Grunnar Fossdal

ECCB'12 - 11th European Conference on Computational Biology, 2012

Main parameters affecting the pine processionary moth (*Thaumetopoea pityocampa*) distribution

Salvadori Cristina, Daniele Andreis, **Fabio Zottele**, Stefano Corradini, and Massimo Miori

IUFRO 7.03.10: Methodology of forest insect and disease survey, 2012

A model for predicting damage spatial distribution of *Phyllocnistis vitigenella* in Trentino Vineyards

Zottele Fabio, Mario Baldessari, Marco Delaiti, Matteo Curzel, Claudio Ioriatti, and Gino Angeli

Meeting of the IOBC/WPRS Working group Integrated Protection and Production in Viticulture, Lacanau, FRANCE, 2012

***Chrysomyxa rhododendri* in Trentino: first analysis of monitoring data**

Zottele Fabio, Stefano Corradini, Cristina Salvadori, Daniele Andreis, Alessandro Wolynski, and Giorgio Maresi

IUFRO 7.03.10: Methodology of forest insect and disease survey, 2012

La grandine in un'area agricola alpina: climatologia e legami con precursori atmosferici a larga scala

Eccel Emanuele, Piero Cau, Kathrin Riemann-Campe, Franco Biasioli, and **Fabio Zottele**

XIV Convegno nazionale di agrometeorologia: agrometeorologia per l'azienda agraria, 2011

Use of multi-annual MODIS Land Surface Temperature data for the characterization of the heat requirements for grapevine varieties

Zorer Roberto, Duccio Rocchini, Luca Delucchi, **Fabio Zottele**, Franco Meggio, and Markus Georg Neteler

6th International Workshop on the Analysis of Multi-temporal Remote Sensing Images (Multi-Temp), 2011

Mapping future phenology of birch in Ireland

Zottele Fabio, Amelia Caffarra, Emily Gleeson, and Alison Donnelly

European GeoSciences Union General Assembly, 2011

irri4web: a decision support system for irrigation

Zottele Fabio, Emanuele Eccel, and Giambattista Toller

IVth International Workshop on Digital Soil Mapping, Rome, Italy, 2010

Un sistema integrato per la gestione dell'irrigazione automatizzata

Zottele Fabio, Massimiliano Morari, Aldo Biasi, Stefano Corradini, Ivan Piffer, Alessandro Biasi, and Giambattista Toller

XIII Convegno nazionale di agrometeorologia: agrometeorologia nella gestione integrata dei sistemi agro-forestali e dell'ambiente, pp. 75–76, 2010

Rotifer biodiversity in the eastern Alps: influence of environment and dispersal

Obertegger Ulrike, **Fabio Zottele**, Bertha Thaler, Danilo Tait, and Giovanna Flaim

XIX Congresso Associazione italiana di oceanografia e limnologia, p. 50, 2009

Fuzzy set theory applied to the characterisation of alpine forest vegetation

La Porta Nicola, **Fabio Zottele**, and Duccio Rocchini

XVIII Congresso della Società Italiana di Ecologia: Ecologia emergenza pianificazione: riassunti, p. 136, 2008

How alpine landscapes and dispersal vectors shape gene-flow and population structure in *Melampyrum sylvaticum*

Wunder Jörg, M. Li, Ruggero Valentinotti, **Fabio Zottele**, F. Prosser, E. Scarponi, Michele Graziola, Barbaro E., Saedler H., and Claudio Varotto

X Symposium of the International Organization of Plant Biosystematists IOPB and International Association for Plant Taxonomy IAPT, 2008

Necessità irrigue della Val di Non

Toller Giambattista, **Fabio Zottele**, Alberto Dorigoni, Paolo Lezzer, and F. Rossi

La frutticoltura delle Valli del Noce: 10ma giornata tecnica, pp. 59–69, 2007

Sperimentazioni di soluzioni geo-database Open Source per la gestione e la distribuzione di informazioni georeferenziate

Benciolini Giovanni Battista, Marco Ciolli, Alfonso Vitti, Paolo Zatelli, and **Fabio Zottele**

