

## PERSONAL INFORMATION

**Matteo Ghetta**

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Gender Male | Date of birth 18 September 1986 | Nationality Italian

## EDUCATION

2014 **Laurea (master) degree cum laude in Environmental Sciences (University of Bologna)**

Title of the thesis: Hydrogeochemical characterization of Seehausen territory - Bremen

2009 **Laurea (bachelor) degree in Foreign Languages (Università di Firenze)**

## WORKING EXPERIENCE

November 2023 **QGIS plugin consultancy**

Willowstick Technologies

September 2023 **Training on the PostgreSQL permission system and on the near-time import of GPS data from a ship**

Next Geosolutions Europe S.p.A.

May 2023 **Analysis with QGIS training**

CNR ISMAR

May 2023 **Advanced QGIS and PostGIS training**

So.ge.D'Or. S.r.l.

April 2023 **Advanced data analysis training with Python**

CNR ISMAR

March 2023 **Study of the development of a python library and QGIS plugin for the batimetric surface modeling**

Next Geosolutions Europe S.p.A.

February 2023 **Advanced GIS consultancy (QGIS, PostGIS, MerginMaps)**

So.ge.D'Or. S.r.l.

February 2023 **Cartography with QGIS training**

Sistema Informativo Nazionale per lo sviluppo dell'agricoltura

January 2023 **Cartography with QGIS training**

Provincia Autonoma di Bolzano, Rip. 21 - Scuola Commercio, Turismo e Servizi

- January 2023 **Hosting and consultancy on the structuring of a PostgreSQL/PostGIS database**  
HPC Italia S.r.l.,
- November 2022 **Analysis with QGIS training**  
Agenzia Mobilità, Ambiente e Territorio del Comune di Milano
- November 2022 **Advanced cartography consultancy with QGIS**  
Studio Tecnico Immobiliare Fenoglio
- October 2022 **Cartography with QGIS training**  
Agenzia Mobilità, Ambiente e Territorio del Comune di Milano
- October 2022 **Advanced QGIS consultancy and training**  
Mario Vasile
- October 2022 – April 2023 **Cartography with QGIS, geodatabase with PostgreSQL and PostGIS and WebGIS with QGIS and Lizmap customized training**  
Consorzio di Bonifica 3 Medio Valdarno
- September 2022 **Cartography with QGIS training**
- July 2022 **Enhancements of the QGIS plugin to manage customized styles and print layouts**  
Cloudtec
- July 2022 **Creation of the QGIS NIPS+ plugin to analyse fiber network with a custom python library**  
Cloudtec
- July 2022 **Cartography and analysis advanced with QGIS**  
Poliservizi S.r.l.
- July 2022 **Backup, setup and hardening of a Debian server with PostgreSQL/PostGIS, QGIS Server and Lizmap. Security best practice implementation**  
Next Geosolutions Europe S.p.A.
- June 2022 **Cartography with QGIS and geodatabase with PostgreSQL and PostGIS training**  
Gestore Servizi Energetici S.p.A.
- June 2022 **Advanced pyqgis and plugin in QGIS training**
- April 2022 **Advanced QGIS, Geodatabase and PyQGIS training**  
Ammagamma | Artificial Intelligence solutions
- April 2022 **Consultancy in QGIS, Input and Database**

Società Incremento Turistico Canazei S.p.A.

- March 2022 **Analysis with QGIS advanced training**
- March 2022 **Advanced QGIS Training**  
Hydro Nova LCC
- February 2022 **Online Cartography training with QGIS**
- February 2022 **QGIS and projection management consultancy**  
Isabella Negroni
- February 2022 **QGIS and projections management consultancy**  
Isabella Negroni
- January 2022 **Installation, configuration and assistance of a complete GIS system with WebGIS and Spatial Database**  
Scuola Superiore Sant'Anna
- January 2022 **Advanced Python data analysis training**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA
- January 2022 **Advanced QGIS analysis training**  
Fondazione Istituto Tecnico Superiore E.A.T.
- January 2022 **QGIS, QField, Input and Mergin, PostgreSQL/PostGIS specialized consultancy**  
Südtiroler Transportstrukturen AG
- January 2022 **GIS specialized consultancy**  
Padania Acque S.p.A.
- January 2022 **Hosting and consultancy on the structuring of a PostgreSQL/PostGIS database**  
HPC Italia S.r.l.,
- December 2021 **Development of a survey on the accessibility features of hotels and accomodations using Input**  
Free Wheels Onlus
- November 2021 **Creation of a QGIS plugin to manage customized styles and print layouts**  
Cloudtec
- November 2021 **QGIS cartography and analysis training**  
Comune di Savignano sul Panaro

