

SCIENTIFIC AND PROFESSIONAL CURRICULUM

1. PERSONAL INFORMATION

Giacomo Alessandro Gerosa
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Sex: Male; Citizenship: Italian

2. EDUCATION AND TRAINING

- 1983 Bachelor in Computer Science, State Technical Highschool ITIS "P. Paleocapa", Bergamo (I)
- 1992 Bachelor in Primary Teaching, Istituto Magistrale "Secco Suardo", Bergamo (I)
- 1997 Master Degree in Environmental Sciences, University of Milan (I), full marks cum laude.
Experimental thesis on tropospheric ozone in two Alpine valleys: air quality monitoring and multivariate statistics to detect advection processes.
- 2003 PhD in Agricultural Ecology. University of Milan (I), full marks and mention.
Experimental thesis on ozone deposition in different agricultural ecosystems: micrometeorological measurements of vertical fluxes and development of a dry deposition model with included ecophysiological processes.

3. SCIENTIFIC QUALIFICATIONS

- 2014 National Scientific Qualification (ASN) as Associate Professor of Physics of the Earth System (FIS/06)
- 2014 National Scientific Qualification (ASN) as Associate Professor of Ecology (BIO/07)
- 2014 National Scientific Qualification (ASN) as Associate Professor of Agricultural Chemistry (AGR/13)
- 2018 National Scientific Qualification (ASN) as Full Professor of Physics of the Earth System (FIS/06)

4. MAIN WORK EXPERIENCES

- 1984-1999 High school teacher of "Lab. of Industrial Computer Science", Istituto Tecnico Industriale Statale "P. Paleocapa", Bergamo (I)
- 2000-2004 High school teacher of "Natural Sciences, Chemistry, Geography and Microbiology", Istituto Professionale Statale per l'Industria e l'Artigianato "Betty Ambiveri", Ponte S. Pietro, BG (I)
- 2004-2006 High school teacher of "Natural Sciences, Chemistry, Geography and Microbiology", Liceo Scientifico statale "Maironi da Ponte", Presezzo, BG (I)
- 2006-2014 University Researcher of AGR/13 - Agricultural Chemistry, Catholic University of the S.H., Brescia (I)

Research topics: characterization of the exchange processes between atmosphere and biosphere, effects of airborne pollutants on vegetation, risk assessment for agricultural and forest vegetation, biomass re-use and renewable energies.

Disciplines covered: Atmospheric Physics & Chemistry, Micrometeorology, Environmental Chemistry, Ecology, Plant Physiology, Toxicology, Agronomy, Statistics and Geostatistics, Mathematical Models and Computer Science.

2015-present Associate professor of FIS/06 - Physics of the Earth System
Catholic University of the Sacred Heart in Brescia (Italy),
Research topics: boundary-layer meteorology, atmosphere-biosphere exchange dynamics of particles and gases in climate change scenarios, unreactive and reactive GHG flux measurement techniques, characterization of carbon sinks and sources in natural ecosystems and crops, coupled land-atmosphere models, airborne pollutants in rural and mountain areas, atmospheric impact of biomass burning, source apportionment, indoor air pollution, risk assessment for vegetation
Disciplines covered: Micrometeorology, Atmospheric Physics & Chemistry, Atmospheric Chemistry, Agriculture and Forest Meteorology, Environmental Physics and Measurements, Ecophysiology, Statistics and Geostatistics, Mathematical Models.

5. DIDACTIC ACTIVITY

5.1 Undergraduate Courses at the Catholic University of the S. H., Brescia

2015-present	Atmospheric Physics,	Degree in Mathematics
2015-present	Micrometeorology,	Master Degree in Physics
2015-present	Pollution Control,	Master Degree in Physics
2018-present	Ecology,	Master Degree in Physics
2018-2020	Measurements and Models for the Environ.,	Master Degree in Physics
2017	Ecology and Biology,	Degree in Mathematics
2006-2016	Ecology,	Degree in Environmental Sciences
2011-2014	Meteorology and Micrometeorology,	Master Degree in Physics
2011-2012	Chemistry,	Degree in Physics
2006-2010	Biology,	Degree in Environmental Sciences
2007	Ecology and Ecotoxicology,	Degree in Environmental Sciences
2007	Pollution Control II,	Degree in Environmental Sciences
2007	Chemistry and waste,	European IFTS Course n. 344975
2006	Ecol. applied to energy production processes,	European IFTS Course n. 308832
2006	Pollution control and ecotoxicology II,	Degree in Environmental Sciences
2005	Pollution control and ecotoxicology I,	Degree in Environmental Sciences

2003-2004	Environmental pollution,	Degree in Environmental Sciences
2004	Ecotoxicology,	Degree in Environmental Sciences
2003	Ecology and Applied Ecology	European IFTS Course n. 163917

5.2 Undergraduate Courses at other Universities

2011-2013	Ecology,	Degree in Prevention techniques in the natural and work Environments (State) University of Brescia
2010-2011	Ecology and environmental biotechnology,	Degree in Biotechnology (State) University of Brescia
2010	Biology,	Degree in Nursery Sciences (State) University of Brescia
2002	Meteorology and Climatology	European FSE course n. 2313 University of Milan
2002	Environmental Module 1	European FSE course n. 2313 University of Milan
1998	Classification of air pollutants,	European FSE course n. 940030/1/3 University of Milan

5.3 Graduate Courses at the Catholic University of the S. H., Brescia

2015	Didactic of Physical, Chemical and Biological Sciences in the secondary school,	TFA, National habilitation course for Secondary School Teachers
2014	Didactic of Sciences in the secondary school,	PAS, Special habilitation course for Teachers
2013	Environmental management III,	II level Master, Alta Scuola Impresa&Soc.tà
2012	Climate Change and Air Quality,	II level Master, Alta Scuola per l'Ambiente
2011-2012	Principles of Ecology,	II level Master, Alta Scuola per l'Ambiente
2010	Natural Systems and Biodiversity,	II level Master, Alta Scuola per l'Ambiente
2009-2010	Air Quality,	II level Master, Alta Scuola per l'Ambiente
2009	Biology and Ecology,	II level Master, Alta Scuola per l'Ambiente

5.4 Graduate Courses at other Universities

2011	Air Quality: monitoring and control policies,	II level Master in "Environ. Assessment and Integrated Management in Urban Area, Tongji University, Shanghai (China)
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5.5 Visiting professorship

2013, 2018	Universidad de Navarra, Pamplona, Spain Visiting professor of Environmental Chemistry & Physics
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5.6 Membership of PhD Schools faculties

- 2018-present Member of the Faculty of the PhD School of EARTHQUAKES AND ENVIRONMENTAL HAZARDS, University of Chieti (I); accredited by the Italian Ministry MIUR, DOT1753918, XXXIV, XXXV, XXXVI and XXXVII cycle.
- 2016-2017 Member of the Faculty of the International PhD School of SCIENCE among the Catholic University of Brescia (I), the Katoelieke Univestiteit of Leuven (B), the Notre Dame University (USA), The Pontificia Universidad de Santiago (Chile); accredited by the Italian Ministry MIUR, DOT1657902, XXXII and XXXIII cycle.

5.7 Teachings and Seminars at PhD Schools

- 2021 Course: "Introduction to air quality and Climate change research". PhD course Earthquakes and Environmental Hazard, University of Chieti (I)
- 2021 Course: "Quantifying the impacts of Climate Change". PhD course Earthquakes and Environmental Hazard, University of Chieti (I)
- 2018 Seminar: "The atmospheric research for outdoor and indoor air pollution at the Catholic University of the Sacred Heart at Brescia". PhD course Earthquakes and Environmental Hazard, University of Chieti (I), 01/02/2018
- 2017 Seminar: "An overview on the environmental physics research at the Catholic University of Brescia". International PhD School of Science, Katoelieke Univestiteit of Leuven (B), 27/03/2017
- 2016 Seminar: "The negative effects of an ubiquitous photooxidant on crops: ozone risk assessment on food security in Europe". PhD course "Agriculture, Environment and Agroenergy", University of Milan, 27/06/2016
- 2009 Course: "Environmental Statistics", PhD course of "Plant biology", University of Florence

5.8 Supervisorship of Degree, Master Degree and PhD thesis

- Supervisor of 2 PhD Thesis at the PhD School of Science, Catholic University of the S.H., Brescia
- Supervisor of 1 PhD Thesis at the PhD in Vegetal Biol. and Product. of the Cultiv. Plants, University of Milan
- Supervisor of 1 PhD Thesis at the PhD in Civil, Environ. & Mech. Engineering, University of Trento
- Supervisor of more than 30 Master Degree thesis in Physics
- Supervisor of more than 10 Master Degree thesis in Mathematics
- Supervisor of more than 10 Degree thesis in Mathematics
- Supervisor of more than 10 Degree thesis in Environmental Sciences

6. ACADEMIC ACTIVITY

6.1 Membership of the Examination Board of the final thesis dissertation at PhD Schools

- 2021 PhD in Mechanical and Industrial Engineering, XXXII and XXXIII cycles, University of Brescia (I)
- 2020 PhD in Biology, XXXII cycle, University of Napoli Federico II (I)
- 2017 PhD in Agricultural and Environmental Sciences, XXVIII and XXIX cycles, University of Florence (I)
- 2015 PhD in Environmental Sciences, XXVII cycle, University of Milan-Bicocca (I)
- 2015 PhD School of Science, Engineering and Environment, Université Paris Est (F)

6.2 Membership of the Examination Board of Public Competitions for Researcher positions

Member of the Examination Board of 8 Competitions for a Research position of Atmospheric Physics (FIS/06) at Italian Universities

Member of the Examination Board of 2 Competitions for a Research position of Agricultural Chemistry (AGR/13) at Italian Universities

Member of the Examination Board of 3 Competitions for the attribution of Research Grants of Atmospheric Physics (FIS/06) at Italian Universities

Member of the Examination Board of 2 EU Competitions MSCA (Marie Skłodowska-Curie) for the attribution of Individual Research Grants on Atmospheric Physics and Environment research projects

