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SOMMARIO

Paolo Tarolli è Professore Associato (abilitazione I fascia ottenuta nel 2018) presso l'Università degli Studi di Padova, docente in *Integrated Watershed Management* e *Water Resources Management*, e coordinatore del gruppo di ricerca *Earth Surface Processes and Society*. Ricopre l'incarico di Visiting Professor presso la Dalian University of Technology (P.R. Cina) e di Adjunct Professor presso la University of Georgia (USA) e Alexandru Ioan Cuza University of Iasi (Romania). È *Deputy President* della Natural Hazard division per la European Geosciences Union (EGU) e *Vice Presidente* della 7th sezione (Tecnologie informatiche e della comunicazione) della Associazione Italiana di Ingegneria Agraria (AIIA). Tratta tematiche inerenti la geomorfologia, l'idrologia di bacini idrografici e fenomeni erosivi in ambito agrario, la tecnologia lidar e la tecnica di fotogrammetria SfM per la ricostruzione di modelli digitali del terreno, GIS.

Tarolli è *Chief Executive Editor* della rivista *Natural Hazards and Earth System Sciences*. È *Associate Editor* delle riviste *Remote Sensing*, *Land Degradation & Development* e membro del comitato editoriale di altre 8 riviste internazionali. Tarolli è autore di 128 articoli pubblicati (2 revisioni su invito) riviste internazionali con i seguenti indici bibliometrici: Google Scholar (**h-index 40**, tot. citazioni 5555, numero di articoli con 100+ citazioni 15, numero di articoli con 200+ citazioni 5, numero di articoli con 300+ citazioni 1), SCOPUS (**h-index 36**, tot. citazioni 4133). È stato inserito nella lista dei **100,000 scienziati più citati al mondo** (*Plos Biology*: <https://doi.org/10.1371/journal.pbio.3000918>).

È stato relatore su invito più di 20 presentazioni (3 keynote talks) in istituti di ricerca internazionali e Accademie straniere di alta qualificazione (Princeton University, Ecole Polytechnique Fédérale de Lausanne, Beijing Normal University, Dalian University of Technology, Tongji University, AgroParisTech, Massey University, National Cheng Kung University, China University of Geosciences, Guangzhou University, Chinese Academy of Sciences) ed a conferenze internazionali (IGC, AAG, ISPRS, RGS-IBG, AOGS-AGU, Soil Science Society of China). È (ed è stato) membro del panel di valutazione per i progetti internazionali FTC (Portogallo), FWO (Belgio), NERC (UK), NCN (Polonia); revisore per MIUR, Netherlands Organization for Scientific Research (NWO), U.S. National Science Foundation (NSF), International Swiss National Science Foundation (SNSF), Natural Environment Research Council (NERC), National Science Centre (NCN) of Poland, Natural Sciences and Engineering Research Council of Canada, FWF Austrian Science Fund, MIUR. È membro delle società scientifiche AGU, EGU, BSG, AIIA.

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FORMAZIONE

- 2006 **Dottorato di ricerca:** Gestione Ambientale dei Bacini Idrografici e Tecniche di Rappresentazione del Territorio, con tesi dal titolo “*Metodi per l’analisi integrata della stabilità dei versanti*”, Università degli Studi di Padova
- 2003 **Esame di Stato:** abilitazione alla professione di dottore agronomo e forestale, regolarmente iscritto all’albo dei dottori agronomi e forestali di Brescia dal 2003.
- 2002 **Master 1° livello:** Difesa e Manutenzione del Territorio, con tesi dal titolo “*Impiego di sensori remoti per l’analisi e distribuzione di fenomeni particolarmente intensi sul territorio*”, Università degli Studi di Padova
- 2001 **Laurea:** Scienze Forestali ed Ambientali, con tesi dal titolo “*Utilizzo del Radar Meteorologico per il monitoraggio dei fenomeni meteorologici intensi*”, Università degli Studi di Padova

CARRIERA

- 2020 – presente **Visiting Professor:** Dalian University of Technology, Beijing (P.R. China)
- 2018 – presente **Adjunct Professor:** Alexandru Ioan Cuza University of Iași (Romania)
- 2017 – presente **Adjunct Professor:** University of Georgia (USA)
- 2017 **Visiting Professor:** Guangzhou University, Beijing (P.R. China)
- 2015 – presente **Professore Associato:** Dipartimento TESAF, Università degli Studi di Padova
- 2013 – 2019 **Visiting Professor:** China University of Geosciences, Beijing (P.R. China)
- 2011 – 2014 **Ricercatore:** Dipartimento TESAF, Università degli Studi di Padova
- 2011 – 2013 **Visiting Professor:** Earth Sciences Dep., National Cheng Kung University (Taiwan)
- 2011 **Visiting Professor:** School of Architecture, Civil and Environmental Engineering, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland
- 2010 **Ricercatore Marie Curie:** Institute of Inland Waters, Hellenic Centre for Marine Research (Greece)
- 2012 – 2013 **Professore Aggregato:** Università Politecnica delle Marche
- 2009 – 2011 **Professore a Contratto:** Università Politecnica delle Marche
- 2008 **Visiting Scholar:** Civil Engineering Dept. and St. Anthony Falls Laboratory, University of Minnesota, USA
- 2006 – 2010 **Assegnista di Ricerca:** Dipartimento TESAF, Università degli Studi di Padova
- 2005 **Visiting Scholar:** Civil and Env. Eng. Dept., Utah State University, USA