- October 2021 **Development of a Plotly Dash platform for the publication of geographical data and analytical plots**  
Hydro Nova LCC
- September 2021 **Development of the QGreenland plugin for QGIS to download geographic data**  
QGreenland - Università di Boulder (Colorado)
- September 2021 **Hosting and setup of a customized WebGIS, synced with an external MariaDB database**  
Food Retail Italia Srl
- September 2021 – June 2022 **PostgreSQL/PostGIS DB development with a QGIS project to use in INPUT and Mergin mobile applications for the Ministry of Water Resources of the Gambia**  
Hydro Nova LCC
- August 2021 **Oracle Spatial DB interaction between QGIS and LizMap**  
Comune di Bolzano
- July 2021 **Google Earth Engine online training**
- June 2021 **QGIS training within the laboratory of precision farming**  
Fondazione Istituto Tecnico Superiore E.A.T.
- June 2021 – March 2022 **AniMove plugin porting for QGIS 3**  
Ente Monti Cimini - Riserva Naturale Regionale Lago di Vico
- May 2021 **QField Training**
- May 2021 **Algorithm development to automatically match linear geometries between electrical and open fiber line layers**  
e-distribuzione S.p.A.
- April 2021 **Geomorphological analysis on islands with Google Earth Engine in Iraq**  
Università degli Studi di Firenze, Facoltà di Architettura
- March 2021 **QGIS training for forestry applications**  
Consorzio Pegaso Network
- March 2021 **Pyqgis training for the GIScience Master**  
Università di Padova, Dipartimento ICEA
- March 2021 **Drupal website with Leaflet maps of climate change in Central Asia**  
Hydro Nova LCC
- March 2021 **Development of a QGIS plugin for the creation of remediation indexes**

D.R.E.A.M.

- February 2021 **Consultancy for the INOPIA plugin of QGIS**  
CNR Istituto di Ricerca sulle Acque
- January 2021 **GIS specialized consultancy**  
Padania Acque S.p.A.
- December 2020 **GeoNode and GeoServer training in the project "CROSSIT SAFER"**  
Regione del Veneto
- December 2020 **QGIS training for public utility**  
Revet S.p.A.
- November 2020 **Faunal consultancy with QGIS**  
Angelo Lasagna
- November 2020 **Base and advanced training in QGIS, QField and LizMap**  
Consorzio della Bonifica Parmense
- November 2020 **pyqgis and plugin training in QGIS**
- November 2020 **Advanced training in QGIS (cartography and analysis)**  
Azienda Ambientale di Pubblico Servizio S.p.A.
- October 2020 **Consultancy and creation of a E-Learning platform (Moodle)**  
Hydro Nova LCC
- September 2020 **Advanced Geodatabase training with and QGISPostgreSQL/PostGIS**
- September 2020 – June 2021 **Complex WebGIS system with metadata and SSL certification**  
Cis S.r.l.
- September 2020 **Advanced QGIS Training focused on forestry application**  
Treedom S.r.l.
- September 2020 **Enhancement of MS SQL Server provider in QGIS**  
I&S Informatica e Servizi S.r.l.
- August 2020 **Realization of the new GIS portal of forestry data for Regione Toscana**  
Regione Toscana, Dipartimento Istruzione e Cultura
- July 2020 **Development of an extension for QGIS Web Client 2 to measure horizontal and vertical distances**  
R3 GIS
- July 2020 **Advanced routing and networking training in QGIS**

Arriva Italia S.r.l. (DB Company)

June 2020 **Online Advanced QGIS training**

June 2020 **Stream analysis (WADI) plugin porting for QGIS 3**

Hydro Nova LCC

June 2020 **Specialistic geomorphological support (DTM, countour lines)**

Antonio Perrone

June 2020 **Advanced digitalization and topological editing training with QGIS**

Comune di Bolzano

June 2020 **Support to webGIS migration, optimization, and customization of a webGIS based on QGIS server and Lizmap**

Next Geosolutions Europe S.p.A.

June 2020 **Consultancy and support in QGIS, QField, WebGIS (LizMap) and Geodatabase (PostGIS)**

Südtiroler Transportstrukturen AG

May 2020 **Advanced QGIS training**

IPLA S.p.A. Laboratorio di Cartografia e Telerilevamento

May 2020 – January 2021 **Personal and fully customized WebGIS with monthly hosting**

Geogrupa (Ltd)

May 2020 **QGIS, PostgreSQL/PostGIS, WebGIS consultancy and creation of an Jinja template to create customized reports**

e-distribuzione S.p.A.