Member of the Examination Board of 2 Belgian Competitions FNSR (Fund for Scientific Research) for the attribution of Research Grants on Environment research projects

Member of the Examination Board of 1 French Competitions AgSK+(Agreen Skills plus-Pathways for Inventive Researchers) for the attribution of Research Grants on Atmospheric Physics and Environment research projects

Member of the Examination Board of 2 USA-Israel Competitions BARD (Agricultural Research and Development Fund) for the attribution of Individual Research Grants on Agriculture and Environment research projects

Referee for 2 Italian FISR (Integrative Special Fund for the Research) for Atmospheric and Environmental Projects

6.3 Other Management tasks

Member of the Parithetic commission of the Catholic University of the S.H., Brescia

Member of the Evaluation Committee for the funds attribution to internal research project of the Catholic University of the S.H., Brescia

7. SCIENTIFIC ACTIVITY

7.1 Research projects obtained on a competitive basis

- 2018-2021 BB-CLEAN - Strategic tools toward a sustainable use of biomass for low carbon domestic heating,
EU Project, Interreg Alpine-Space, AS620
<https://www.alpine-space.eu/projects/bb-clean/en/home>,
Project Leader, Scientific Responsible
- 2019-2020 PARTIFOR - Particle emission/deposition from European broadleaved forests under changing climate,
Project selected for the Italian 5x1000 to the research,
<https://progetti.unicatt.it/progetti-ateneo-progetti-in-corso-progetto-partifor>,
Project Leader, Scientific Responsible
- 2016-2019 ANAPNOI - Well Breathing to Well Ageing,
Projects of Primary interest among the 5 Italian seats of the Catholic University of S.H.,
<https://progetti.unicatt.it/progetti-brescia-anapnoi-home>,
Project Leader, Scientific Responsible
- 2015-2019 ACTRIS-2 - Aerosol, Clouds and Trace gases Research Infrastructure Network
EU Project, Horizon 2020, H2020-INFRAIA 654109
<http://actris2.nilu.no/>
Associated Researcher
Scientific Responsible of the Associated Partner Unit UNICATT
- 2013-2016 TRECITY - Planning the green city in the global change era: urban tree functions and suitability for predicted future climates,
IT Project of Significant National Interest (PRIN 2010-2011),
<http://treecity.agr.unipi.it>,
WP leader
Scientific Responsible of Research Unit
- 2011-2015 ECLAIRE - Effects of Climate Change on air pollution impacts and response strategies for European ecosystems,
EU Project, 7th Framework Program FP7 ENV-2011-6.1.1, 282910
<http://www.eclaire.ceh.ac.uk/>,
Responsible of the ECLAIRE Joint Measuring Campaign
Scientific Responsible of Research Unit
- 2011-2015 ACTRIS - Aerosols, Clouds, and Trace gases Research Infrastructure Network
EU Project, 7th Framework Program FP7 INFRASTRUCTURES, 262254
<https://cordis.europa.eu/project/id/262254/it>
Associated Researcher
Responsible of the TNA FOSE (Transnational Activity "Fast-Ozone intercomparison")
- 2010-2014 ACCENT PLUS - Atmospheric Composition Change: the European Network-Policy Support and Science
EU Project, 7th Framework Program FP7 ENVIRONMENT, 265119
<https://cordis.europa.eu/project/id/265119/it>

Associated Researcher
Scientific Responsible of the Associated Unit UNICATT

- 2009-2012 MANFRED - Management strategies to adapt Alpine Space forests to climate change risks, EU Project, Interreg IIIb-Alpine Space, 9-2-3-DE, <http://www.alpine-space.org/2007-2013/projects/projects/detail/MANFRED/show/index.html>, WP leader, Scientific Responsible of Research Unit
- 2004-2009 ACCENT - Atmospheric composition change: the European network of excellence EU Project, 6th Framework Program FP6 NOE – Progr. Struct. ERA Associated Researcher to the BIATEX task (Biosphere-ATmosphere EXchange) at the VOCBAS Joint Campaign Scientific Responsible of the Associated Unit UNICATT
- 2004-2006 OZONEFLUX - Measuring and modeling of ozone flux in Evergreen Mediterranean stands of the EU Intensive Monitoring of Forest Ecosystems (Level II) an approach at different intensity levels, EU Project, FP5 Forest Focus n. 2152/2003 Aggregated Researcher
- 2005-2006 PRIN2004 - Level II risk assessment of Mediterranean vegetation exposed to ozone. Experimental analyses under field and controlled laboratory conditions, measurements and modelling of ozone fluxes, IT Project of Significant National Interest (PRIN 2004), Researcher
- 2001-2004 OZONIT - Ozone fluxes and their effects on vegetation, IT Project of Significant National Interest (PRIN 2001), Researcher

7.2 Research projects on direct assignment (contract projects)

- 2012-2021 FORFLUX - Long Term Measurement of Carbon Dioxide and Ozone Exchange in Forest Ecosystems
Project financed by the Catholic University of the S.H.,
Project Leader, Scientific Responsible
- 2017-2019 NANOPART – Characterization of the fine and ultrafine particles in the Brescia city and district
Project financed by RAMET Ltd. - Societa' consortile per le Ricerche Ambientali per la Metallurgia, Brescia (I)
Project Leader, Scientific Responsible
- 2015-2016 INDUSTYPART 2 – Receptor modeling and air quality in the Brescia District
Project financed to Ecometrics Ltd. by RAMET Ltd. - Societa' consortile per le Ricerche Ambientali per la Metallurgia, Brescia (I)
Project Leader, Scientific Responsible

- 2014-2015 AQ BOSNIA – Air Quality Monitoring with passive samplers in Bosnia and Herzegovina
Project financed to Ecometrics Ltd. by UNEP-UN Environmental Programme, Vienna (A)
Project Leader, Scientific Responsible
- 2013-2014 INDUSTRYPART – Receptor modeling for air quality study applied to industrial emissions
Project financed to Ecometrics Ltd. by CSEAB Ltd. - Società Consortile per le Ricerche
Applicate all’Ambiente ed alle Energie Rinnovabili, Brescia (I)
Project Leader, Scientific Responsible
- 2012-2013 MALPENSA - Air Quality at the SICs of the Malpensa Area
Project financed by the Regional Park "Parco Ticino Lombardo"
Project Leader, Scientific Responsible
- 2012-2013 PEC-VALLE TROMPIA - Definition and application of methodologies for the characterisation
of risks, the provision of emergency operating procedures and the preparation of the
emergency plan for the 18 municipalities of Valle Trompia (BS).
Project financed by the Mountain Community Valle Trompia,
Project Leader, Scientific Responsible
- 2010-2013 AGRICO2LTURA - Assessment of different techniques for the carbon incorporation in
agricultural soils and for the reduction of CO2 emissions in agriculture.
Project financed by the Lombardy Region & Regional Agency for Services at Agriculture and
Forests (ERSAF)
WP leader,
Scientific Responsible of Research Unit
- 2010-2012 SHARE-STELVIO - Station at High Altitude for Research on the Environment.
Project financed by the Lombardy Region, Lombardy Foundation for the Environ. (FLA) and
Ev-K2-CNR.
Scientific Responsible of Research Unit
- 2010-2011 OZONE EFFORT - Study of the levels and effects of ozone on the Trentino forests
Project financed by the Autonomous Province of Trento
Scientific Responsible of Research Unit
- 2009-2011 TICINO - Research on air quality in the Regional Park "Ticino Lombardo"
Project financed by the Regional Park "Parco Ticino Lombardo"
Project Leader, Scientific Responsible
- 2000-2010 CONECOFOR - Forest ecosystems monitoring
Project financed by the Italian Ministry of the Agriculture and Forests (MIPAF)
Researcher for the Research Unit of the University of Florence
- 2010 CARSIS - Role of soils and ecosystems agro-forestry in the Lombardy region in the mitigation
of climate change: optimization of their capacity for absorbing greenhouse gases and
storing carbon.
Project financed by the Lombardy Region & Lombardy Foundation for the Environ. (FLA)
Scientific Responsible of Research Unit
- 2010 LAVAZZE’ – An ozone flux deposition model for the CONECOFOR forest site Passo Lavazzé.
Project financed by FEM, the Edmund Mach Foundation of S. Michele all’Adige (TN)
Scientific Responsible of Research Unit

- 2008-2009 VAS PRGR UMBRIA – Strategic Environmental Assessment of the Regional Waste Management Plan of the Umbria Region. LCA and models for the impacts on the different environmental compartments.
Project financed by the Umbria Region
Scientific Responsible of Research Unit
- 2005-2007 INFOGESO – Ozone Influence on the Sustainable Management of the agriculture and forest system of the Lombardy Region.
Project financed by the Lombardy Region, PSR 2004
Scientific Responsible of Research Unit
- 2004-2007 TAP – Effects of transboundary ozone pollution on vegetation of the transalpine area between Lombardy and Tessin.
Project financed by the Lombardy Region & Lombardy Foundation for the Environ. (FLA)
Responsible of the experimental station at Curno (BG)
Researcher
- 2004-2007 KYOTO LOMBARDIA– Progetto Kyoto Lombardia
Project financed by the Lombardy Region & Lombardy Foundation for the Environ. (FLA)
Researcher
- 2004-2005 OZONIT II – Flux based approaches to assess the ozone risk for Italian vegetation
Project financed by the Italian Ministry of the Environment and Territory Protect. (MATT), Directorate on Atmospheric Pollution, Industrial Risks and Environ. Impact Assessment
WP leader
Researcher
- 2002 SEVESO - TCDD residues in the soils of the ICMESA accident area.
Project financed by the Lombardy Region & Lombardy Foundation for the Environ. (FLA)
Researcher
- 1999-2000 PRQA- Air quality restoration plan of the Lombardy Region
Project financed by the Lombardy Region & Lombardy Foundation for the Environ. (FLA)
WP Leader
Researcher
- 1997-1999 VALTELLINA – Transport of air pollutants from the Po’ Valley to the Valtellina.
Project financed by the Lombardy Region & Lombardy Foundation for the Environ. (FLA)
Researcher
- 1999 ORIO - Risk assessment for vegetation at the new airport of Bergamo Orio Al Serio.
Project financed by the Regional Agency for Services at Agriculture and Forests (ERSAF)
Researcher