ATTIVITÀ DIDATTICA

- 2021 *Antropocene, Paesaggio, Acqua, Suolo* | Università di Padova (42 hr, 6 CFU)
- 2017 *Earth surf proces analysis with GIS & lidar* | Guangzhou University, P.R. China (16 hr)
- 2014 – presente *Water Resources Management* | Università di Padova (48 hr, 6 CFU)
- 2014 – presente *Applicazioni GIS in agricoltura* | Università di Padova (32 hr, 4 CFU)
- 2013 – 2019 *Digital Terrain Analysis* | China University of Geosciences, P.R. China (32 hr, 2 credits)
- 2013 *Digital Terrain Analysis* | National Cheng Kung University, Taiwan (50 hr, 3 credits)
- 2011 – presente *Integrated Watershed Management* | Università di Padova (48 hr, 6 CFU)
- 2012 – 2013 *Sistemazioni Idraulico-Forestali* | Università Politecnica delle Marche (54 hr, 6 CFU)
- 2009 – 2011 *Sistemazioni Idraulico-Forestali* | Università Politecnica delle Marche (45 hr, 5 CFU)

SUPERVISIONE: ASSEGNISTI, DOTTORANDI E TESISTI

Post Dottorato

Supervisore (tot. 3): Anton Pijl (2020-2021); Sara Cucchiario (2019-2020); Giulia Sofia (2013-2018) vincitrice EGU Arne Richter Award 2019

Dottorandi

Supervisore (tot. 8): Wendi Wang (2020-2023), Luca Mauri (2019-2022), Zhang Qifei (2018-2021), Anton Pijl (2017-2020), Wenfang Cao (2017-2019)(EGU ECSTS award), Eros Borsato (2017-2019)(EGU ECSTS award), Giulia Roder (2016-2018), Massimo Prosdociami (2014-2017)

Co-Supervisore (tot. 4): Kamila Pawłuszek (2017-2019) at Wroclaw University of Environmental and Life

Sciences; Jie Xiang (2015-2018) at China University of Geosciences in Beijing; Jin Wang (2014-2018) at Chinese Academy of Science; Ke Li (2013-2015) at China University of Geosciences in Beijing

Tesi di laurea magistrali

Supervisore (tot. 30) - Andrea Totti (2020-21), Elia Bortoletti (2020), Sofia Michieli (2020), Luigi Mancin (2020), Lorenzo Arcari (2020), Giacomo Nalin (2019), Eugenio Straffelini (2018), Edoardo Quarella (2018), Gaetano Imperatore (2018), Luca Mauri (2018), Michele Tosoni (2017), Loris Torresani (2017), Francesca Breda (2017), Elena Feo (2017), Manuel Stefani (2017), Jessica de Marco (2016), Federica Varisco (2016), Davide Todeschini (2016), Marco Cecchin (2016), Giulia Lo Re (2016), Federica Basso (2016), Nicoletta Pradetto Sordo (2016), Gianluca Favaro (2015), Alberto Bollettin (2015), Giulia Roder (2014), Valeria Contessa (2014), Francesca Savio (2013), Massimo Prosdociami (2013), Manuela Mancini (2012), Francesca Brutti (2012)

Co-Supervisore (tot. 3) – Aurora Ghirardelli (2019); Esmee Goudriaan (2020) ed Anton Pijl (2017) presso Wageningen University and Research.

PROGETTI DI RICERCA (ultimi 5 anni)

2019 – 2022	<i>SOiLUTION SYSTEM</i> - Innovative solutions for soil erosion risk mitigation and a better management of vineyards in hills and mountain landscapes (PSR Veneto 2014-2020) 450,000 € (Coordinatore Scientifico)
2019 – 2022	<i>FITOCHE</i> - From field to cheese (PSR Veneto 2014-2020) 300,000 € (PI - WP4)
2018 – 2023	<i>TerrACE</i> - Terrace Archaeology and Culture in Europe (EU H2020 ERC-AdG) 2,600,000 € (PI - WP1)
2018 – 2021	<i>ViTe</i> - Vineyard Terraced landscapes: understanding the Environmental constraints to improve sustainable managements (University of Padova) 60,000€ (PI)
2016 – 2018	<i>HighLandDEM</i> - High-resolution Digital Elevation Models (DEM) in rainfed Mediterranean cultivated Landscapes for long-term monitoring of artificial features with hydrological impact (ENVIMED French cooperation initiative) 18,000€ (PI - WP2)
2014 – 2020	<i>NIP</i> - New industrial plan for dairy sector (POR FESR – Veneto Region) 608,024€

LEADERSHIP

2019 – presente	Vice Presidente Natural Hazards Division, European Geosciences Union (EGU).
2018 – presente	Coordinatore del gruppo di ricerca Earth Surface Processes and Society (https://www.linkedin.com/in/earthsurfs/)
2018 – presente	Vice Presidente 7th sezione (tecnologie informatiche e della comunicazione), Associazione Italiana Ingegneria Agraria (AIIA).
2016 – 2019	Committee Chair of the European Geosciences Union SSS subdivision SSS12: <i>Material and Methods in Soil Science</i>
2015 – 2019	Science Officer of the European Geosciences Union NH subdivision <i>NH6: Remote Sensing & Hazards</i>
2014	Director: UNIPD-NCKU (Italy-Taiwan) Joint Summer School 2014 “ <i>Natural Hazards in the Italian Alps</i> ”
2013	Director: EGU Summer School 2013 “ <i>Understanding Earth-Surface Processes in the Alpine Environment from High Resolution Topography</i> ”

RESPONSABILITÀ ACCADEMICHE

2020 – 2026	Coordinatore Scientifico accordo collaborazione accademica tra Beijing Forestry University e Università di Padova
2019 – 2023	Coordinatore/Referente Commissione Terza Missione e Comunicazione del Dip. TESAF dell’Università di Padova
2018 – 2022	Promotore della co-tutela di dottorato tra China University of Geosciences e Università di Padova
2017 – 2022	Coordinatore Scientifico del Memorandum of Understanding tra Massey University (NZ), University of Lincoln (UK) e Università di Padova.
2017 – 2022	Coordinatore Scientifico del Memorandum of Understanding tra China University of Geosciences e Università di Padova.
2012 – 2019	Membro della Commissione internazionalizzazione di dipartimento. Dept. of Land,

Environment, Agriculture and Forestry, Università di Padova.
 2012 – 2015 **Membro della Commissione** di valutazione della ricerca VQR di dipartimento. Dept. of Land, Environment, Agriculture and Forestry, Università di Padova.