April 2020 **Advanced pyqgis and plugin creation training in QGIS**

Agenzia Regionale per la Protezione dell'Ambiente Veneto

April 2020 **Online QGIS training**

April 2020 **Advanced Python for data science training for the GIScience Master**

Università di Padova, Dipartimento ICEA

March 2020 **Pyqgis training for the GIScience Master**

Università di Padova, Dipartimento ICEA

March 2020 **Enhancements of the plugin QSeismo (download and analysis of seismic data)**

I.N.G.V. Istituto Nazionale di Geofisica e Vulcanologia

March 2020 **QGIS consultancy**

Studio Pandini Srl

February 2020 **Workshop "Le funzionalità nascoste di QGIS"**  
GFOSS.it

February 2020 **Basic QGIS training for Lazio Region**  
Lazio Crea S.P.A.

January 2020 **Python and PyQGIS training**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA

January 2020 **GIS specialized consultancy**  
Padania Acque S.p.A.

January 2020 **QGIS and cartography consultancy**  
Italia Nostra Onlus

December 2019 **Advanced QGIS training**  
Città Metropolitana di Venezia

December 2019 **Basic QGIS training**  
Città Metropolitana di Venezia

December 2019 **Verifying bus stops with QField and creation of a WebGIS portal (Lizmap and PostgreSQL/PostGIS)**  
Südtiroler Transportstrukturen AG

December 2019 – February 2020 **Development of the QGIS QSeismo plugin to download historical seismological data**  
I.N.G.V. Istituto Nazionale di Geofisica e Vulcanologia

November 2019 **Pyqgis and plugin training in QGIS**

October 2019 **Advanced QGIS training**  
Agenzia Regionale per la Protezione Ambientale del Friuli Venezia Giulia

October 2019 **QField and QGIS training**  
Vemar Solutions SRL

October 2019 **Cartography and analysis training with QGIS**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA

October 2019 **Python, pyqgis and plugin training for QGIS**  
Politecnico di Torino - Dipartimento di Ingegneria Strutturale, Edile e Geotecnica

October 2019 **Enhancements for the QGIS plugin PS Time Series**  
Agenzia Regionale per la Protezione Ambientale del Piemonte

- September 2019 **QGIS training**  
Athena Formazione
- August 2019 **Advanced QGIS and CAD training**  
R3 GIS
- July 2019 **QGIS specialized consultancy**  
Università degli Studi di Urbino
- July 2019 **QGIS bugfixing (LTR Legend)**  
Kaplan Open Source
- July 2019 **GIS specialized consultancy**  
Padania Acque S.p.A.
- July 2019 **Image analysis and scripting training in QGIS**  
Città Metropolitana di Venezia
- July 2019 **Advanced QGIS Training**  
ATI Servizi
- June 2019 **QGIS and QField consultancy**  
Comune di Bolzano
- June 2019 **Course of Python and QGIS: pyqgis and python scripting**  
Politecnico di Torino - Dipartimento di Ingegneria Strutturale, Edile e Geotecnica
- June 2019 **Development of many functionalities of DataPlotly plugin in QGIS (crowdfunding)**
- May 2019 **GIS Analysis Training Course with QGIS, Pontedera, Italy**
- April 2019 **Advanced QGIS and pyqgis training, Ljubljana, Slovenia**  
PNZ svetovanje projektiranje d.o.o.
- April 2019 **Cartography Training with QGIS**  
Ordine dei Dottori Agronomi e Dottori Forestali di Pisa, Lucca e Massa-Carrara
- March 2019 **Algorithm to study the noise diffusion of vehicles**  
Ing. Carlo Grassi
- March 2019 **Consultancy and support on cartographic systems based upon open source**  
e-distribuzione S.p.A.
- February 2019 **GIS cartography Training Course with QGIS, Pontedera, Italy**