7.3 Scientific responsibilities

- 2021-present ICOS – Integrated Carbon Observation System
Ecosystem Station ES_IT-BFt Associated site, Bosco Fontana, Marmirolo (MN)
<https://www.icos-cp.eu/>
Responsible and PI of the IT-BFt research station since 2021
Responsible of the Local Joint Research Unit JRU-ICOS-IT since 2016
Scientific Director of the MFBF - Micrometeorological Facility of Bosco Fontana since 2012

- 2015-present EPElab – Environmental Physics and Ecophysiology Lab
Catholic University of the S.H., via Garzetta 48, Brescia
Lab Responsible
Scientific Director
- 2014-present CAPERMED - Committee on Air Pollution Effects Research on Mediterranean Ecosystems
Member of the Committee,
Referent for the Catholic University of the S. H.
- 2002-present UN/ECE Convention on Long-Range Transboundary Air Pollution (CLRTAP) - Working Group
on Effects (WGE) - ICP Vegetation
Centre for Ecology and Hydrology – Bangor (UK)
<https://icpvegetation.ceh.ac.uk/>
Member of the Experts Panel of the Task Force for Modelling and Mapping
Referent for the Catholic University of the S. H.
- 2016-2019 CINFAI - Consorzio INTERuniversitario di Fisica dell'Atmosfera e dell'Idrosfera
<http://www.cinfai.it/>
Local Unit of the Catholic University of the S.H., Brescia
Director of the Local Unit
- 2004-2015 CRINES - Centro di Ricerca sull'INquinamento atmosferico e gli EcoSistemi
Regional Agency for Services to the Agriculture and Forests (ERSAF),
Lombardy Foundation for the Environment (FLA)
via Galilei 1, Curno (BG)
Technical Director from 2004 to 2008
Scientific Director from 2008 to 2015
- 2008-2012 CRASL - Centro di Ricerca sull'Ambiente, l'energia e lo sviluppo sostenibile
Catholic University of the S.H.
Research Unit "Ecology and Ecotoxicology"
Director of the Research Unit
- 2000-2010 CONECOFOR - Forest ecosystems monitoring
Italian Ministry of the Agriculture and Forests (MIPAF)
Member -for the University of Florence- of the Experts Panel on Ozone Exposures and
Fluxes to Italian forests

7.4 Scientific Production (PUBLICATIONS)

Author of more than 100 articles in peer reviewed journals (cfr. the attached *Publications List*)

Author of more than 10 chapters in scientific books (cfr. the attached *Publications List*)

Editor of 2 international books (cfr. the attached *Publications List*)

Author of about 50 written Project Reports

h-index = 30 (Scopus, 04/10/2021)

Citations = 2729

<https://orcid.org/0000-0002-5352-3222>

7.5 Awards

- 2019 "LITERATURE AWARD FOR EXCELLENT PUBLICATION", awarded on 10/09/2019 by GRIMM Aerosol Technik with the following motivation: "Outstanding contribution in the field of aerosol research" for the publication
Chiesa M., Urgnani R., Marzuoli R., Finco A., **Gerosa G.** (2019). Site- and house-specific and meteorological factors influencing exchange of particles between outdoor and indoor domestic environments. BUILDING AND ENVIRONMENT, vol. 160, p. 106181-N/A, ISSN: 0360-1323, doi: 10.1016/j.buildenv.2019.106181
- 2018 "HIGH QUALITY PUBLICATIONS" AWARD awarded on a competitive basis on 12/11/2018 by the Academic Senate of the Catholic University of the S.C. for the publication:
Gerosa G., Fusaro L., Monga R., Finco A., Fares S., Manes F., Marzuoli R., 2015. A flux-based assessment of above and below ground biomass of holm oak (*Quercus ilex* L.) seedlings after one season of exposure to high ozone concentrations. ATMOSPHERIC ENVIRONMENT 113, 41-49
- 2011 1st Go Green eContent award Italy,
and Special award of the Jury of Apps4Italy 2011 "Di amo casa a 10 idee creative" of the Municipality of Milan
awarded to our Company J'ECO Ltd. for the development of our App J'ECO to experience the environment in augmented reality

7.6 Conferences and Congresses

- Author of more than 100 communications at Congresses as Invited Speaker, Oral Presentation or Poster (see the attached *Conferences List*)
- Author of 7 Seminars at National and International Research Instit.s (see the attached *Conferences List*)
- Organizer of 8 Congresses (see the attached *Conferences List*)
- Organizer of- and speaker at- many project meetings

7.7 Editorial Board membership of international peer reviewed Journals listed in SCIMAGO

Member of the EDITORIAL BOARDS of 8 Scientific International peer-reviewed Journals:

Atmosphere, MDPI, ISSN 2073-4433

Advances in Meteorology, Hindawi-Wiley, ISSN: 1687-9309

Bulletin of Atmospheric Science and Technology, Springer, ISSN: 2662-1495

ISRN Atmospheric Science Journal, ISSN: 2314-4645, doi:10.5402/AS, ceased

Forests, MDPI, ISSN 1999-4907

International Journal of Environmental Research and Public Health, MDPI, ISSN: 1660-4601

The Open Atmospheric Science Journal, Bentham Science, ISSN: 1874-2823

7.8 Referee of International peer reviewed Journals

REFEREE for about 20 international ISI Journals for Atmospheric Sciences and Ecology

7.9 Fellowship of Scientific Societies

Member of the

AISAM - Italian Society of Atmospheric Sciences and Meteorology

Previously Member of the

AGU - American Geophysical Union

SIte - Italian Society of Ecology

SICA - Italian Society of Agricultural Chemistry

8. OUTREACH ACTIVITY

8.1 Spin-off societies

ABC Ambiente Bene Comune aps, Brescia (I)

an Association of Social Promotion to sustain the environmental research at Bosco Fontana (MN)

Founder and Partner from 2015 to present

ECOMETRICS Ltd., Brescia (I), C.F./P.IVA: 03030830982 - REA: BS-499401.

a spin-off company of the Catholic University of Brescia.

Founder and Chairman of the board of directors and general counsel from 2008 to 2015

J'ECO Ltd., Brescia (I), C.F./P.IVA: 03328060987 - REA BS-524712

a private company to promote IT apps for the fruition of the environment

Founder through Ecometrics Ltd.

Representative for the partner Ecometrics Ltd. from 2010 to 2015.

ASTRA Ltd., Brescia (I), C.F./P.IVA 03315240980

a private company of applied research

Founder through Ecometrics Ltd.

Representative for the partner Ecometrics Ltd. from 2011 to 2016.

8.2 Specific Professional Experiences related to the Concorsual Sector 02/C1

2017 Expert Report on an extreme weather event (hail storm of the 23/06/2017 at Roncadelle and Travagliato, BS) for the Insurance Company "Bera Loss Adjusters", Brescia

- 2010-2012 Development of a low-cost automatic system of static chambers for the measurement of CO₂ and N₂O fluxes from the soil. Marketed by Ecometrics Ltd. with the name SASSFLUX (Soil Automatic Sampling System for flux measurements).
- 2008-2009 Development of a Chemiluminescence Ozone Fast Analyzer (resolution 10 Hz) for Eddy Covariance applications. Marketed by Ecometrics Ltd. with the name COFA

8.3 Patents

Inventor indicated in the Patent nr. MI2012A001627 filed on 28/9/2012 entitled "Dispositivo agitatore di fluidi per favorire lo sviluppo di alghe o microalghe in un fotobioreattore"

8.4 Public organisms

Air Observatory of the municipality of Brescia

Member and Representative for the Catholic University of the S.H. from 2015 to present

Committee for the Civic Museum of Natural Sciences of the municipality of Brescia

Member and Representative for the Catholic University of the S.H. from 2016 to present

Environment Committee of the municipality of Mapello (BG)

Member and Consultant to the council for environmental issues from 2009 to 2019

8.5 Conferences to a non-specialized public

(cfr. the attached *Congress List*)

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|----------------------|---|
| Science Festivals, | Keynote speaker at 6 Festivals |
| High Schools | Keynote speaker at 10 School Conferences |
| EarthDay, F4F | Keynote speaker at 3 Public Events |
| Citizen Associations | Keynote speaker at 3 Conference |
| Order of Journalists | Keynote speaker with 3 presentations at the School for Scientific Journalism, Milan |

8.6 TV and Radio transmissions, Newspapers

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| TV transmissions | Speaker at 2 National Programs (RAI1 LineaVerde, RAI3 Geo&Geo) and 2 Regional Programs (RAIregione Lombardia);
Speaker at 3 Local Programs and at 4 web TV |
| Radio transmissions | 7 Interviews at National Programs (Radio1, Radio3, Radio Circuito Marconi, Radio Capital), and 1 International Program (Radio Vaticana) |
| Newspapers | 8 Interviews in articles of National Newspapers (Avvenire, La Repubblica, CorriereDellaSera, GiornaleDiBrescia, IlGiorno) |

PUBLICATION LIST

A1. PEER REVIEWED PUBLICATIONS

A1.1 Articles in Scientific Journals

1. Urganani, R., Finco, A., Chiesa, M., Marzuoli, R., Bignotti, L., Riccio, A., Chianese, E., Tirimberio, G., Giovannoini, L., Zardi, D. & **Gerosa, G.**, 2022. Size-segregated aerosol fluxes, deposition velocities, and chemical composition in an Alpine valley. *ATMOSPHERIC RESEARCH* 268, 105995. <https://doi.org/10.1016/j.atmosres.2021.105995>
2. Rossana Monica Ferrara, Marco Carozzi, Céline Decuq, Benjamin Loubet, Angelo Finco, Riccardo Marzuoli, **Giacomo Gerosa**, Paul Di Tommasi, Vincenzo Magliulo, Gianfranco Rana, 2021. Ammonia, nitrous oxide, carbon dioxide, and water vapor fluxes after green manuring of faba bean under Mediterranean climate. *AGRICULTURE ECOSYSTEMS AND ENVIRONMENT* 315, 107439, 1-9, doi.org/10.1016/j.agee.2021.107439
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62. Riccardo Marzuoli, **Giacomo Gerosa**, Angelo Finco and Antonio Ballarin Denti, An overview on ten years of ozone research at the Catholic University of Brescia. *In: Proceedings of the 25th Task Force Meeting of the ICP Vegetation*, 31 Jan-2 Feb 2012, Brescia