FELLOWSHIPS

2014 *Visiting Professor Appointment Agreement of Distinguished Scholars* at China University of Geosciences in Beijing (P.R. China)
 2013 *Visiting Professor Appointment Agreement of Distinguished Scholars* at National Cheng Kung University (Taiwan)
 2010 **Marie Curie Fellow** – Excellence Grant for Experienced Researcher at the Hellenic Center for Marine Research (Greece)

PREMI – RICONOSCIMENTI

2020 Inserito nella lista dei **100,000 top world's most cited scientists** (<https://doi.org/10.1371/journal.pbio.3000918>)
 2019 **Publons Peer Review Awards** in *Cross-Field* and in *Geosciences*
 2018 **Publons Peer Review Awards** in *Geosciences* and in *Environment/Ecology*
 2018 **Outstanding Contribution in Reviewing** for the journal *Science of the Total Environment, Land Use Policy, Geomorphology, Environmental Research, Int. J. Appl. Earth Obs. And Geoinf., Int. J. Disaster Risk Reduction*
 2017 **Outstanding Editor** *Journal of Mountain Science*
 2017 **Outstanding Contribution in Reviewing** for the journal *Adv. Wat. Res., J. of Hydrology*
 2017 **Publons Peer Review Awards** in *Environmental Science, Remote Sensing, and Earth and Planetary Science*
 2016 **Outstanding Contribution in Reviewing** for the journal *Catena*
 2015 **Outstanding Contribution in Reviewing** for the journal *Geomorphology, Earth Science Reviews*
 2012 **Best Poster Award**, XXXIII Italian Conference of Hydraulics and Hydraulic Constructions
 2011 **Editors' Citation** for Excellence in Refereeing for WRR given by American Geophysical Union
 2010 **Outstanding Reviewer** for the *Journal of Hydrologic Engineering*, ASCE
 2010 **Best Poster Award**, XXXII Italian Conference of Hydraulics and Hydraulic Constructions

PANEL VALUTAZIONE: PROGETTI DI RICERCA DI ECCELLENZA E PREMI

Membro panel di valutazione

2021 Earth sciences (ST10) Expert Panel, **National Science Centre (NCN)**(Polonia)
 2021 Membro del WT 8 Fellowship panel on Sciences of the Earth and Space - **Research Foundation Flanders (FWO)** (Belgio)
 2020 – 2021 **Co-Chair** del Panel **Fundação para a Ciência e a Tecnologia FTC** (Portogallo) (*tot. 4 progetti valutati*)
 2020 – presente Membro del Review College **Fonds Wetenschappelijk Onderzoek FWO** (Belgio)
 2019 – presente Membro del **Comitato ECS award EGU Natural Hazards Division** (European Geosciences Union)
 2018 Membro del **Panel NERC: Newton Fund** (United Kingdom) (*tot. 7 progetti valutati*)

Revisore

2013 – presente (*tot. 17 progetti revisionati*): Ministero dell'Istruzione dell'Università e della Ricerca (MIUR), Ministry of Education and Science (Republic of Kazakhstan), U.S. National Science Foundation (NSF), Netherlands Organization for Scientific Research (NWO), National Science Centre (NCN) of Poland, Natural Sciences and Engineering Research Council of Canada, Swiss National Science Foundation (SNSF), FWF Austrian Science Fund, EU Commission.

PANEL VALUTAZIONE DOTTORATO

2011 – presente **Dottorato** (tot. 5 commissioni): Montpellier SupAgro - INRA (France); University of Trieste (Italy); Ecole Polytechnique Fédérale de Lausanne (Switzerland); University of Genova (Italy); Ecole Nationale Supérieure des Mines de Saint-Etienne, Alès (France)

COMITATI EDITORIALI RIVISTE

Chief Executive Editor: NHESS (Copernicus)

Associate Editor (tot. 2): Land Degradation & Development (Wiley), Remote Sensing (MDPI)

Editorial Board Member (tot. 8): iScience (Cell Press), Earth Surface Processes and Landforms (Wiley), Anthropocene (Elsevier), International Soil and Water Conservation Research (Elsevier), Geography and Sustainability (Elsevier), Journal of Mountain Science (Springer), Heliyon (Cell Press), Quaternary (MDPI)

ATTIVITÀ REVISORE

tot. 364 papers revisionati, <https://publons.com/researcher/1191792/paolo-tarolli/> per riviste internazionali fra cui Science, Nature Communications, Scientific Reports.

ATTIVITÀ DI PUBLIC ENGAGEMENT

Social Media

Amministratore pagina Earth Surface Processes & Society tot. 14578 followers): Facebook (2454 followers), LinkedIn (10243 followers), WeChat (1255 followers), Twitter (455 followers), Instagram (181 followers)