- February 2019 **Porting of the GarminCustomMap plugin for QGIS 3**  
Norwegian Polar Institute
- November 2018 **Advanced training of QGIS**  
Regione Friuli Venezia Giulia
- November 2018 **Advanced training on GFOSS tools (PostgreSQL, PostGIS, GDAL, PyQGIS)**  
Leithà - Unipol
- November 2018 **Porting of the 3 plugin for QGIS 3**  
Agenzia Regionale per la Protezione Ambientale del Piemonte
- October 2018 **QGIS plugin to implement the biodiversity MedSens index**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA
- October 2018 **Analysis with QGIS 3 course**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA
- October 2018 **pyqgis (QGIS3) script development to extract visible area from a terrain model**  
Lepida S.p.A.
- September 2018 **Advanced training of QGIS**  
Regione Friuli Venezia Giulia
- August 2018 **3D development for QGIS 3**  
Politecnico di Torino - Dipartimento di Ingegneria dell'Ambiente, del Territorio e delle Infrastrutture (DIATI)
- June 2018 **Course of Python and QGIS: pyqgis and plugin**
- May 2018 **Bug fixing of QProto script for QGIS 2 and porting of the script as a standalone plugin for QGIS 3**  
Politecnico di Torino - Dipartimento di Ingegneria Strutturale, Edile e Geotecnica
- May 2018 **QGIS training course for Sierra Leone Water Company**  
Hydro Nova LCC
- May 2018 **GIS Analysis Training Course with QGIS, Pontedera, Italy**
- February 2018 **Update to QGIS 3 training, Pontedera, Italy**
- February 2018 **GIS cartography Training Course with QGIS, Pontedera, Italy**
- January 2018 **Training for raster data in QGIS**  
Regione Piemonte

- November 2017 **Introduction in QGIS training, PostGIS and WebGIS**  
EAmbiente
- November 2017 **Advanced QGIS analysis training and introduction to plugin scripting**  
Lepida S.p.A.
- October 2017 **GIS Analysis Training Course with QGIS, Pontedera, Italy**
- October 2017 – October 2018 **Development of core components for QGIS 3**  
Agenzia Regionale per la Protezione Ambientale del Piemonte
- October 2017 **Course on Analysis with QGIS**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA
- October 2017 **Raster data consultancy, resizing and resampling**  
Ing. Carlo Grassi
- April 2017 – April 2018 **Processing documentation enhancements funded as a Grant Proposal**  
QGIS.ORG International Association
- December 2016 – February 2017 **Automatic test creation for Processing plugin in QGIS**  
Gruppo Utenti Italiani di QGIS
- October 2016 **Analysis with QGIS course**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA
- October 2015 **Analysis with QGIS course**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA
- June 2015 – September 2017 **FREEWAT plugin development for QGIS**  
Scuola Superiore Sant'Anna
- March 2015 **Geochemical data analysis: statistical analysis and map production**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA
- October 2014 **Analysis with QGIS course**  
Università di Bologna, Dipartimento Scienze Biologiche, Geologiche e Ambientali - BiGeA
- November 2013 – January 2014 **Customization of QGIS as a Health mapping tool**  
World Health Organization

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**PERSONAL SKILLS**

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	C1	C1	C1	C1	C1
German	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user  
[Common European Framework of Reference for Languages](#)

SEMINARS & CONFERENCES

- 2023 Participation at the GeodaysIT 2023 with the talk "Faunalia Toolkit QGIS plugin"
- 2023 Participation at the GeodaysIT 2023 with the workshop "QGIS in campo con Mergin Maps"
- 2022 Participation at the conference Technology for all with the talk "QGIS in campo con QField"
- 2022 Participation to the Florence FOSS4G with a talk " Dataviz in QGIS and on the web"
- 2022 Participation to the XXIV User Contributors Meeting, Florence, Italy
- 2022 DataPlotly plugin workshop during the 14th QGIS Swiss user group meeting
- 2020 Participation at the SFScon conference with the talk "DataPlotly: interactive plots in QGIS, a crowdfunding story"
- 2020 Participation in 5th Italian QGIS Hackfest in Turin
- 2020 Participation at the Italian FOSS4G with the talk: "DataPlotly: grafici interattivi e dinamici, un esempio di successo di crowdfunding"
- 2019 Florence QGIS Day organization
- 2019 Talk during the conference of the DESK project
- 2019 Participation at QGIS Summer Camp
- 2019 Talk "QGIS, a perspective" during the Time in Space conference (Pisa)
- 2019 Participation in QGIS HackFest XXI (A Coruña, Spain)
- 2019 Talk "D3 Plots With DataPlotly Plugin for QGIS" during the international QGIS user conference
- 2019 Participation in 4th Italian QGIS hackfest. Padova (Italy)
- 2019 Talk on "The development of QGIS, who pays?" at FOSS4G-IT 2019 - Padova
- 2018 Participation in 3rd Italian QGIS hackfest. Viterbo (Italy)
- 2018 Participation at INPUT 2018 conference with two talks. Viterbo (Italy)
- 2018 Participation in QGIS hackfest XX (Stone Town, Zanzibar, Tanzania)
- 2018 Workshop "PyQGIS and QGIS 3" at the meeting GIT 2018 - Sarzana