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66. **G. Gerosa**, A. Finco, S. Oliveri, R. Marzuoli, J. Zueger, E. Gebetsroither, W. Winiwarer, 2011. Assessing present and future ozone hazards to natural forests in the Alpine area. Comparison of a wide scale mapping technique with local passive sampler measurements. *In: Proceeding of the International Conference "Ozone, climate change and forests", 14-16 June 2011, Prague, Czech Republic*

A2. SOME RECENT PUBLICATIONS NOT REFERRED OR WITH INTERNAL EDITORIAL REVIEW

1. Chiesa Maria, Elena Tomasi, Gianluca Antonacci, Angelo Finco, Riccardo Marzuoli, Giordano Pession, Manuela Zublena, **Giacomo A. Gerosa**, 2021. Progetto BB-Clean, meno emissioni dagli impianti domestici. *AGRIFORENERGY 2*, 22-25
2. AA.VV. 2021. The BB-CLEAN route for a smart Biomass Burning. European Regional Development Fund, Munich, 32 pp
3. AA.VV. 2019. Siamo Quello che Respiriamo. Qualità dell'aria in casa nostra. Catholic University of the S.H., Brescia, 17 pp
4. ICP Vegetation, 2019. Scientific Background Document A of Chapter 3 of "Manual on methodologies and criteria for modelling and mapping critical loads and levels of air pollution effects, risks and trends", LRTAP Convention on Long-range Transboundary Air Pollution, UN/ECE, Geneve (CH), 60 pp
5. ICP Vegetation, 2019. Scientific Background Document B of Chapter 3 of "Manual on methodologies and criteria for modelling and mapping critical loads and levels of air pollution effects, risks and trends", LRTAP Convention on Long-range Transboundary Air Pollution, UN/ECE, Geneve (CH), 108 pp
6. ICP-Vegetation, 2017. Mapping Critical Levels for Vegetation. Chapter 3 *In* "Manual on methodologies and criteria for modelling and mapping critical loads and levels of air pollution effects, risks and trends", LRTAP Convention on Long-range Transboundary Air Pollution, UN/ECE, Geneve (CH), 66 pp

CONFERENCES AND CONGRESSES LIST

B1. ORGANIZATION AND MEMBERSHIP OF SCIENTIFIC BOARD OF CONGRESSES (only last 10 years)

1. III Congresso Nazionale di AISAM (Associazione Scienze dell'Atmosfera e Meteorologia), "L'importanza dei dati: osservazioni atmosferiche, modelli previsionali e climate change", L'Aquila, 9-12/02/2021, MEMBER of the SCIENTIFIC BOARD
2. International Conference BBCLEAN, "Biomass burning in the alpine region: resource or problem?", Scientific Conference & Final General Conference BBCLEAN, Brescia, 12/04/2021, ORGANIZER
3. ANAPNOI, "Respirare bene per invecchiare meglio", Open Scientific Conference & Final Conference ANAPNOI, Brescia, 03/04/2019, ORGANIZER
4. International Workshop "Techniques of particles and nanoparticle sampling in the Atmosphere", Brescia 13/12/2016, Catholic University of the S.H. Brescia, ORGANIZER and MEMBER of the SCIENTIFIC BOARD
5. CAPERmed2016 (Committee on Air Pollution Effects Research on Mediterranean Ecosystems), "(E)merging directions on air pollution and climate change research in Mediterranean ecosystems", Brescia 28-30/06/2016, ORGANIZER and MEMBER of the SCIENTIFIC BOARD
6. ICP Vegetation 2012 (International Cooperative Project Vegetation, Convention of Long-range Transboundary Air Pollution, UN/ECE), 25th Task Force Meeting of the ICP Vegetation, Brescia 31/01-02/02/2012, ORGANIZER and MEMBER of the SCIENTIFIC BOARD
7. ECLAIRE (Effects of Climate Change on Air Pollution and Response Strategies for European Ecosystems), Open Science Conference & Kick-off meeting, Brescia 24-27/10/2011, ORGANIZER
8. MANFRED (Management strategies to adapt Alpine Space forests to climate change risks). Science & General Conference, Brescia, 24-26 March 2010, ORGANIZER

B.2 COMUNICATIONS AT SCIENTIFIC CONFERENCES AND SEMINARS (only last 10 y)

B2.1 Congress presentations (only last 10 years)

1. **Giacomo Gerosa**, Riccardo Marzuoli, Angelo Finco 2022. Ozone risk assessment for a deciduous mature forest from seven years of flux measurements. *35th ICP Vegetation meeting*, on-line, 21-24 Febbraio 2022. ORAL PRESENTATION
2. Guaita Pierluigi R., Marzuoli Riccardo, Finco Angelo, **Gerosa Giacomo Al.**, 2022. Use of measured data from local monitoring network to assess the ozone risk for crops at regional level: the Lombardy region case study. *35th ICP Vegetation meeting*, on-line, 21-24 Febbraio 2022. ORAL PRESENTATION
3. González-Fernández I., Carrasco-Molina T., Marzuoli R., Calatayud V., Simpson D., Alonso R., **Gerosa G.**, Carrara A., Rábago I., 2022. Parametrization of soil moisture index in the do3se model for risk assessment. *35th ICP Vegetation meeting*, on-line, 21-24 Febbraio 2022. ORAL PRESENTATION
4. Angelo Finco, Riccardo Marzuoli, **Giacomo Gerosa**, 2022. Canopy-Atmosphere coupling and implications for ozone deposition in forests, *4° Congresso Nazionale dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, Milano (I), 15-19 February 2022. ORAL PRESENTATION

5. Urganani R., Chiesa M., Finco A., **Gerosa G.**, 2022 Could ground-based altitudinal gradients be a good approximation of vertical soundings in mountain regions? *4° Congresso Nazionale dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, Milano (I), 15-19 February 2022. ORAL PRESENTATION
6. **Giacomo Gerosa**, Riccardo Marzuoli, Angelo Finco, 2022. Drivers of interannual variability of vertical ozone fluxes in a deciduous mature forest in Italy, *4° Congresso Nazionale dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, Milano (I), 15-19 February 2022. POSTER
7. Michele Torresani, Guido Masiello, **Giacomo Gerosa**, Marco Falocchi, Nadia Vendrame, Enrico Tomelleri, Ddino Zardi, 2022. Vegetation evapotranspiration modelled with an Emissivity Contrast Index. A case study in four eddy covariance sites in Italy, *4° Congresso Nazionale dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, Milano (I), 15-19 February 2022. POSTER
8. **Gerosa G.**, Marzuoli R., Finco A., 2021. Highlights from a multi annual observation of ozone deposition in a deciduous mature forest in Italy. *16th IGAC Scientific Conference (International Global Atmospheric Chemistry)*, On-line, 13-17/09/2021. POSTER
9. R. Urganani, A. Finco, M. Chiesa, R. Marzuoli, L. Bignotti, E. Tomasi, G. Antonacci, A. Riccio, E. Chianese, G. Tirimberio, L. Giovannini, D. Zardi, **G. Gerosa**, 2021. Field measuring campaigns in southern Alps and modelling exercise under the BB-CLEAN Interreg Alpine Space project. *2° TEAMx Workshop*, On-line, 10-12/05/2021. ORAL PRESENTATION
10. **Gerosa Giacomo**, Angelo Finco, Marzuoli Riccardo, 2021. The flux tower in the middle of the Po Valley (Bosco Fontana). A possible reference site for the TEAMx campaigns? *2° TEAMx Workshop*, On-line, 10-12/05/2021. ORAL PRESENTATION
11. **Gerosa Giacomo**, 2021. Biomass burning in the alpine region: resource or problem? *Scientific Conference BB-CLEAN*, Brescia, 12/04/2021. ORAL PRESENTATION
12. **Gerosa Giacomo Al.**, Guaita Pierluigi R., Marzuoli Riccardo, 2021. Utilizzo integrato di dati meteochimici, tecniche di spazializzazione e modelli di deposizione per la valutazione del rischio ozono nelle colture. *3° Congresso Nazionale dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, L'Aquila (I), 09-12 February 2021. ORAL PRESENTATION
13. Bignotti Laura, Finco Angelo, Marzuoli Riccardo, Chiesa Maria, Urganani Rossella, Muys Bart, **Gerosa Giacomo**, 2021. Seasonal variability of aerosol fluxes and gradients in a mixed forest in Flanders (Belgium). *3° Congresso Nazionale dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, L'Aquila (I), 09-12 February 2021. ORAL PRESENTATION
14. Chiesa M, Urganani R, Finco A, Marzuoli R, Bignotti L, Tomasi E, Antonacci A, Brillì L, Carotenuto F, Zaldei A, Stabile L, Pacitto A, **Gerosa G.**, 2021. Vertical soundings of PM, BC and meteorological variables to calibrate a coupled WRF-dispersion model for evaluating the impact of PM emissions on the air quality of two Alpine valleys. *3° Congresso Nazionale dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, L'Aquila (I), 09-12 February 2021. ORAL PRESENTATION
15. Urganani Rossella, Finco Angelo, Chiesa Maria, Marzuoli Riccardo, Bignotti Laura, Riccio Angelo, Chianese Elena, Tirimberio Giuseppina, Giovannini Lorenzo, Zardi Dino, **Gerosa Giacomo**, 2021. Aerosol fluxes above pastures in two valleys of the central Italian Alps. *3° Congresso Nazionale dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, L'Aquila (I), 09-12 February 2021. ORAL PRESENTATION
16. Bignotti L., Finco A., Marzuoli R., Chiesa M., Urganani R., Muys B., **Gerosa G.**, 2020. Aerosol gradients and fluxes in a mixed oak-hornbeam forest. *ICOS Science Conference*, Utrecht (NL), 15-17 September 2020. ORAL PRESENTATION
17. Jan-Peter George, Jan Pisek, Tobias Biermann, Arnaud Carrara, Edoardo Cremonese, Matthias Cuntz, Silvano Fares, **Giacomo Gerosa**, Thomas Grünwald, Niklas Hase, Michal Heliasz, Andreas Ibrom, Alexander Knohl, Bart Kruijt, Hikdeki Kobayashi, Holger Lange, Jean-Marc Limousin, Denis Loustau, Petr Lukeš, Riccardo Marzuoli, Meelis Mölder, Leonardo Montagnani, Johan Neiryneck, Matthias Peichl, Corinna Rebmann, Marius Schmidt, Francisco Ramon Lopez Serrano, Kamel Soudani, Caroline Vincke, Roman Zweifel, 2020. Evaluation of understory LAI estimation methodologies over forest ecosystem ICOS sites across Europe. *General Assembly of the European Geophysical Union*, 4-8 May 2020, Vienna (Austria). ORAL PRESENTATION
18. Meiyun Lin, Larry W. Horowitz, Elena Shevliakova, Fabien Paulot, Sergey Malyshev, Yuanyu Xie, Angelo Finco, **Giacomo Gerosa**, Dagmar Kubistin, Kim Pilegaard. Vegetation feedbacks during drought exacerbate ozone air