Eventi Pubblici

- 2020 **Organizzatore & Chairman:** Webinar Internazionale “Remote Sensing for land degradation analysis and sustainable management of agroforestry systems”
(tot. 257 partecipanti)
- 2020 **Organizzatore & Moderatore:** “Cambiamenti climatici e foreste: una sfida per la sostenibilità”, Festival Sviluppo Sostenibile 2020
(tot. 151 partecipanti, 1295 visualizzazioni Facebook, 247 visualizzazioni Youtube)
- 2020 **Organizzatore con Tutela Vini Soave:** convegno “La tutela attiva della Val d’Alpone”, In occasione dell’inaugurazione della 2° Fiera dei Prodotti Agricoli della Val d’Alpone e Val Tramigna (partecipazione 7 sindaci, associazioni di categoria, liberi professionisti, cittadini)
- 2019 **Organizzatore con Coldiretti Padova:** serata per i cittadini, al teatro comunale di Galzignano Terme, per divulgare i risultati della ricerca su quantificazione e geolocalizzazione danni da cinghiali nel Parco Colli Euganei.
(150 partecipanti: Assessore Agricoltura Regione Veneto, Presidente e Direttore Federazione Coldiretti Padova, associazione cacciatori, tecnici, ambientalisti, direttore Parco Colli Euganei, cittadini)

IMPATTO MEDIATICO DELL’ATTIVITÀ DI RICERCA SU STAMPA

Progetto Soilution System (risultati del progetto)

Gambero Rosso, VineNews, Qwine, l’Arena di Verona, Venezia Channel, Foodaffairs, Encicario, Coldiretti Verona, Civiltà del bere, Veronaeconomia,

Quantificazione e geolocalizzazione danni da Cinghiali (articolo pubblicato su Earth Surf. Proc. Land.)
Il Corriere della Sera, Il Gazzettino, Il Mattino, Padova Oggi, TG Padova, ANBI Veneto, Coldiretti magazine nazionale, La Dea della Caccia, BigHunter, Cacciando

Quantificazione e geolocalizzazione danni da Nutria (articolo pubblicato su Earth Surf. Proc. Land.)
Radio RAI due (Caterpillar), Il Corriere della Sera, Il Sole 24 Ore, Il Gazzettino, Il Mattino, Il Giornale di Vicenza, L’Arena di Verona, Oggi Treviso, ANBI Veneto, Qdpnews, Virgilio, TVIWEB, Il Bolive

Alluvioni e obbligo assicurazioni (articolo pubblicato su Int. J. Disaster Risk Reduction)
Il Giornale di Vicenza

Legnaro (PD), 23 Gennaio 2021

Rischio alluvione in veneto (articolo pubblicato su **Scientific Reports**)

Ansa, Il Giornale di Vicenza, Il Mattino, PadovaOggi, Vigonza, La Difesa del Popolo, L'Azione, Meteoweb, Il Bolive

TRASFERIMENTO DELLA CONOSCENZA E/O CONTRIBUTI ALLE POLITICHE

- 2019 – 2021 **Consorzio Tutela Vini Soave**: Soluzioni innovative di sistema per la riduzione del rischio erosivo e una migliore gestione dei suoli in vigneti di collina e di montagna
- 2017 – 2018 **Federazione Provinciale Coldiretti Padova**: metodologia per la quantificazione e mappatura dei danni da cinghiale a larga scala, al fine di una migliore gestione del problema
- 2012 – 2015 Socio Azienda **Spinoff** Geomatica & Ambiente srl

PRINCIPALI COLLABORAZIONI

Ciprian Margarint, *geomorphology and hazards*, Alexandru Ioan Cuza University of Iasi (Romania)

Erle C. Ellis, *Anthropocene debate*, University of Maryland (USA)

Federico Preti, *agricultural terraces*, University of Florence (Italy)

Jean-Stéphane Bailly, *remote sensing analysis of agricultural landscapes*, AgroParisTech (France)

Jianping Chen, *open-pit mining monitoring with UAV*, China University of Geosciences (P.R. China)

Mark Macklin, *floods & human health in anthropogenic landscapes*, University of Lincoln (UK)

Marco Cavalli, *Earth surface processes analysis with lidar*, CNR Irpi Padova (Italy)

Nunzio Romano, *surface runoff in agriculture*, University of Naples Federico II (Italy)

Tony Brown, *agricultural terraces*, UiT The Arctic University of Norway (Norway)

Xiangzhou Xu, *soil and water conservation*, Dalian University of Technology (P.R. China)

Zhifeng Wu, *human-induced land-use change effect on the environment*, Guangzhou Univ. (P.R. China)

ORGANIZZAZIONE DI CONVEGNI SCIENTIFICI

European Geosciences Union (tot. 29 sessions convened)

EGU2021, NH6.7 "Application of remote sensing and Earth-observation data in natural hazard and risk studies",

EGU2021, SSS11.1/GI6.6 "Development of New Technologies in Soil Conservation and Eco Sustainability",

EGU2020, EBM7 "Editorial board meeting of Natural Hazards and Earth System Sciences (NHES)",

EGU2020, NH6.1/GM2.24 "Application of remote sensing and Earth-observation data in natural hazard and risk studies",

EGU2020, SSS11.4 "Development of new technologies in soil conservation and eco sustainability",

EGU2019, NH6.1/GI3.20/HS11.38 "Application of remote sensing and Earth-observation data in natural hazard and risk studies",

EGU2019, SSS12.3 "New technologies in soil conservation and eco-sustainability: supporting decision making",

EGU2018, HS2.2.3 "Lowlands: A hydrologic challenge in the global environmental change era",

EGU2018, NH6.1/AS5.21/CR7.3/GI2.17/HS11.33/SM3.12/SSS13.54 "Application of remote sensing and Earth-observation data in natural hazard and risk studies",

EGU2018, NH9.4 "Natural hazard impacts on technological systems and infrastructures",

EGU2018, SSS2.3/GM6.11/NH11.2 "Agricultural terraces of the world. Their pedological, geomorphological and hydrological role",

EGU2017, GM13.1/SC1 "Short course in geomorphometry: Getting the most out of DEMs of Difference",

EGU2017, HS2.2.3 "Lowlands: A hydrologic challenge in the global environmental change era",

EGU2017, NH3.12 "Landslide and Landslide Susceptibility Interactions with Transport Lines",

