

#### Curriculum vitae

# PERSONAL INFORMATION Mattee Ghetta Via Dante 4, 39031 Brunico (BZ) matteo.ghetta@faunalia.eu www.faunalia.eu Google Talk matteo.ghetta 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 September 2025 Cartography and analysis training with QGIS Regione Toscana July 2025 Training on the online Groundwater Database Management System for Transboundary Aquifers in the Nile Basin Hydro Nova LCC Development of a QGIS plugin for the automatic update of styles from March 2025 a PostgreSQL database Consorzio di Bonifica 3 Medio Valdarno January 2025 Cartography and analysis training with QGIS Comune di Bibbiena Development of a QGIS plugin for layer synchronization with ssh proto-January 2025 col Hyperion Systems Engineering Ltd Development of a QGIS plugin to automatically generate optimal lines January 2025 for surveys at sea Hyperion Systems Engineering Ltd January 2025 Custom QGIS algorithms development for the post processing of data

January 2025 Development of a custom QGIS plugin to calculate and certify public lighting data

UL International Italia S.r.l.

collected on the field

Groma SC

euro*pass* Matteo Ghetta Curriculum vitae Development of a QGIS plugin to manage vector data September 2024 GeoMath August 2024 QGIS consultancy IRCI S.p.A. August 2024 QGIS consultancy Di Carlo Holding s.r.l. August 2024 QGIS and print layout consultancy for a water mapping project Acquedotto del Carso July 2024 Installation and configuration of a WebGIS (QGIS + LizMap). Management of the interoperability between national databases. Development of a QGIS plugin to manage cadastre data Comune Senigallia April 2024 Development of an online Groundwater Database Management System for Transboundary Aquifers in the Nile Basin Hydro Nova LCC February 2024 Cartography Training with QGIS Rete Ferroviaria Italiana February 2024 Professional consultancy for waste water project in QGIS and QField Iris Acqua S.p.A. January 2024 Pyggis and plugin training in QGIS Alessandro Rossi January 2024 Hosting and consultancy on the structuring of a PostgreSQL/PostGIS database HPC Italia S.r.I., Enhancements for the QGIS plugin PS Time Series January 2024 Agenzia Regionale per la Protezione Ambientale del Piemonte Development of a QGIS plugin to manage drone data December 2023 – February 2024

Italdron Air Service srl

December 2023 Pyggis and plugin training in QGIS

CNR ISMAR

December 2023 Cartography with QGIS training

Istituto centrale per l'archeologia - Direzione generale Archeologia, belle arti e paesaggio

November 2023 QGIS plugin consultancy

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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.

June 2023 – December 2024 Addition of the Sensor Of Things provider in QGIS core

Bureau de Recherches Géologiques et Minières (BRGM)

May 2023 Analysis with QGIS training

**CNR ISMAR** 

May 2023 Advanced QGIS and PostGIS training

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

April 2023 Advanced data analysis training with Python

**CNR ISMAR** 

March 2023 Porting of the WebSIT based on Oracle Spatial to PostgreSQL/PostGIS,

QGIS and LizMap
Comune di Foligno

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

February 2023 – December 2024 Migration of the existing data and functionalities to open source GIS

software, development of custom functionalities, core Lizmap develop-

ment

ETRA S.p.A. Società benefit

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

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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 cus-

tom 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 Post-

greSQL/PostGIS, QGIS Server and Lizmap. Security best practice im-

plementation

Next Geosolutions Europe S.p.A.

June 2022 Cartography with QGIS and geodatabase with PostgreSQL and Post-

GIS training

Gestore Servizi Energetici S.p.A.

June 2022 Advanced pyggis 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 projections management consultancy Isabella Negroni February 2022 QGIS and projection 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.I., Development of a survey on the accessibility features of hotels and December 2021 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 Development of a Plotly Dash platform for the publication of geographi-October 2021 cal data and analytical plots Hydro Nova LCC September 2021

Development of the QGreenland plugin for QGIS to download geographic data

graphic data

QGreenland - Università di Boulder (Colorado)



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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 Re-

sources of the Gambia

Hydro Nova LCC

September 2021 Hosting and setup of a customized WebGIS, synced with an external

MariaDB database

Food Retail Italia Srl

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 developmento to automatically match linear geometries be-

tween 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 Pyggis traning for the GIScience Master

Università di Padova, Dipartimento ICEA

March 2021 Development of a QGIS plugin for the creation of remediation indexes

D.R.E.A.M.