- pollution extremes in Europe. *General Assembly of the European Geophysical Union*, 4-8 May 2020, Vienna (Austria). ORAL PRESENTATION
19. Martina Pollastrini, F. Bussotti, **G. Gerosa**, R. Marzuoli, 2019. Integrative responses of trees to ozone pollution: is growth reduction related to foliar symptoms? *International Conference on Integrative Plant Physiology 2019*, Sitges, Spain, 27-29 October 2019. ORAL PRESENTATION
 20. Martina Pollastrini, Elisabetta Salvatori, Lina Fusaro, Riccardo Marzuoli, **Giacomo Gerosa**, Wolfgang Brüggemann, Filippo Bussotti, 2019. What will the future forests look like? Comparison of performance between Mediterranean oak species in a common garden experiment. *114° Congresso della Società Botanica Italiana - VI International Plant Science Conference (IPSC) - 11° Congresso Annuale della Società Italiana di Biologia Vegetale*, Padova, 4-7 September 2019. POSTER
 21. Meiyun Lin, Larry W. Horowitz, Elena Shevliakova, Fabien Paulot, Sergey Malyshev, Yuanyu Xie, Angelo Finco, **Giacomo Gerosa**, Dagmar Kubistin, Kim Pilegaard, 2019. Scorched Earth: Ecosystem-Atmosphere Interactions Exacerbate Climate Penalty on Ozone Pollution Extremes in Europe. *Fall Meeting of the American Geophysical Union*, San Francisco (USA), 9-13 December 2019. ORAL PRESENTATION
 22. Ugnani, Rossella; Chiesa, Maria; Finco, Angelo; Marzuoli, Riccardo; Tomasi, Elena; Antonacci, Gianluca; Giovannini, Lorenzo; Zardi, Dino; **Gerosa, Giacomo**, 2019. Dispersion and deposition of atmospheric aerosol emitted by domestic biomass burning systems in the Alpine Region. *ICAM 2019, Convegno internazionale di Meteorologia Alpina*, Riva del Garda, 2-6 Settembre 2019. POSTER
 23. Bignotti L., Chiesa M., Finco A., Marzuoli R. and **Gerosa G.**, 2019. EC measurements of size-resolved fluxes of fine and ultrafine aerosol above a peri-urban forest. *2° Congresso dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, 24-26 Settembre 2019, Napoli. ORAL PRESENTATION
 24. Ugnani, Rossella; Chiesa, Maria; Finco, Angelo; Marzuoli, Riccardo; Tomasi, Elena; Antonacci, Gianluca; Giovannini, Lorenzo; Zardi, Dino; **Gerosa, Giacomo**, 2019. Dispersion and deposition of atmospheric aerosol emitted by domestic biomass burning systems in the Alpine Region. *2° Congresso dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, 24-26 Settembre 2019, Napoli. POSTER
 25. Tomasi, Elena; Antonacci, Gianluca; Ugnani, Rossella; Chiesa, Maria; Finco, Angelo; Marzuoli, Riccardo; **Gerosa, Giacomo**, 2019. Modeling chain for the INTERREG Alpine Space Project BB-CLEAN: simulating the dispersion of particulate matter emitted by domestic biomass burning systems in the Alpine Region. *2° Congresso dell'Associazione Italiana di Scienze dell'Atmosfera e Meteorologia*, 24-26 Settembre 2019, Napoli. POSTER
 26. Jan Pisek, Tobias Biermann, Edoardo Cremonese, Matthias Cuntz, Silvano Fares, **Giacomo Gerosa**, Michal Heliasz, Andreas Ibrom, Arnon Karnieli, Lauri Korhonen, Bart Kruijt, Jean-Marc Limousin, Francisco Ramon Lopez Serrano, Denis Loustau, Petr Lukeš, Riccardo Marzuoli, Meelis Mölder, Leonardo Montagnani, Johan Neiryneck, Eva Rubio, Marius Schmidt, Guillaume Simioni, Roman Zweifel, Yuri Knyazikhin, 2019. Plausibility, validation and intercomparison of clumping index maps derived from MISR, MODIS, POLDER, and DSCOVR EPIC Earth observation data over European ICOS Research Infrastructure forest ecosystem sites. *General Assembly of the European Geophysical Union*, 7-12/4/2019, Vienna (Austria). ORAL PRESENTATION
 27. Borghini, A., Gallotti, E., Ferrara, S., Montuschi, P., **Gerosa, G.**, & Moscato, U., 2018. Indoor and outdoor environmental pollution and COPD: a pilot study. *11th European Public Health Conference*, 28/11-1/12/2018, Lubjana (Slovenia). ORAL PRESENTATION
 28. Finco Angelo, Marzuoli Riccardo, Chiesa Maria, **Giacomo Gerosa**, 2018. Characterisation of the gaseous exchange between the atmosphere and a forest. Ozone fluxes at five vertical levels above and inside the canopy and interactions with nitric oxide. *1° Congresso Nazionale AISAM (Associazione Italiana di Scienze Atmosferiche e Meteorologia)*, Bologna, 10-13 September 2018. ORAL PRESENTATION
 29. Fusaro L., Salvatori E., Pollastrini M., Marzuoli R., **Gerosa G.**, Bussotti F., Manes F., 2018. Chlorophyll a fluorescence as a taxonomic and ecological fingerprint of tree species. *XXVIII Congresso nazionale della Società Italiana di Ecologia*, Cagliari 12-14 Settembre 2018. POSTER
 30. Finco, A., Coyle, M., Nemitz, E., Marzuoli, R, Chiesa, M., Loubet, B.; Fares, S., Diaz-Pines, E., Gasche, R & **G., Gerosa**, 2018. Characterisation of ozone deposition to a mixed oak-hornbeam forest. Flux measurements at 5 levels above and inside the canopy and their interactions with nitric oxide. *3rd ICOS Science Conference*, Prague, 11-13 September 2018. ORAL PRESENTATION