EGU2017, SMP48 "Subdivision SSS12: Material and Methods in Soil Science (public)",

EGU2017, SSS2.16/GM7.7/HS11.50 "Agricultural terraces of the world. Their pedological, geomorphological and hydrological role",

EGU2017, SSS10.8/BG9.6/HS9.11 "Soil Erosion, hydrological processes and biological degradation in worldwide vineyards",

EGU2016, GM6.1/BG7.5/HS11.13/SSS2.22 "Human-Landscape interaction in the Anthropocene",

EGU2016, GM13.1/SC10/SSS12.25 "Digital Terrain Analysis of Anthropogenic Landscapes",

EGU2016, SSS2.10/GM6.8/HS11.29/NH3.19 "Agricultural terraces of the world. Their pedological, geomorphological and hydrological role",

EGU2015, GM4.1 "Human-Landscape interaction in the Anthropocene",
 EGU2015, GM11.3/SC48 "Quantitative interrogation of high-resolution DTMs",
 EGU2015, SSS2.5/GM6.6/HS12.3 "Agricultural terraces of the world. Their pedological, geomorphological and hydrological role",
 EGU2014, GM2.1 "Digital Landscapes: Insights into geomorphological processes from quantitative interrogation and use",
 EGU2014, GM4.1/HS9.12/SSS9.18 "Human-Earth interaction from the Pleistocene to the Anthropocene: state of the science and future direction (co-organized)",
 EGU2013, GM2.1 "Digital Landscapes: Insights into geomorphological processes from high-resolution topography, quantitative interrogation and geomorphological mapping",
 EGU2013, GM4.2/SSS6.12 "Landscape in the Anthropocene: state of the art and future directions",
 EGU2012, GM2.2 "Digital Landscapes: Quantitative Interrogation and Use to Examine Geomorphic Processes",
 EGU2011, GM2.2/NH10.3/PS10.2 "Digital Landscapes: From Laser Scanning and High-resolution Measurement Technologies to Quantitative Interrogation of Geomorphic Processes"

American Geophysical Union (tot. 3 sessions convened)

AGU2020, INV12 - Earth, Agriculture, and Society: Toward Sustainable Development in the Anthropocene
 AGU2018, Fingerprinting the Anthropocene: Observing and Understanding Social Change Across Earth's Landscapes
 AGU2007, H43E/H51L/H52E Remotely Sensed DTMs for Hydrogeomorphic Applications

Italian Association of Agricultural Engineering (tot. 1 webinar organized & chaired)

AIIA2020, Webinar on "Remote Sensing for land degradation analysis and sustainable management of agroforestry systems"

AFFILIAZIONI

2012 – now	Italian Association of Agricultural Engineering (AIIA)
2011 – now	British Society for Geomorphology (BSG)
2006 – now	European Geosciences Union (EGU)
2005 – now	American Geophysical Union (AGU)

PRESENTAZIONI SU INVITO

Convegni scientifici internazionali (tot. 8)

- 2019 *High resolution geomorphologic characterization of conservation agriculture*. [General Assembly 2019 of the Soil Science Society of China](#), Dalian (PR China).
- 2018 *Observing and understanding the impact of socio-economic change on Earth and human health*. [Water and Planetary Health: A Catchment Systems Approach symposium](#) - University of Lincoln, Lincoln (UK).
- 2017 *The geomorphology of humanity*. [The 33rd Romanian Symposium of Geomorphology](#), Iasi (Romania). *Keynote talk*
- 2016 *Roads and agricultural terraces in the mountain areas of the world: their geomorphological and hydrological role*. [The 33rd International Geographical Congress](#), Beijing (P.R. China). *Keynote talk*
- 2016 *Hillslope Processes in Anthropogenic Landscapes*. [AAG Annual Meeting 2016](#), San Francisco (USA).
- 2015 *High-resolution topography for understanding Earth surface processes: Opportunities and challenges*. [ISPRS Geospatial Week 2015](#), Montpellier (FR). *Keynote talk*
- 2015 *Geomorphology & Anthropocene*. [RGS-IBG Annual International Conference](#), Exeter (UK).
- 2012 *Opportunities and challenges from high-resolution topography for understanding earth surface processes*. [AOGS – AGU \(WPGM\) Joint Assembly 2012](#), Singapore.

Accademie internazionali e istituti di ricerca (tot. 18)

- 2020 Digital terrain analysis for soil and water conservation. [Dalian University and Technology](#) (P.R. China). (host: Xiangzhou Xu)

- 2020 *Monitoring and sustainable management of steep-slope agricultural landscapes: the case study of Italy*. [Beijing Normal University](#) (P.R. China). (host: Chengzhong Pan)
- 2019 *Humans and the Earth's Surface*. [Princeton University](#) (USA). (host: Amilcare Porporato)
- 2019 *High-resolution topography for understanding Earth surface processes: opportunities and challenges*. [Dalian University and Technology](#) (P.R. China). (host: Xiangzhou Xu)
- 2017 *The Topographic Signature of Humanity*. [Beijing Normal University](#) (P.R. China). (host: Wenwu Zhao)
- 2016 *Earth surface processes in anthropogenic landscapes*. [Guangzhou University](#) (P.R. China). (host: Wu Zhifeng)
- 2015 *High-resolution topography for understanding Earth surface processes: opportunities and challenges*. Innsbruck Summer School of Alpine Research 2015. (host: [University of Innsbruck](#), Faculty of Geo- and Atmospheric Sciences & International Society for Photogrammetry and Remote Sensing - ISPRS)
- 2015 *Anthropogenic Landscapes: critical issues and future challenges for Earth Science and Society*. [Massey University](#) (New Zealand). (host: Ian Fuller)
- 2014 *Anthropogenic Landscapes: critical issues and future challenges for Earth Science and Society*. Institute of Mountain Hazards and Environment, [Chinese Academy of Sciences](#), Chengdu. (host: Peng Cui)
- 2013 *High-resolution topography: the next chapter for the Earth science*. [China University of Geosciences](#), Beijing. (host: Chen Jianping)
- 2012 *Natural and Engineered Landscapes: new challenges from LiDAR for understanding Earth Surface Processes in the Anthropocene*. [National Cheng Kung University](#), Department of Earth Science, Tainan (Taiwan). (host: Ching-Weei Lin)
- 2011 *New opportunity and future challenges from high-resolution topography for the analysis of Earth Surface Processes*. [Central Geological Survey, Taipei](#) (Taiwan). (host: Chao-Tsiung Lin)
- 2011 *New opportunity and future challenges from high-resolution topography for the analysis of Earth Surface Processes*. [National Cheng Kung University](#), Department of Earth Science, Tainan (Taiwan, R.O.C.). (host: Ching-Weei Lin)
- 2011 *New opportunity and future challenges from high-resolution topography for the analysis of Earth Surface Processes*. [AgroParisTech](#), Montpellier, France. (host: Jean-Stephane Bailly)
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PUBBLICAZIONI (SINTESI)