March 2021 Drupal website with Leaflet maps of climate change in Central Asia

Hydro Nova LCC

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 1&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)

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Antonio Perrone

June 2020 Advanced digitalization and topological editing training with QGIS

Comune di Bolzano

June 2020 Consultancy and support in QGIS, QField, WebGIS (LizMap) and Geo-

database (PostGIS)

Südtiroler Transportstrukturen AG

June 2020 Support to webGIS migration, optimization, and customization of a we-

bGIS based on QGIS server and Lizmap

Next Geosolutions Europe S.p.A.

May 2020 Advanced QGIS training

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

May 2020 – December 2022 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 pyggis 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 traning for the GIScience Master

Università di Padova, Dipartimento ICEA

March 2020 Pyqgis traning for the GIScience Master

Università di Padova, Dipartimento ICEA

March 2020 Enhancements of the plugin QSeismo (download and analysis of seis-

mical 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.

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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 – February 2020 Development of the QGIS QSeismo plugin to download historical seis-

mological data

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

December 2019 Verifying bus stops with QField and creation of a WebGIS portal

(Lizmap and PostgreSQL/PostGIS)

Südtiroler Transportstrukturen AG

November 2019 Pyggis 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 Enhancements for the QGIS plugin PS Time Series

Agenzia Regionale per la Protezione Ambientale del Piemonte

October 2019 Python, pyggis and plugin training for QGIS

Politecnico di Torino - Dipartimento di Ingegneria Strutturale, Edile e Geotecnica

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 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 – September 2020 Installation and consultancy of a complex WebGIS platform in an Open

Source framework

Cis S.r.l.

June 2019 QGIS and QField consultancy

Comune di Bolzano

June 2019 Course of Python and QGIS: pyggis 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 pyggis 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 pyggis (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: pyggis and plugin May 2018 QGIS training course for Sierra Leone Water Company Hydro Nova LCC 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 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** 

Lepida S.p.A.

November 2017 Advanced QGIS analysis training and introduction to plugin scripting

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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

PERSONAL SKILLS

Mother tongue Italian

Other languages

3	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
1	C1	C1	C1	C1	C1
1	C1	C1	C1	C1	C1
1	B2	B2	B2	B2	B2

English Spanish German

> 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 \_

2024	Participation to the Italian FOSS4G with the talk: "Servizio idrico integrato: storia di una mi- grazione a GIS libero"
2024	Participation at the SFScon conference with the talk "Sensor Things API QGIS core provider"
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)



Workshop "Introduction to QGIS3" at the meeting FOSS4G-IT 2018. Rome (Italy)
Participation in 2nd Italian QGIS hackfest (Padova)
Participation in QGIS hackfest XVIIi (Nodebo, Denmark)
Participation in 1st Italian QGIS hackfest. Bologna (Italy)
Talk on "II plugin FREEWAT per QGIS per la gestione sostenibile delle risorse idriche superficiali e sotterranee" at FOSS4G-IT 2017 - Genova
Participation in QGIS hackfest XIII (Nodebo, Denmark)
Matteo Ghetta, Paolo Cavallini - "New translation infrastructure for QGIS: Transifex" at GFOSS Day 2014, Ancona (Italy)
Participation in QGIS hackfest XII (Essen, Germany)

2013 Matteo Ghetta, Paolo Cavallini - "Help yourself: modi alternativi per contribuire a QGIS" at

2013 Participation in QGIS hackfest X (Brighton, UK)

GFOSS Day 2013, Bologna (Italy)

### SCIENTIFIC PUBLICATIONS

**Locati Mario, Vallone Roberto, Ghetta Matteo, Dawson Nyall** 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

Cavallini P., Ghetta M., Cavallini U. 2022 From the field to the clouds: data collection and publication with QGIS *Geomedia 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**

**Ghetta M., Puddu G., Cavallini P.** 2022 Animove: 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

2019 - 2025 QGIS coordinator of the documentation team

2016 - 2025 Co-Founder of the Italian QGIS User Group

2014 - 2025 GFOSS.it - Associazione Italiana per l'Informazione Geografica Libera - Geographic Free/Open-Source Software. Socio