31. Bussotti, **Gerosa**, Digrado, Pollastrini, 2018. Redundancy and independence of chlorophyll fluorescence (JIP-test) parameters in plant ecological studies. *ASPB (American Society of Plant Biologist) meeting*, Montreal (Canada) 14-17 July 2018. POSTER
32. **Giacomo Gerosa**, Maria Chiesa, Laura Bignotti, Riccardo Marzuoli, Angelo Finco, 2018. Size resolved fluxes of particulate matter over a forest ecosystem. *III International Conference on Atmospheric Dust - DUST 2018*, 29-31/05/2018, Bari, Italy. POSTER
33. Maria Chiesa, Rossella Ugnani, Riccardo Marzuoli, Angelo Finco, **Giacomo Gerosa**, 2018. Impact of outdoor particulate matter on domestic indoor air quality. *III International Conference on Atmospheric Dust - DUST 2018*, 29-31/05/2018, Bari, Italy. POSTER
34. **Gerosa G.**, Finco A., Marzuoli R., Chiesa M., 2017. 15 years of measurements of ozone deposition fluxes over forests, crops and bare soils in Italy. *Ozone Dry Deposition meeting. "Constraints from multiplatform observations and multi-scale modeling"*, Lamont-Doherty Earth Observatory, Columbia University New York (USA), October 5-6, 2017. POSTER
35. **Giacomo Gerosa**, 2017. Above and Below Canopy Ozone Fluxes at a Mature Oak-Hornbeam Forest: Implications for Modeling and Risk Assessment. *Ozone Dry Deposition meeting. "Constraints from multiplatform observations and multi-scale modeling"*, Lamont-Doherty Earth Observatory, Columbia University New York (USA), October 5-6, 2017. ORAL PRESENTATION
36. **Giacomo Gerosa**, 2017. 15 years of measurements of ozone deposition fluxes over forests, crops and bare soils in Italy. *Ozone Dry Deposition meeting. "Constraints from multiplatform observations and multi-scale modeling"*, Lamont-Doherty Earth Observatory, Columbia University New York (USA), October 5-6, 2017. ORAL PRESENTATION
37. Marsailidh Twigg, Di Marco C., Finco A., Loubet B., Braban C., **Gerosa G.**, Langford B., Nemitz E., Sutton M., 2017. Reactive nitrogen fluxes and gas-aerosol interactions above a semi-natural forest in the Po Valley, Italy. *EGU General Assembly 2017*, 23-28 April 2017, Vienna (Austria). POSTER
38. **Gerosa G.**, Marzuoli R., Finco A., Chiesa M., 2017. A dose-response relationship for marketable yield reduction of two lettuce (*Lactuca sativa* L.) cultivars exposed to ozone. *30th ICP Vegetation meeting*, Poznan (PL), 14-17 Febbraio 2017. ORAL PRESENTATION
39. Marzuoli R., **Gerosa G.**, Monga R., Finco A., Picchi V., Faoro F., 2017. Ozone dose-response relationships for durum wheat in Mediterranean conditions. *30th ICP Vegetation meeting*, Poznan (PL), 14-17 Febbraio 2017. ORAL PRESENTATION
40. **Gerosa G.**, Bussotti F., Calatayud V., Alonso R., Pollastrini M., Calvo E., Bermejo V., Monga R., Finco A., Marzuoli R., 2017. Dose-response relationships for ozone effect on aboveground biomass of deciduous broadleaved tree species in Mediterranean environment. *30th ICP Vegetation meeting*, Poznan (PL), 14-17 Febbraio 2017. ORAL PRESENTATION
41. Alonso R., Marzuoli R., **Gerosa G.**, Ribas Á., Calatayud V., Elvira S., Calvo E., Peñuelas J., Pollastrini M., Bussotti F., Mereu S., Fusaro S., Finco A., González-Fernández I., 2017. Ozone critical levels for Mediterranean evergreen forests. *30th ICP Vegetation meeting*, Poznan (PL), 14-17 Febbraio 2017. ORAL PRESENTATION (INVITED LECTURE)
42. **G. Gerosa**, R. Marzuoli, A. Finco, M. Chiesa, 2016. Quindici anni di ricerche su ozono e vegetazione a Brescia: cosa abbiamo imparato. *Giornata di studio "Ozono e vegetazione: il contributo della ricerca italiana"*, Pisa, 24 Novembre 2016. ORAL PRESENTATION
43. A. Finco, R. Marzuoli, M. Chiesa, **G. Gerosa**, 2016. Misure di flusso above and below canopy al sito di Bosco Fontana. Implicazioni per modeling e risk assessment. *Giornata di studio "Ozono e vegetazione: il contributo della ricerca italiana"*, Pisa, 24 Novembre 2016. ORAL PRESENTATION
44. M. Ferretti, **G. Gerosa**, 2016. Rischio ozono per la vegetazione forestale: teoria, pratica e realtà. *Giornata di studio "Ozono e vegetazione: il contributo della ricerca italiana"*, Pisa, 24 Novembre 2016. ORAL PRESENTATION (INVITED LECTURE)
45. Maria Chiesa, **Angelo Finco**, Riccardo Marzuoli, Giacomo Gerosa, 2016. Le particelle fini e ultrafini in ambienti indoor e outdoor: un focus sulle classi granulometriche per andare oltre lo stato dell'arte. *NANOSIMPOSIO "Situazione legislativa, aspetti tossicologici e conoscenza scientifica sulle nanoparticelle aerodisperse"*, Università degli Studi Milano-Bicocca, Milano, 23 Novembre 2016. ORAL PRESENTATION (INVITED LECTURE)

46. **Giacomo Gerosa**, Angelo Finco, J-P Tuovinen, L. Grunhage, D. Simpson, 2016. Options and consequences for updating ozone gradients approaches. *Critical Levels Workshop of the ICP vegetation*, Madrid (Spain), 7-9 Novembre 2016. ORAL PRESENTATION
47. **Giacomo Gerosa**, Angelo Finco, Beatrice Monteleone, Maria Chiesa, Riccardo Marzuoli, 2016. How well top-canopy ozone concentrations (and dose) are estimable from ground-based ozone and meteo measurements? Part 2. Options and consequences for updating ozone gradients approaches. *Task Force Meeting of the ICP vegetation*. Deganwy, Galles (UK), 7-9 Giugno 2016. ORAL PRESENTATION
48. R. Marzuoli, **G. Gerosa**, R. Monga, A. Finco, F. Faoro, 2016. Ozone dose-response relationships for durum wheat in Mediterranean conditions. *CAPERmed 2016 (Committee on Air Pollution Effects Research on Mediterranean Ecosystems)*, “(E)merging directions on air pollution and climate change research in Mediterranean ecosystems”, Brescia 28-30/06/2016. POSTER
49. **G. Gerosa**, R. Marzuoli, R. Monga, A. Finco, 2016. Increased nitrogen deposition enhances the negative effect of ozone on biomass of *Carpinus betulus* young trees. *CAPERmed 2016 (Committee on Air Pollution Effects Research on Mediterranean Ecosystems)*, “(E)merging directions on air pollution and climate change research in Mediterranean ecosystems”, Brescia 28-30/06/2016. POSTER
50. Finco, R. Marzuoli, M. Chiesa, **G. Gerosa**, 2016. Above and below canopy ozone flux measurements at Bosco Fontana site. Implications for modelling and risk assessment. *CAPERmed 2016 (Committee on Air Pollution Effects Research on Mediterranean Ecosystems)*, “(E)merging directions on air pollution and climate change research in Mediterranean ecosystems”, Brescia 28-30/06/2016. POSTER
51. Finco, R. Marzuoli, M. Chiesa, B. Monteleone, **G. Gerosa**, 2016. Overview of three years of ozone flux measurements at Bosco Fontana site: flux partition and main meteorological drivers. *CAPERmed 2016 (Committee on Air Pollution Effects Research on Mediterranean Ecosystems)*, “(E)merging directions on air pollution and climate change research in Mediterranean ecosystems”, Brescia 28-30/06/2016. POSTER
52. Angelo Finco, Riccardo Marzuoli, Robert Monga, Maria Chiesa, Beatrice Monteleone, **Giacomo Gerosa**, 2015. How well top-canopy ozone concentrations (and dose) are estimable from ground-based ozone and meteo measurements? *Task force meeting of the ICP vegetation*. Hindås, Göteborg (Sweden), 23-25 Novembre 2015. ORAL PRESENTATION
53. **Gerosa G.**, Marzuoli R., Finco A., 2015. On the sensitivity decay of the coumarine targets for fast ozone measurements. Implications for the estimation of the instrumental zero and flux calculations. *EGU 2015*, Vienna, 12-17/4/2015. ORAL PRESENTATION
54. **Gerosa G.**, Finco A., Marzuoli R., Coyle M., Nemitz E., 2015. Eddy covariance measurements of ozone fluxes at 4 levels above and within a forest canopy in the Po valley (Italy). *EGU 2015*, Vienna, 12-17/4/2015. ORAL PRESENTATION
55. **Gerosa G.**, Marzuoli R., Finco A., Monga R., Fusaro L., Salvatori E., Fares S., Kuzminsky E., Manes F., 2015. A Dose-Response Relationship for young Holmoak trees exposed to different levels of ozone during one growing season. *28th ICP Vegetation meeting*, Roma 3-5/2/2015. POSTER
56. **Gerosa G.**, Marzuoli R., Monga R., Finco A., 2015. Ozone and nitrogen effects in oak and hornbeam young trees after two years of treatments. *28th ICP Vegetation meeting*, Roma 3-5/2/2015. ORAL PRESENTATION
57. Finco A., **Gerosa G.**, Marzuoli R., Coyle M. and Neimitz E., 2015. Above and below canopy ozone flux measurements at bosco fontana site. Implications for modeling and risk assessment. *28th ICP Vegetation meeting*, Roma 3-5/2/2015. ORAL PRESENTATION
58. **Gerosa G.**, Riccardo M., Monga R., Finco A., 2014. And vegetation? Uptake and effects of a paradigmatic air pollutant on plants. *AIRweek 2014 “Air Quality, Health and Ecosystems”*, University of Brescia, 10 November 2014, Brescia. ORAL PRESENTATION (INVITED LECTURE)
59. Ferrara R.M., Loubet B., Carozzi M., Decuq C., Durand B., Rossi R., Palumbo A.D., Stellacci A.M., Campi P., Vitti C., Martinelli N., Fornaro F., Mastrangelo M., Introna M., Sanitate N., Cesareo V., Casulli V., Di Tommasi P., Magliulo V., Vuolo R., **Gerosa G.**, Finco A., Marzuoli R., Rana G. 2014. Overview of an experiment to evaluate Nitrogen dynamic after green manure in Mediterranean semi-arid environment. *Open Science Conference ECLAIRE*, Budapest 1/10-2/10/2014. POSTER