Paolo Tarolli è autore di 128 articoli pubblicati (2 revisioni su invito) su riviste internazionali con i seguenti indici bibliometrici: Google Scholar (**h-index 40**, tot. citazioni 5555, numero di articoli con 100+ citazioni 15, numero di articoli con 200+ citazioni 5, numero di articoli con 300+ citazioni 1), SCOPUS (**h-index 36**, tot. citazioni 4133). Ha pubblicato anche 1 recensione di film e 3 book review su riviste internazionali, 9 articoli su riviste divulgative nazionali, 12 articoli in libri, 20 articoli in atti di convegni, e 169 contributi (8 su invito) a congressi internazionali/nazionali (45 presentazioni orali, 10 virtuali online, 114 poster). Dal 2020 è inserito nella lista dei **100,000 scienziati più citati al mondo** (<https://doi.org/10.1371/journal.pbio.3000918>) (posizionato n°18101 per il 2019; e n°104049 per l'intera carriera).

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19. Tarolli, P., and Dalla Fontana, G. (2008). Analysis of the headwater basins' morphology by high resolution LiDAR-derived DTM. *International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences*, 36 (5/C55), 297-306, ISSN: 1682-1777.
20. Borga, M., **Tarolli, P.**, Dalla Fontana, G., Cazorzi, F. (2007). Impact of forest roads on subsurface flowpaths and shallow landsliding. IUGG XXIV General Assembly, HW3007, 4762, ISBN: 978-88-95852-24-4.

PROCEEDINGS (CONVEGNI INTERNAZIONALI)

Presentazione orale

1. **Tarolli P.** (2019). High resolution geomorphologic characterization of conservation agriculture. *General Assembly 2019 of the Soil Science Society of China*. [Dalian]. *Invited talk*
2. Pijl A., Quarella E., Reuter L., Vogel T., **Tarolli P.** (2019). UAV-based erosion mapping and modelling for the preservation of terraced cultural landscapes in northern Italy. *Geophysical Research Abstracts*, 21, EGU2019-10794, eISSN: 1607-7962, [Wien]
3. Margarit M.C., Niculita M., **Tarolli P.** (2019). Using UAV and LIDAR data for gullies erosion monitoring. *Geophysical Research Abstracts*, 21, EGU2019-8461, eISSN: 1607-7962, [Wien]
4. Borsato E., Marinello F., Rosa L., **Tarolli P.**, D'Odorico P. (2019). Sustainability assessment of agriculture water use under water scarcity limitation and climate change adaptation. *Geophysical Research Abstracts*, 21, EGU2019-1293, eISSN: 1607-7962, [Wien]
5. **Tarolli, P.** (2018). Observing and understanding the impact of socio-economic change on Earth and human health. *Water and Planetary Health: A Catchment Systems Approach symposium* - University of Lincoln, Lincoln (UK). *Invited talk*
6. Pawłuszek, K., Borkowski, A., **Tarolli, P.** (2018). Multi-aspect analysis of automatic landslide mapping using LiDAR data. *Geophysical Research Abstracts*, 20, EGU2018-9698-1, eISSN: 1607-7962. [Wien]
7. Niculita, M., Ciprian Margarint, M., **Tarolli, P.** (2018). Sediment disconnectivity in lowland North-Eastern Romania induced by landforms, climate and humans. *Geophysical Research Abstracts*, 20, EGU2018-5967-1, eISSN: 1607-7962, [Wien]
8. Pijl, A., Tosoni, M., **Tarolli, P.** (2018). Application of Unmanned Aerial Vehicle (UAV) and Structure-from-Motion (SfM) photogrammetry for the monitoring of vineyard terraced landscapes. *Sixth international congress on mountain and steep slope viticulture*. [Tenerife]
9. **Tarolli, P.** (2017). The geomorphology of humanity. *The 33rd Romanian Symposium of Geomorphology*, Iasi (Romania). *Invited talk - Keynote talk*
10. Ciprian Margarint, M., Niculita, M., Roder, G., and **Tarolli, P.** (2017) Stakeholder risk perception associated with natural hazards in Iasi County (Romania). *Geophysical Research Abstract*, 19, EGU2017-13302, eISSN: 1607-7962, Vienna [Austria]
11. Rainato, R., Picco., Cavalli, M., Mao, L., Neverman, A.J. and **Tarolli, P.** (2017) Coupling climate conditions, sediment sources and sediment transport in an alpine basin. *Geophysical Research Abstract*, 19, EGU2017-14112, eISSN: 1607-14112, Vienna [Austria]
12. **Tarolli, P.** (2016) Roads and agricultural terraces in the mountain areas of the world: their geomorphological and hydrological role. *The 33rd International Geographical Congress*, Beijing (P.R. China). *Invited talk - Keynote talk*
13. Sofia, G., Masin, R., and **Tarolli, P.** (2016). Smartphone imagery to analyze animal-induced erosion in riverbanks. *Geophysical Research Abstracts*, 18, EGU2016-12291-1. eISSN: 1607-7962. [Vienna]
14. Sofia, G., Roder, G., and **Tarolli, P.** (2016). Land-use, climate and floods dynamics in Northeastern Italy (Veneto). *Geophysical Research Abstracts*, 18, EGU2016-6520-1. eISSN: 1607-7962. [Vienna]