ASITA 2006: X Conferenza Nazionale della Federazione italiana delle Associazioni Scientifiche per le Informazioni Territoriali e Ambientali, 2006

Un sistema di supporto alle decisioni per la gestione delle operazioni di ricerca e soccorso

Ciolli Marco, Luca Mengon, Alfonso Vitti, Paolo Zatelli, and **Fabio Zottele**

ASITA 2006: X Conferenza Nazionale della Federazione italiana delle Associazioni Scientifiche per le Informazioni Territoriali e Ambientali, pp. 697–702, 2006

GRASS GIS and RDBMS

Zatelli Paolo, Marco Ciolli, Alfonso Vitti, **Fabio Zottele**, Otto Dassau, Jachym Cepicky, and S Holl

FOSS4G2006: Free and Open Source Software for Geoinformatics, OSGEO, 2006

3D vector approach to local thermally driven slope winds modeling

Vitti Alfonso, Paolo Zatelli, and **Fabio Zottele**

Proceedings of the Free/Libre and Open Source Software (FOSS) for Geoinformatics: GIS - GRASS Users Conference, pp. 1–16, 2004

Modellizzazione vettoriale 3D e DBMS in ambito GIS per lo studio di venti di pendio

Vitti Alfonso, Paolo Zatelli, and **Fabio Zottele**

ASITA 2004: VIII Conferenza Nazionale della Federazione italiana delle Associazioni Scientifiche per le Informazioni Territoriali e Ambientali, vol. 2, pp. 1959–1964, 2004

Report tecnici

geotopbricks: An R Plug-in for the Distributed Hydrological Model GEOtop

Cordano Emanuele, Daniele Andreis, and **Fabio Zottele**

CRAN: The Comprehensive R Archive Network, 2016

Progetto “Idroclima”: climatologia delle condizioni idrologiche naturali dei suoli in Trentino

Cordano Emanuele, **Fabio Zottele**, and Emanuele Eccel

Relazione finale del progetto co-finanziato dal “Fondo Cambiamenti Climatici” PAT 2012, 2014

Centeurino, l’agro-meteorologia sposa Arduino

Toller Giambattista, Stefano Corradini, Alessandro Biasi, Daniele Andreis, Biasi Aldo, Danilo Caset, Ugo Paternolli, Ivan Piffer, and **Fabio Zottele**

Centro Trasferimento Tecnologico Rapporto 2013, 2014

Simulazione dei processi di scelta per la comprensione delle dinamiche territoriali della viticoltura di montagna

Zottele Fabio, Etienne Delay, Daniele Andreis, Giorgio De Ros, and Giambattista Toller

Centro Trasferimento Tecnologico Rapporto 2012, 2013

Minatori fogliari della vite in Trentino

Baldessari Mario, Marco Delaiti, **Fabio Zottele**, and Gino Angeli

Centro Trasferimento Tecnologico Rapporto 2011, 2012

Progetto Diana Efesina: molti zampilli di informazione e per irrigare meglio

Toller Giambattista, Daniele Andreis, Aldo Biasi, Alessandro Biasi, Danilo Caset, Stefano Corradini, Ugo Paternolli, Ivan Piffer, and **Fabio Zottele**

Centro Trasferimento Tecnologico Rapporto 2011, 2012

Sistemi informativi geografici e viticoltura eroica

Zottele Fabio and Etienne Delay

Centro Trasferimento Tecnologico Rapporto 2011, 2012

Modelli numerici di previsioni meteorologiche per applicazioni in campo agrario

Zottele Fabio, Massimiliano Morari, and Giambattista Toller

Centro Trasferimento Tecnologico Rapporto 2010, 2011

Suolo e paesaggio
Toller Giambattista, **Fabio Zottele**, and Claudio Dalsant
Centro Trasferimento Tecnologico Rapporto 2009, 2010

IRRI4WEB: un servizio di supporto all'irrigazione
Zottele Fabio, Giambattista Toller, and Emanuele Eccel
Centro Trasferimento Tecnologico Rapporto 2009, 2010

