

PUBLICATIONS STEFANO DELLA CHIESA

More info in [ORCID](#), [Google Scholar](#), [ResearchGate](#), [Scopus](#)

PUBLICATIONS BEFORE IOER

PEER REVIEWED

- Lembrechts, J. J.; et al. Global Maps of Soil Temperature. *Global Change Biology* **2022**, 28 (9), 3110–3144. <https://doi.org/10.1111/gcb.16060>
- Genova, G.; Della Chiesa, S.; Mimmo, T.; Borruso, L.; Cesco, S.; Tasser, E.; Matteazzi, A.; Niedrist, G. Copper and Zinc as a Window to Past Agricultural Land-Use. *Journal of Hazardous Materials* **2022**, 424, 126631. <https://doi.org/10.1016/j.jhazmat.2021.126631>
- Veronika Fontana; Georg Niedrist - -, Institute for Alpine Environment; Julia Seeber; Michael Steinwandter; Andreas Hilpold; Elia Guariento; Johannes Klotz; Della Chiesa, S.; Alessandro Zandonai; Filippo Colla; Erich Ignaz Tasser; Nikolaus Obojes; Giacomo Bertoldi; Ulrike Tappeiner. Photo Story: Research Activities at the Dry Grassland Sites in the LTSER Site Matsch/Mazia Valley, Italy. *Palaeartic Grasslands* **2021**, No. 48, 22–26. <https://doi.org/10.21570/EDGG.PG.48.22-26>
- Palma, M.; Zandonai, A.; Cattani, L.; Klotz, J.; Genova, G.; Brida, C.; Andreatta, N.; Niedrist, G.; Della Chiesa, S. Data Browser Matsch | Mazia: Web Application to Access Microclimatic Time Series of an Ecological Research Site. *Research Ideas and Outcomes* **2021**, 7. <https://doi.org/10.3897/rio.7.e63748>
- Henzen, C.; Della Chiesa, S.; Bernard, L. Recommendations for Future Data Management Plans in Earth System Sciences. *AGILE: GIScience Series* **2021**, 2, 1–7. <https://doi.org/10.5194/agile-giss-2-31-2021>
- Della Chiesa, S.; Vianello, A.; Tritini, S.; Piva, A. AlpConv Atlas: The Geospatial Content Management System of the Alpine Convention. *Research Ideas and Outcomes* **2021**, 7, e66106. <https://doi.org/10.3897/rio.7.e66106>
- Genova, G.; Rossi, M.; Niedrist, G.; Della Chiesa, S. Meteo Browser South Tyrol: A Shiny App to Download the Meteorological Time Series from the Open Data Catalogue of the Province of Bolzano/Bozen - Italy. *Research Ideas and Outcomes* **2019**, 5, e35894. <https://doi.org/10.3897/rio.5.e35894>
- Della Chiesa, S.; la Cecilia, D.; Genova, G.; Balotti, A.; Thalheimer, M.; Tappeiner, U.; Niedrist, G. Farmers as Data Sources: Cooperative Framework for Mapping Soil Properties for Permanent Crops in South Tyrol (Northern Italy). *Geoderma* **2019**, 342, 93–105. <https://doi.org/10.1016/j.geoderma.2019.02.010>
- Della Chiesa, S.; Genova, G.; Cecilia, D. la; Niedrist, G. Phytoavailable Phosphorus (P₂O₅) and Potassium (K₂O) in Topsoil for Apple Orchards and Vineyards, South Tyrol, Italy. *Journal of Maps* **2019**, 15 (2), 555–562. <https://doi.org/10.1080/17445647.2019.1633962>
- Brenner, J.; Genova, G.; Bertoldi, G.; Niedrist, G.; Della Chiesa, S. SWCalibrateR: Interactive, Web – Based Calibration of Soil Moisture Sensors. *Journal of Open Research Software* **2019**, 7 (1), 20. <https://doi.org/10.5334/jors.254>
- Mair, E.; Leitinger, G.; Della Chiesa, S.; Niedrist, G.; Tappeiner, U.; Bertoldi, G. A Simple Method to Combine Snow Height and Meteorological Observations to Estimate Winter Precipitation