15. Prosdocimi, M., Pradetto Sordo, N., Burguet, M., Di Prima, S., Terol Esparza, E., **Tarolli, P.**, and Cerdà, A. (2016). Topographic changes detection through Structure-from-Motion in agricultural lands affected by erosion processes. *Geophysical Research Abstracts*, 18, EGU2016-766. eISSN: 1607-7962. [Vienna]
16. **Tarolli, P.** (2016) Hillslope Processes in Anthropogenic Landscapes. *AAG Annual Meeting 2016*, San Francisco (USA). [Invited talk](#)
17. **Tarolli, P.** (2015) High-resolution topography for understanding Earth surface processes: Opportunities and challenges. *ISPRS Geospatial Week 2015*, Montpellier (FR). [Invited talk - Keynote talk](#)
18. **Tarolli, P.** (2015) Geomorphology & Anthropocene. *RGS-IBG Annual International Conference 2015*, Exeter (UK). [Invited talk](#)
19. Sofia, G., **Tarolli, P.** (2015) Geomorphology of anthropogenic landscapes. *Geophysical Research Abstracts*, 17, EGU2015-3372, eISSN: 1607-7962. [Vienna]
20. Prosdocimi, M., Calligaro, S., Sofia, G., **Tarolli, P.** (2015). Erosion processes by water in agricultural landscapes: a low-cost methodology for post-event analyses. *Geophysical Research Abstracts*, 17, EGU2015-948, eISSN: 1607-7962. [Vienna]
21. **Tarolli, P.**, Sofia, G., (2014). The topographic signature of anthropogenic geomorphic processes. Abstract EP43E-07 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec. [San Francisco]
22. Sofia, G., Marinello, F., **Tarolli, P.** (2014). Exploring the spatial heterogeneity of terraced landscapes using LiDAR: the Slope Local Length of Auto-Correlation (SLLAC). *Geophysical Research Abstracts*, 16, EGU2014-5790, eISSN: 1607-7962. [Vienna]
23. Piermattei, L., Carturan, L., Calligaro, S., Blasone, G., Guarnieri, A., **Tarolli, P.**, Dalla Fontana, G., Vettore, A. (2014). Application of terrestrial photogrammetry for the mass balance calculation on Montasio Occidentale Glacier (Julian Alps, Italy). *Geophysical Research Abstracts*, 16, EGU2014-7015, eISSN: 1607-7962. [Vienna]
24. **Tarolli, P.**, Sofia, G., Mariniello, F. (2013). The topographic signature of man. *BSG2013 Annual Conference*, Royal Holloway, University of London. [Londra]
25. Sofia, G., **Tarolli, P.**, Cazorzi, F., Dalla Fontana, G. (2013). Automatic measurement of bankfull widths from high resolution LiDAR DTMs: a new tool to analyze the link between hydraulic and morphological variables. *Geophysical Research Abstracts*, 15, EGU2013-5494, eISSN: 1607-7962. [Vienna]
26. Tseng, C.-M., Lin, C.-W., Dalla Fontana, G., **Tarolli, P.** (2013). The topographic signature of a Major Typhoon. *Geophysical Research Abstracts*, 15, EGU2013-3132, eISSN: 1607-7962. [Vienna]
27. Prosdocimi, M., Sofia, G., Dalla Fontana, G., **Tarolli, P.** (2013). Land use change in the last century in the Veneto floodplain: effects on network drainage density, water storage, and related consequences on flood risk. *Geophysical Research Abstracts*, 15, EGU2013-4842, eISSN: 1607-7962. [Vienna]
28. Rinaldo, A., Mutzner, R., Bertuzzo, E., **Tarolli, P.**, Weijs, S., Ceola, S., Tomasic, N., Rodriguez-Iturbe, I., Parlange, M. (2013). Geomorphic Signatures on Brutsaert Base Flow Recession Analysis. *Geophysical Research Abstracts*, 15, EGU2013-5856, eISSN: 1607-7962. [Vienna]
29. **Tarolli, P.** (2012). Opportunities and Challenges from High Resolution Topography for Understanding Earth Surface Processes. Abstract SE101-D5-AM1-Vir3-004 (SE101-A002) presented at AOGS – AGU (WPGM) Joint Assembly 2012. [Singapore] [Presentazione su invito](#)
30. Sofia, G., Dalla Fontana, G., **Tarolli, P.** (2012). LiDAR and Geomorphic Parameters for Anthropogenic Feature Extraction in Floodplains. Abstract IWG04-D5-AM2-Leo3-003 (IWG04-A007) presented at AOGS – AGU (WPGM) Joint Assembly 2012. [Singapore]
31. **Tarolli, P.**, Sofia, G., Dalla Fontana, G. (2012). Opportunities and challenges from high resolution topography for understanding earth surface processes. *BSG2012 Annual Conference 2012*, University of Nottingham. [Nottingham]
32. **Tarolli, P.**, Passalacqua, P. (2011). The statistical signature of Earth-Surface Processes. *Geophysical Research Abstracts*, 13, EGU2011-5594, eISSN: 1607-7962. [Vienna]
33. Sofia, G., **Tarolli, P.**, Cazorzi, F., Dalla Fontana, G. (2011). Channel network identification from high-resolution DTM: a statistical approach. *Geophysical Research Abstracts*, 13, EGU2011-2980, eISSN: 1607-7962. [Vienna]
34. **Tarolli, P.**, Sofia, G., Pirotti, F., Dalla Fontana, G. (2010). Semi-automatic methods for landslide features and channel network extraction in a complex mountainous terrain: new opportunities but also challenges from high resolution topography. *Geophysical Research Abstracts*, 12, EGU2010-15176, eISSN: 1607-7962. [Vienna]
35. Borga, M., Lagouvardos, K., Llasat, M.C., Mugnai, A., Price, C., **Tarolli, P.** (2010). Integrating lightning information into real-time flash flood forecasting and warning procedures. *Geophysical Research Abstracts*, 12, EGU2010-14035, eISSN: 1607-7962. [Vienna]
36. **Tarolli, P.**, Dalla Fontana, G., Moretti, G., Orlandini, S. (2009). Cell Size Dependence of Threshold Conditions for the Delineation of Drainage Networks from Gridded Elevation Data. *Geomorphometry 2009*, University of Zurich. [Zurigo]
37. Borga, M., **Tarolli, P.** (2009). Hydrometeorological analysis of a major debris flow in the Central Italian Alps. *Geophysical Research Abstracts*, 11, EGU2009-8725, eISSN: 1607-7962. [Vienna]
38. Cavalli, M., **Tarolli, P.**, Marchi, L., Dalla Fontana, G. (2007). The effectiveness of airborne LiDAR data in the recognition of channel bed morphology. *Eos Trans. AGU* 88(52): Fall Meet. Suppl., Abstract H52E-