- 2018 Participation in QGIS hackfest XIX (Funchal, Madeira, Portugal)
- 2018 Talk on "QGIS 3: news and development" at FOSS4G-IT 2018. Rome (Italy)
- 2018 Workshop "Introduction to QGIS3" at the meeting FOSS4G-IT 2018. Rome (Italy)
- 2017 Participation in 2nd Italian QGIS hackfest (Padova)
- 2017 Participation in QGIS hackfest XVIII (Nodebo, Denmark)
- 2017 Participation in 1st Italian QGIS hackfest. Bologna (Italy)
- 2017 Talk on "Il plugin FREEWAT per QGIS per la gestione sostenibile delle risorse idriche superficiali e sotterranee" at FOSS4G-IT 2017 - Genova
- 2015 Participation in QGIS hackfest XIII (Nodebo, Denmark)
- 2014 Matteo Ghetta, Paolo Cavallini - "New translation infrastructure for QGIS: Transifex" at GFOSS Day 2014, Ancona (Italy)
- 2014 Participation in QGIS hackfest XII (Essen, Germany)
- 2013 Matteo Ghetta, Paolo Cavallini - "Help yourself: modi alternativi per contribuire a QGIS" at GFOSS Day 2013, Bologna (Italy)
- 2013 Participation in QGIS hackfest X (Brighton, UK)

#### SCIENTIFIC PUBLICATIONS

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**Locati Mario, Vallone Roberto, Ghetta Matteo, Dawson Nyal** 2021 QQuake, a QGIS Plugin for Loading Seismological Data From Web Services *Frontiers in Earth Science*

**Turicchia E, Cerrano C, Ghetta M, Abbiati M, Ponti M** 2020 MedSens index: The bridge between marine citizen science and coastal management *Ecological Indicators*

**Borsi I., Rossetto R., Cannata M., De Filippis G., and Ghetta M.** 2016 Open Source for Water Management: including capabilities of MODFLOW-OWHM in the FREEWAT GIS modelling environment *PeerJ Preprints*

#### POPULAR AND TECHNICAL PAPERS

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**Cavallini P., Ghetta M., Cavallini U.** 2022 From the field to the clouds: data collection and publication with QGIS *Geomedica 2022/03: 06-11*

**Turicchia, E., Cerrano, C., Ghetta, M., Abbiati, M., Ponti, M.** 2018 From collecting data to the development of marine environmental status monitoring tools: The new level of Citizen Science *53rd European Marine Biology Symposium*

**De Filippis, G., Borsi, I., Ghetta, M., & Rossetto, R.** 2017 The FREEWAT platform for the assessment of water availability and quality *Acque Sotterranee-Italian Journal of Groundwater, 6(3)*

#### CONFERENCE ABSTRACTS

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**Ghetta M., Puddu G., Cavallini P.** 2022 Animate: a free and open source framework for the analysis of animal movements with QGIS *XII Congresso di Teriologia*

**De Filippis G., Rizzo D., Triana F., Ghetta M., Borsi I., Bonari E., and R. Rossetto** 2016 ICT tools for enhancing sustainable water management in rural environment *European Society for Agronomy (ESA), Edinburgh*

**De Filippis G., Triana F., Ghetta M., Borsi I., Bonari E., and R. Rossetto** 2016 Enhancing water resource management in rural areas by means of simulation tools *43rd IAH CONGRESS, Montpellier*

**Šimek J., Boukalová Z., Rossetto R., Sabbatini T., Triana F., Ghetta M., Bonari E. De Filippis G., Borsi I., Foglia L., and M. Cannata** 2016 Enhancing participatory approach in water resources management: development of a survey to evaluate stakeholders needs and priorities related to software capabilities *AGU Fall Meeting 2016, San Francisco*

#### PROFESSIONAL AFFILIATIONS

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2019 - 2023 QGIS coordinator of the documentation team

2016 - 2023 Co-Founder of the Italian QGIS User Group

2014 - 2023 GFOSS.it - Associazione Italiana per l'Informazione Geografica Libera - Geographic Free/Open-Source Software. Socio