60. **Gerosa G.**, Marzuoli R., Monga R., Finco A., 2014. Effects of ozone and nitrogen deposition in young trees of hornbeam and oak. Results from the ECLAIRE experiments in Italy. *Open Science Conference ECLAIRE*, Budapest 1/10-2/10/2014. POSTER
61. Marzuoli R., Monga R., Finco A., Fusaro L., Salvatori E., Fares S., Kuzminsky E., Manes F. and **Gerosa G.**, 2014. Biomass response of young Holmoak trees after one season of ozone treatment in well-watered condition. *Open Science Conference ECLAIRE*, Budapest 1/10-2/10/2014. POSTER
62. **Gerosa G.**, A. Finco, R. Marzuoli, M. Gotti, R. Gasche, S.Fares, M. Coyle, B. Loubet, E. Nemiz, 2014. Ozone flux profile at the Bosco Fontana site during the ECLAIRE joint field campaign. *Open Science Conference ECLAIRE*, Budapest 1/10-2/10/2014. POSTER
63. **Gerosa G.**, Marzuoli R., Monga R., Hardersen S., Gorian F., Minari E. and Finco A. 2014. How great is the ozone removal by a mature forest? Which is the biological cost of this important ecosystem service? *Open Science Conference ECLAIRE*, Budapest 1/10-2/10/2014. ORAL PRESENTATION (INVITED LECTURE)
64. **Gerosa G.**, Marzuoli R., Monga R., Hardersen S., Gorian F., Minari E. and Finco A., 2014. Ozone removal by a mixed Oak-Hornbeam mature forest in the po valley and related effects on net photosynthesis. *CAPERMED (Committee on Air Pollution Effects Research on Mediterranean Ecosystems)*, Lisbon 3-4 July 2014. ORAL PRESENTATION
65. **Gerosa G.**, Marzuoli R., Monga R., Faoro F., Gonzalez I., Alonso R., Bermejo V., 2014. Yield response of some Italian and Spanish cultivars of durum wheat to elevated ozone: a varietal screening. *CAPERMED (Committee on Air Pollution Effects Research on Mediterranean Ecosystems)*, Lisbon 3-4 July 2014. POSTER
66. Marzuoli R., Monga R., Finco A., Fusaro L., Salvatori E., Fares S., Kuzminsky E., Manes F. and **Gerosa G.**, 2014. Biomass response of young Holmoak trees after one season of ozone treatment in well-watered condition. *CAPERMED (Committee on Air Pollution Effects Research on Mediterranean Ecosystems)*, Lisbon 3-4 July 2014. POSTER
67. Marzuoli R., Monga R., Finco A. and **Gerosa G.**, 2014. Stomatal conductance, photosynthesis and growth response of Hornbeam and Oak young trees after a two-years treatment with ozone and nitrogen addition. *CAPERMED (Committee on Air Pollution Effects Research on Mediterranean Ecosystems)*, Lisbon 3-4 July 2014. POSTER
68. **Giacomo Gerosa**, 2014. Plants in the city and their gaseous exchanges with the atmosphere. *1st International Workshop "Plant physiology in the urban environment"*, Pisa 23/6/2014. ORAL PRESENTATION (INVITED LECTURE)
69. **G. Gerosa**, Finco A, Marzuoli R., 2014. One year of ozone flux measurements and O₃, NO_x and CO₂ profiles at the micrometeorological flux tower of Bosco Fontana (Mantua, Italy). *15th Task Force on Measurement and Modelling Meeting, Convention On Long-Range Transboundary Air Pollution*, Bologna (Italy), 8-10 April 2014. ORAL PRESENTATION
70. Fusaro L., Fares S., **Gerosa G.**, Marzuoli R., Salvatori E., Finco A., Quarato D., Monga R., Manes F., 2014. Photosynthetic performance of *Quercus ilex* L. under long-term ozone exposure probed by carboxylation efficiency, maximum apparent quantum yield and modulated 820 nm reflection. *27th ICP Vegetation meeting*, Paris 28-30/01/2014. POSTER
71. **Gerosa G.**, Marzuoli R., Monga R., Finco A., 2014. Effects of ozone and nitrogen deposition in young trees of hornbeam and oak. Results from the ECLAIRE experiments in Italy. *27th ICP Vegetation meeting*, Paris 28-30/01/2014. POSTER
72. **Gerosa G.**, Marzuoli R., Monga R., Hardersen S., Gorian F., Minari E. and Finco A., 2014. Stomatal uptake and non-stomatal ozone removal by a mixed oak-hornbeam mature forest in the Po Valley. Results of the ECLAIRE long-term campaign. *27th ICP Vegetation meeting*, Paris 28-30/01/2014. ORAL PRESENTATION
73. **Gerosa G.**, Marzuoli R., Monga R., Faoro F., Gonzalez I., Alonso R., Bermejo V., 2014. Yield response of some Italian and Spanish cultivars of durum wheat to elevated ozone: a varietal screening. *ICP Vegetation meeting*, Paris 28-30/01/2014. ORAL PRESENTATION
74. **Gerosa G.**, Marzuoli R., Finco A., Monga R., Ballarin Denti A., Bussotti F., Faoro F., 2014. Ozono e vegetazione: dalle evidenze delle sperimentazioni in ambiente controllato alle misure a livello di ecosistema. *Convegno "Gli impatti dell'inquinamento atmosferico sugli ecosistemi naturali e antropici"*, ENEA, Roma, 23 e 24 gennaio 2014. ORAL PRESENTATION

75. E. Nemitz, B. Langford, C.F. Di Marco, M. Coyle, C. Braban, M. Twigg, **G. Gerosa**, A. Finco, A. Valach,¹ J. Acton, B. Loubet, S. Schallart, R. Gasche, E. Diaz-Pines, S. Fares, J. Westerlund, Å. Hallquist, C. Gritsch, S. Zechmeister-Boltenstern and M.A. Sutton, 2014. Quantifying Chemical Interactions in a Forest Canopy – First Results from the ÉCLAIRE Campaign at Bosco Fontana, Po Valley. *ACCENTplus symposium 2013 “Bringing Together the European Research in atmospheric composition change. Challenges for the next decade”*, Urbino (I), 17-20 September 2013. POSTER
76. **Gerosa G.A.**, A. Finco, F. Boschetti, E. Zaglio, R. Marzuoli, M. Chiazzese, S. Amaducci, M. Trevisan, S. Brenna., 2013. Carbon dioxide fluxes from arable soils under different ploughing intensity. *ACCENTplus symposium 2013 “Bringing Together the European Research in atmospheric composition change. Challenges for the next decade”*, Urbino (I), 17-20 September 2013. POSTER
77. **Gerosa G.**, A. Finco, R. Marzuoli, S. Hardersen, F. Gorian, S. Fares, M. Coyle, B. Loubet, E. Nemiz, M.Sutton, 2013. Ozone fluxes at a mixed Oak-Hornbeam mature forest in the Po Valley. Results of the intensive and long-term measurement campaigns of the ECLAIRE FP7-Project. *ACCENTplus symposium 2013 “Bringing Together the European Research in atmospheric composition change. Challenges for the next decade”*, Urbino (I), 17-20 September 2013. ORAL PRESENTATION
78. **Gerosa G.**, A. Finco, R.Marzuoli, S. Hardersen, F. Gorian, 2013. Ozone removal by a periurban mixed Oak-hornbeam Forest. *16th European Forum of Urban Forestry (EFUF)*, Milan 7-11 May 2013. ORAL PRESENTATION
79. **Gerosa G.**, 2013. Ozone flux to a larch forest ecosystem in the Adamello Natural Park. *Expert Meeting Ecosystem Services – Alpine Spring Festival*, Bolzano, 5 Marzo 2013. ORAL PRESENTATION
80. **Gerosa G.**, Finco A., Marzuoli R., 2013. Measurements of CO and thermal fluxes at a periglacial site in the Ortles-Cevedale Group. *Meeting MUW2013 (Mountain under Watch)*, 20-21 Febbraio 2013, Forte di Bard, Aosta. POSTER
81. **Gerosa G.**, Finco A., Negri A., 2013. Ozone removal by a high elevation larch forest ecosystem in the Adamello Natural Park. *Meeting MUW2013 (Mountain under Watch)*, 20-21 Febbraio 2013, Forte di Bard, Aosta. ORAL PRESENTATION
82. **Gerosa G.**, Monga R., Marzuoli R., 2013. Photosynthetical response to ozone exposure and nitrogen enrichment of *C. betulus* and *Q. robur* saplings. Results of the first year of experimentation under the ECLAIRE project. *26th ICP Vegetation Meeting*, Halmstad (Sweden), 28-31 January 2013. ORAL PRESENTATION
83. **Gerosa G.A.**, Marzuoli R., Monga R., Mereu S., Todorovic M., Faoro F., 2012. Does ozone negatively affect durum wheat? *XXX Convegno Nazionale della Società Italiana di Chimica Agraria*, Milano 18-19 Settembre 2012, 76. POSTER
84. **Gerosa G.A.**, A. Finco, E. Zaglio, R. Marzuoli, M. Chiazzese, S. Amaducci, 2012. A novel static automatic sampler for soil flux measurements of carbon dioxide and nitrogen protoxide. *XXX Convegno Nazionale della Società Italiana di Chimica Agraria*, Milano 18-19 Settembre 2012, 55. POSTER
85. Oliveri S, Cocca G, Cane D, Barbarino S, Comini B, **Gerosa G.**, 2012. Extreme forest fires and predictive power of fire danger Indexes: a deepening in the Alpine region. *Global Risk Forum. Integrative Risk Management in a Changing World - Pathway to a Resilient Society*. IDRC Davos 2012. Davos, 26-30 August 2012. ORAL PRESENTATION.
86. Oliveri S., Pregolato M., **Gerosa G.**, 2012, Selettività degli incendi forestali in ambiente alpino. *16^a Conferenza Nazionale ASITA*, Vicenza 6 – 9 Novembre 2012. ORAL PRESENTATION
87. Pregolato M., Oliveri S., Pomatti M., **Gerosa G.**, 2012, Una piattaforma webGIS per la mappatura degli eventi estremi in foresta in ambito alpino. *16^a Conferenza Nazionale ASITA*, Vicenza 6 – 9 Novembre 2012. ORAL PRESENTATION
88. Mingazzini M., Palumbo M. T., Zaglio E., **Gerosa G.**, Kademoglou A., 2012. Application of Flashing-Light Emitting Diodes (LEDs) in microalgae photobioreactors: laboratory approach to study the role of blue light on the growth of *Pseudokirchneriella subcapitata*. *Third International Symposium on Green Chemistry for Environment. Health and Development*. Skiatos, Greece, 3-5 October 2012, Volos, Society of Ecotoxicology & Environmental Safety (SECOTOX) and University of Thessaly. POSTER
89. **Giacomo Gerosa**, 2012. Il progetto MANFRED e il contesto climatico futuro. Meeting *“Incendi estremi in foreste alpine. Imparare dal passato per meglio gestire il futuro”*, 16 Febbraio 2012, Milano. ORAL PRESENTATION