- at Sub-Daily Resolution. *Hydrological Sciences Journal* **2016**, 61 (11), 2050–2060.
<https://doi.org/10.1080/02626667.2015.1081203>
- Della Chiesa, S.; Bertoldi, G.; Niedrist, G.; Obojes, N.; Endrizzi, S.; Albertson, J. D.; Wohlfahrt, G.; Hörtnagl, L.; Tappeiner, U. Modelling Changes in Grassland Hydrological Cycling along an Elevational Gradient in the Alps. *Ecohydrology* **2014**, 7 (6), 1453–1473.
<https://doi.org/10.1002/eco.1471>
 - Pelorosso, R.; Della Chiesa, S.; Tappeiner, U.; Leone, A.; Rocchini, D. Stability Analysis for Defining Management Strategies in Abandoned Mountain Landscapes of the Mediterranean Basin. *Landscape and Urban Planning* **2011**, 103 (3), 335–346.
<https://doi.org/10.1016/j.landurbplan.2011.08.007>
 - Bertoldi, G.; Notarnicola, C.; Leitinger, G.; Endrizzi, S.; Zebisch, M.; Della Chiesa, S.; Tappeiner, U. Topographical and Ecohydrological Controls on Land Surface Temperature in an Alpine Catchment. *Ecohydrology* **2010**, 3 (2). <https://doi.org/10.1002/eco.129>

CONFERENCES, WORKING PAPERS, PRESENTATIONS, ETC.

- Georg Niedrist; Giacomo Bertoldi; Alessandro Zandonai; Della Chiesa, S.; Johannes Klotz; Nikolaus Obojes; Veronika Fontana; Roberta Bottarin; Ulrike Tappeiner. Micrometeorological Monitoring in the Alpine Long Term Socio-Ecological Research Site IT25: Val Mazia/ Matschertal–Italy, **2021**.
<https://bia.unibz.it/esploro/outputs/991006185497901241>
- Fontana, V.; Niedrist, G.; Bottarin, R.; Comiti, F.; Bertoldi, G.; Della Chiesa, S.; Klotz, J.; Obojes, N.; Scotti, A.; Seeber, J.; Steinwandter, M.; Tasser, E.; Zandonai, A.; Engel, M.; Wohlfahrt, G.; Tappeiner, U. IT25 Val Di Mazia / Matschertal. In *La Rete Italiana per la Ricerca Ecologica di Lungo Termine. Lo studio della biodiversità e dei cambiamenti*; CNR Edizioni, **2021**; pp 737–762. <https://doi.org/10.5281/zenodo.5570272>
- Veronika Fontana; Georg Niedrist; Giacomo Bertoldi; Alessandro Zandonai; Johannes Klotz; Alberto Scotti; Roberta Bottarin; Christian Brida; Julia Seeber; Michael Steinwandter; Andreas Hilpold; Elia Guariento; Erich Ignaz Tasser; Nikolaus Obojes; Della Chiesa, S.; F Comiti; K Koinig; Ulrike Tappeiner. 10 Jahre Ökologische Forschung Im Matschertal = 10 Anni Di Ricerca Ecologica in Val Di Mazia, **2020**.
<https://bia.unibz.it/esploro/outputs/991005983151401241>
- Genova, G.; Niedrist, G.; Della Chiesa, S.; Tasser, E.; Borruso, L.; Cesco, S.; Mimmo, T. *Effects of Land Use History on Heavy Metals Concentration in Agricultural Soils*; EGU2020-20363; Copernicus Meetings, **2020**. <https://doi.org/10.5194/egusphere-egu2020-20363>
- Peratoner, G.; Niedrist, G.; Figl, U.; Della Chiesa, S.; Vitalone, L.; Matteazzi, A. Effect of Growing Degree Days and Soil Moisture on Forage Quality; Distributed by European Grassland Federation EGF: Helsinki; pp 130–132, **2020**. <https://hdl.handle.net/10863/17318>
- Niedrist, G.; Zandonai, A.; Della Chiesa, S.; Brida, C.; Klotz, J.; Giacomo Bertoldi; Veronika Fontana; Ulrike Tappeiner. Towards a Fully Monitored Open Air Laboratory: 10 Years of Spatially Distributed Microclimatic Measurements in the LTSER Site Matsch | Mazia (ITA), **2019**. <https://hdl.handle.net/10863/12667>
- Genova, G.; Niedrist, G.; Della Chiesa, S.; Tappeiner, U.; Cesco, S.; Mimmo, T. The Effect of Copper Toxicity on the Interaction of Trace Metals in Agricultural Soils: South Tyrol as a Case Study, **2019**. <https://hdl.handle.net/10863/12722>