GRASS GIS Beginner's Workshop
Zatelli Paolo, Marco Ciolli, Alfonso Vitti, **Fabio Zottele**, Otto Dassau, Jachym Cepicky, and Stephan Holl
FOSS4G2006: Free And Open Source Software for Geoinformatics OSGEO, 2006

Final report on the job object of the agreement stipulated between Insula S.p.A. and DICA as per your order n. 4500000707 up to 12 August 2005
Benciolini Giovanni Battista, Marco Ciolli, Paolo Zatelli, Alfonso Vitti, Andrea Antonello, and **Fabio Zottele**
Attività del Dipartimento di Ingegneria Civile ed Ambientale, Università degli Studi di Trento (internal), 2005

Articoli divulgativi

Fabio Zottele
Difesa attiva da gelate tardive
Agricoltura Trentina 38.3 (Mar. 2019) p. 23

Fabio Zottele
Droni e agricoltura di precisione
Agricoltura Trentina 38.4 (Apr. 2019) p. 25

Zottele Fabio, Federica Scandella, and Melissa Bucci Davide amd Scommegna
DRONHERO. Droni alla ricerca del capitale paesaggistico trentino
VVQ vigne, vini & qualità 1.3 (Mar. 2018) pp. 46-48

Zottele Fabio, Melissa Scommegna, Federica Scanedella, Paolo Crocetta, and Luca Nabacino
Droni ed Agricoltura: esperienze Formative ed esperienze Tecniche
AGRIACMA: 9th Fiera specializzata - Macchine Agricole di Montagna. Riva del Garda (Mar. 2018)

Cristofolini Fabiana, **Fabio Zottele**, Maurizio Salvadori, Cristina Zorzi, and Elena Gottardini
I pollini, sentinelle dei cambiamenti climatici
Terra Trentina 62.2 (Sept. 2017) p. 75

Zottele Fabio and Etienne Delay
Viticultura eroica: un territorio da difendere
Terra Trentina 3.1 (Sept. 2015)

Ivan Piffer and **Fabio Zottele**
La banca dati dei suoli
Terra Trentina 58.2 (Mar. 2012) pp. 42-43

Zottele Fabio and Daniele Andreis

La carta pedologica via web

Terra Trentina 58.2 (Mar. 2012) p. 43

Zottele Fabio, Daniele Andreis, and Etienne Delay

Quanto sono eroici?

Terra Trentina 58.4 (Dec. 2012) pp. 20–23

La Porta Nicola, **Fabio Zottele**, Emanuel Endrizzi, Luca Soraruf, and Marco Ciolli

Dallo studio dei cingoli forestali del Trentino un importante archivio floristico della biodiversità forestale da valorizzare

Dendronatura 32.1 (Jan. 2011) pp. 29–36

Agabiti Barbara, **Fabio Zottele**, and Enzo Mescalchin

Invertebrati sotto le ruote

Terra Trentina 56.5 (May 2010) pp. 50–51

Ciolli Marco, Fabrizio Ferretti, Chiara Sboarina, Alfonso Vitti, Paolo Zatelli, and **Fabio Zottele**

Studio di migrazione del database dell'asestamento forestale "Progetto bosco" da una architettura locale e proprietaria a una distribuita e Open Source

Dendronatura 28.2 (June 2008) pp. 31–36

Ciolli Marco, Luca Mengon, Alfonso Vitti, Paolo Zatelli, and **Fabio Zottele**

A GIS-based decision support system for the management of SAR operations in mountain areas

Geomatic Workbooks 6 (2006)

Baiocchi Valerio, Simona Mascia, Ennio Tanga, Alfonso Vitti, Paolo Zatelli, and **Fabio Zottele**

Development of waste management plan in an open source webGIS

Geomatic Workbooks 5.1 (Oct. 2005) pp. 1–10

Vitti Alfonso, Paolo Zatelli, and **Fabio Zottele**

A GRASS 3D-Vector Module for finding orthogonal Projections of Points on complex Surfaces

Geomatic workbooks 4.1 (Oct. 2004) pp. 1–33