90. **Giacomo Gerosa**, Stefano Oliveri, 2012. Selettività dei grandi fuochi a livello alpino: evidenze e trend in atto. Meeting *"Incendi estremi in foreste alpine. Imparare dal passato per meglio gestire il futuro"*. 16 Febbraio 2012, Milano. ORAL PRESENTATION
91. Riccardo Marzuoli, **Giacomo Gerosa**, Angelo Finco and Antonio Ballarin Denti, An overview on ten years of ozone research at the Catholic University of Brescia. *25th Task Force Meeting of the ICP Vegetation*, 31 Jan-2 Feb 2012, Brescia. ORAL PRESENTATION (INVITED LECTURE)
92. **Gerosa G.A**, Finco A, Riccardo M, Ferretti M., Gottardini E., 2012. When stomatal flux is predictable from AOT40. Results of a 13 years stomatal flux calculation exercise at an alpine spruce forest with the DO3SE model. *25th Task Force Meeting of the ICP Vegetation*, 31 Jan-2 Feb 2012, Brescia. ORAL PRESENTATION
93. **Gerosa G.A**, Riccardo M., Monga R., Mereu S., Todorovic M. and Faoro F., 2012. Does ozone negatively affect durum wheat? *25th Task Force Meeting of the ICP Vegetation*, 31 Jan-2 Feb 2012, Brescia. ORAL PRESENTATION
94. **G. Gerosa**, A. Finco, S. Oliveri, R. Marzuoli, J. Zueger, E. Gebetsroither, W. Winiwarter, 2011. MANFRED Project. Management strategies to adapt Alpine Space forests to climate change risks. *International Conference "Ozone, climate change and forests"*, 14-16 June 2011, Prague, Czech Republic. POSTER
95. **G. Gerosa**, A. Finco, M. Ferretti, E. Gottardini, 2011. Errors in ozone risk assessment using standard conditions for the conversion of ozone concentrations from passive samplers in mountain regions. *International Conference "Ozone, climate change and forests"*, 14-16 June 2011, Prague, Czech Republic. ORAL PRESENTATION
96. **G. Gerosa**, A. Finco, S. Oliveri, R. Marzuoli, J. Zueger, E. Gebetsroither, W. Winiwarter, 2011. Assessing present and future ozone hazards to natural forests in the Alpine area. Comparison of a wide scale mapping technique with local passive sampler measurements. *International Conference "Ozone, climate change and forests"*, 14-16 June 2011, Prague, Czech Republic. ORAL PRESENTATION

B2.2 Seminars at Scientific Institutions, excluded seminars at PhD Schools (only last 10 years)

1. **G. Gerosa**, 2021. Ozone deposition to a mixed oak-hornbeam forest and interactions with nitric oxide". ACINN Graduate Seminar, Department of Atmospheric and Cryospheric Sciences, Innsbruck University (A), 23/06/2021
2. **Gerosa**, Chiesa, Urgnani, 2020. When carbon neutral does not necessarily mean clean. From ecology to atmospheric physics. Journey of the Climate Knowledge Innovation Community, University of Trento, 23/7/2020
3. **G. Gerosa**, M. Chiesa, 2020. Indoor and outdoor characterization of size resolved aerosol by means of the new GRIMM miniWRAS. "Intercomparison Workshop on Portable Mobility and Wide-Range Particle Size Spectrometers for Indoor and Outdoor Applications", World Calibration Centre for Aerosol Physics (WCCAP), TROPOS - Leibniz Institut für Troposphärenforschung, Leipzig (D), 27-31 January 2020.
4. **Giacomo Gerosa**, Angelo Finco, Mhairi Coyle, Eiko Nemitz, Riccardo Marzuoli, Maria Chiesa, Benjamin Loubet, Silvano Fares, Eugenio Diaz-Pines, Rainer Gasche, 2019. Characterization of ozone deposition to a mixed oak-hornbeam forest: flux measurements at five levels above and inside the canopy and their interactions with nitric oxide. CNBF-Italian Centre for Biodiversity Conservation, Marmirolo (MN), 08 February 2019
5. Maria Chiesa, Rossella Urgnani, Angelo Finco, Riccardo Marzuoli, **Giacomo Gerosa**, 2018. Factors related to aerosol concentrations in domestic environments: focus on the impact of indoor sources. TROPOS - Leibniz Institut für Troposphärenforschung, Leipzig (D), 27 July 2018
6. **Giacomo Gerosa**, Riccardo Marzuoli, Robert Monga, Maria Chiesa, Beatrice Monteleone, Angelo Finco, 2019. Eddy Covariance and ozone fluxes at Bosco Fontana. CFS-National Forest Corp, Marmirolo (MN), 18th November 2015
7. Finco A., Marzuoli R., Monga R., **Gerosa G.**, 2014. Ozone fluxes to agricultural and forest ecosystems. Max Plank Institute for Biogeochemistry, Jena (D), 12 June 2014

B3. COMUNICAZIONI TO A BROADER PUBLIC (only last 10 years)

B3.1 Science festivals (only last 10 years)

1. **Giacomo Gerosa**, 2021. Il respiro della foresta: quando la fisica incontra l'ecologia. *MantovaScienza*, 14/04/2021. ORAL PRESENTATION (INVITED LECTURE)
2. **Giacomo Gerosa**, 2021. Il respiro della foresta: quando la fisica incontra l'ecologia. *Festival Scienza Verona*, 18/03/2021. ORAL PRESENTATION (INVITED LECTURE)
3. **Giacomo Gerosa**, 2020. La farfalla, l'elefante e il paradigma della crescita infinita. Dialogo ecologico sulla sostenibilità. *MeetMeTonight 2020 – Notte dei Ricercatori*, 27/11/2020, Brescia. ORAL PRESENTATION (INVITED LECTURE)
4. **Giacomo Gerosa**, 2019. Quante storie sulla CO2 di origine antropica: il clima è già cambiato anche in passato e non per colpa dell'uomo! ...o No? Due parole su alcuni miti dei negazionisti del cambiamento climatico. *MeetMeTonight - Notte dei ricercatori 2019*. Brescia, 27 Settembre 2019. ORAL PRESENTATION (INVITED LECTURE)
5. **Giacomo Gerosa**, Riccardo Marzuoli, Angelo Finco, Robert Monga, 2014. Piante spazzine e servizi ecosistemici: come le piante contribuiscono a ripulire l'aria... facendosi del male. *MeetMeTonight (Notte dei ricercatori) 2014*. Brescia, 25 Settembre 2014. ORAL PRESENTATION (INVITED LECTURE)
6. **Giacomo Gerosa**, 2013. Il respiro della foresta. *BergamoScienza 2013*, S. Giovanni Bianco (BG), 12 Ottobre 2013, ORAL PRESENTATION (INVITED LECTURE)

B3.2 High Schools Conferences (only last 10 years)

7. **Giacomo Gerosa**, 2020. Quante storie sulla CO2 di origine antropica: il clima è già cambiato anche in passato e non per colpa dell'uomo! ...O No? Due parole su alcuni miti dei negazionisti del cambiamento climatico. Liceo Machiavelli, Pioltello (MI), 21/10/2020
8. **Giacomo Gerosa**, 2020. Il respiro della foresta: quando la fisica incontra l'ecologia. Liceo Machiavelli, Pioltello (MI), 21/10/2020
9. **Giacomo Gerosa**, 2020. I miti più popolari dei negazionisti del cambiamento climatico. Liceo "Golgi", Breno (BS), 11/02/2020
10. **Giacomo Gerosa**, 2017. A qualcuno piace caldo! Il cambiamento climatico alle porte di casa nostra. Liceo "Bagatta", Desenzano (BS), 15/05/2017
11. **Giacomo Gerosa**, 2017. Il respiro della foresta. Istituto di Istruzione Superiore Statale "Rigoni Stern", Bergamo, 24/02/2017
12. **Giacomo Gerosa**, Riccardo Marzuoli, 2014. Aria e Inquinanti dell'aria. Laboratori Didattici per le Scuole, Liceo Canossiane, Brescia, 06/12/2014
13. **Giacomo Gerosa**, Riccardo Marzuoli, 2014. Il respiro delle piante. Laboratori Didattici per le Scuole, Università di Brescia, Brescia, 11-13 Novembre 2014
14. **Giacomo Gerosa**, Riccardo Marzuoli, Angelo Finco, 2014. La rimozione degli inquinanti da parte degli ecosistemi. Liceo "Moretti", Gardone V.T. (BS), 08/04/2014
15. **Giacomo Gerosa**, Riccardo Marzuoli, Angelo Finco, 2014. Il respiro della foresta. Istituto di Istruzione Superiore Statale "Olivelli-Putelli", Darfo-Boario T. (BS), 01/04/2014
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B3.3 Other

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2. **Giacomo Gerosa**, 2021. La farfalla, l'elefante e il paradigma della crescita infinita. Dialogo ecologico sulla sostenibilità. EarthDay2021, Mapello (BG), 22/04/2021. ORAL PRESENTATION
3. **Giacomo Gerosa**, 2020. Agricoltura e qualità dell'aria. CittadiniPerL'Aria, Fondazione CARIPLO, Milano, 03/11/2020, ORAL PRESENTATION (INVITED LECTURE)
4. **Giacomo Gerosa**, 2020. Riscaldamento a legna tra cambiamenti climatici e qualità dell'aria: quanto ne sappiamo? Sala Conferenze Bcc, Viale Giuseppe Garibaldi, 3 Aosta, 15 Ottobre 2020
5. **Giacomo Gerosa**, 2020. I miti più popolari dei negazionisti del cambiamento climatico. Friday4Future, Mapello (BG), 13/03/2019. ORAL PRESENTATION (INVITED LECTURE)
6. **Giacomo Gerosa**, 2019. A qualcuno piace caldo! Il cambiamento climatico alle porte di casa nostra. Friday4Future, Mapello (BG), 15/03/2019. ORAL PRESENTATION (INVITED LECTURE)
7. **Giacomo Gerosa**, 2015. Scienza oggi. Corso di aggiornamento sulla Comunicazione Scientifica, Ordine dei giornalisti, Milano, 02/07/2015. ORAL PRESENTATION (INVITED LECTURE)
8. **Giacomo Gerosa**, Stanislav Cieslik, 2015. Scienza, pubblico e informazione. Corso di aggiornamento sulla Comunicazione Scientifica, Ordine dei giornalisti, Milano, 02/07/2015. ORAL PRESENTATION (INVITED LECTURE)
9. **Giacomo Gerosa**, 2015. Fare scienza, un problema di metodo. Corso di aggiornamento sulla Comunicazione Scientifica, Ordine dei giornalisti, Milano, 02/07/2015. ORAL PRESENTATION (INVITED LECTURE)

Brescia, 05/05/2022