- Della Chiesa, S.; Genova, G.; Hafner, H.; Niedrist, G. Monitoring and Modelling Water Needs and Soil Properties of Apple Orchards Fields in South Tyrol, **2019**.
<https://hdl.handle.net/10863/12675>
- Brida C.; Bertoldi G.; Niedrist G.; Zandonai A.; Della Chiesa S.; Klotz j.; Obojes N.; Fontana V.; Tappeiner U. Ten Years of Micrometeorological Monitoring in the Alpine Long Term Socio-Ecological Research Site IT25 - Val Mazia/Matschertal, Italy, **2019**.
<https://hdl.handle.net/10863/12673>
- Bertoldi, G.; Brida, C.; Niedrist, G.; Zandonai, A.; Della Chiesa, S.; Klotz, J.; Obojes, N.; Fontana, V.; Tappeiner, U. Climatic Monitoring in an Alpine Long Term Socio-Ecological Research Site, **2019**. <https://hdl.handle.net/10863/12764>
- Niedrist, G.; Della Chiesa, S.; Wiederm, R.; Hafner, H. Bedarfsorientierte Bewässerung im Südtiroler Obstbau, **2017**. <https://hdl.handle.net/10863/19859>
- Della Chiesa, S.; la Cecilia, D.; Niedrist, G.; Hafner, H.; Thalheimer, M.; Tappeiner, U. Improving Irrigation Efficiency in Italian Apple Orchards: A Large-Scale Approach, **2016**.
<https://meetingorganizer.copernicus.org/EGU2016/EGU2016-13164.pdf>
- Brenner, J. G.; Bertoldi, G.; Della Chiesa, S.; Niedrist, G.; Tappeiner, U.; Bronstert, A. Modeling Impacts of Climate Change on Evapotranspiration and Soil Moisture Spatial Patterns in an Alpine Catchment, **2014**. <https://meetingorganizer.copernicus.org/EGU2014/EGU2014-10838.pdf>
- Della Chiesa, S.; Bertoldi, G.; Niedrist, G.; Obojes, N.; Endrizzi, S.; Albertson, J. D.; Hoertnagl, L.; Wohlfahrt, G.; Tappeiner, U. Hydrological Cycling of Alpine Grassland along an Elevation Gradient in an Inner Dry Alpine Valley, **2014**.
<https://meetingorganizer.copernicus.org/EGU2014/EGU2014-9918.pdf>
- Bertoldi, G.; Della Chiesa, S.; Engel, M.; Niedrist, G.; Endrizzi, S.; Dall'Amico, M.; Cordano, E.; Tappeiner, U.; Rigon, R. Process-Based Modeling of Vegetation Dynamics, Snow, Evapotranspiration and Soil Moisture Patterns in an Alpine Catchment, **2014**.
<https://core.ac.uk/download/pdf/145641906.pdf>
- Notarnicola, C.; Bertoldi, G.; Rastner, P.; Irsara, L.; Mögl, N.; Della Chiesa, S.; Endrizzi, S.; Rist, A.; Zebisch, M. Using Snow Cover Data from Remote Sensing, Hydrological Modeling and Ground Measurements for Water Budget Estimation, **2010**.
http://www.enveo.at/coldhydro2010/files/Poster_Notarnicola.pdf.
- Della Chiesa, S.; Bertoldi, G.; Wohlfahrt, G.; Rist, A.; Niedrist, G.; Albertson, J. D.; Tappeiner, U. Modelling Vegetation Dynamics for Alpine Meadows, **2010**.
<https://meetingorganizer.copernicus.org/EGU2010/EGU2010-10160-1.pdf>
- Bertoldi, G.; Notarnicola, C.; Leitinger, G.; Endrizzi, S.; Zebisch, M.; Della Chiesa, S.; Tappeiner, U. Using Landsat Land Surface Temperature to Assess the Spatial Consistency of a Distributed Hydrological Model in Alpine Environments, **2010**.
<https://meetingorganizer.copernicus.org/EGU2010/EGU2010-10386.pdf>
- Bertoldi, G.; Della Chiesa, S.; Niedrist, G.; Rist, A.; Tasser, E.; Tappeiner, U. Space-Time Evolution of Soil Moisture, Evapotranspiration and Snow Cover Patterns in a Dry Alpine Catchment: An Interdisciplinary Numerical and Experimental Approach, **2010**.
<https://meetingorganizer.copernicus.org/EGU2010/EGU2010-12109.pdf>
- Boccia, L.; Pelorosso, R.; Della Chiesa, S. Lettura Storica Del Cambiamento d'uso Dei Suoli. *Estimo e territorio* **2007**, 70 (12), 28–35.
<https://biblio.liuc.it/scripts/essper/ricerca.asp?tipo=scheda&codice=2141491>