07. [San Francisco]
39. Borga, M., **Tarolli, P.**, Dalla Fontana, G., Cazorzi, F. (2007). Impact of forest roads on subsurface flowpaths and shallow landsliding. IUGG XXIV General Assembly, HW3007, 4762, ISBN: 978-88-95852-24-4. [Perugia]
40. **Tarolli, P.**, and Dalla Fontana, G. (2007). Analysis of the headwater basins' morphology by high resolution LiDAR-derived DTM. 5th International Symposium on Mobile Mapping Technology. [Padova]
41. **Tarolli, P.**, and Dalla Fontana, G. (2006). Evaluation of LiDAR derived DEM resolution to terrain stability hazard mapping. *Geophysical Research Abstracts*, 8, EGU06-A-03503, eISSN: 1607-7962. [Vienna]

Virtual online

1. Junliang Q., Xiankun Y., **Tarolli P.** (2020). Spatiotemporal trends in flood hazards using MODIS time-series images in the Pearl River Basin (China). EGU2020-2939, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-2939>.
2. Chen X., Cucchiario S., Bernard M., Mauri L., Chen J., **Tarolli P.**, Gregoretti C. (2020). Analyzing topographic changes through LiDAR and SfM techniques: assessing the deposition-erosion patterns and estimation of debris-flow volume in the eastern Italian Alps. EGU2020-3516, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-3516>.
3. Cucchiario S., Fallu D. J., Zhang H., Walsh K., Van Oost K., Brown A. G., **Tarolli P.** (2020). Terrestrial-Aerial-SfM and TLS data fusion for agricultural terrace surveys in complex topographic and land cover conditions. EGU2020-3459, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-3459>.
4. Fallu D., Brown T., Walsh K., Cucchiario S., **Tarolli P.**, Zhao P., van Oost K., Snape L., Lang A., Albert R.-M., Alsos I., Waddington C. (2020). Ending the Cinderella Status of Terraces and Lynchets in Europe. EGU2020-7116, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-7116>.
5. Margarint M. C., Niculita M., Ciotina M. C., Vaculisteanu G., Linu-Stoilov V., **Tarolli P.** (2020). Using RPAS derived images and LiDAR DEM's for the assessment of geomorphic changes in a cultural heritage site affected by recent landslides. EGU2020-7780, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-7780>.
6. Pijl A., Quarella E., Vogel T. A., D'Agostino V., **Tarolli P.** (2020). Looking high and low: comparing a UAV-based and a ground-based methodology for the detection of vineyard terrace failures. EGU2020-3048, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-3048>.
7. Straffelini E., Chen X., Cucchiario S., Michieli S., Chen J., **Tarolli P.** (2020). Estimation of potential surface ponding in agriculture using UAV-SfM. EGU2020-4655, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-4655>.
8. **Tarolli P.**, Straffelini E., Mattiello C. M., Lorenzoni A. (2020). SOiLUTION SYSTEM: innovative solutions for soil erosion risk mitigation and better management of vineyards in hills and mountain landscapes. EGU2020-3689, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-3689>.
9. Wu Z., Zhang Q., Chen Y., **Tarolli P.** (2020). Characterizing the urban waterlogging variation in highly urbanized coastal cities: A watershed-based stepwise cluster analysis model approach. EGU2020-3847, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-3847>.
10. Zhang Q., Wu Z., Zhang H., Dalla Fontana G., **Tarolli P.** (2020). Characterizing the dominant conditioning factors of urban waterlogging in highly urbanized coastal cities. EGU2020-3682, EGU General Assembly 2020, <https://doi.org/10.5194/egusphere-egu2020-3682>.

Presentazione poster

1. Paliaga G., Faccini F., Luino F., Turconi L., **Tarolli P.** (2019). Geo-hydrological risk mitigation in a terraced landscape: LiDAR data analysis in the Portofino natural park, Italy. *Geophysical Research Abstracts*, 21, EGU2019-18777, eISSN: 1607-7962, [Wien]
2. Pawłuszek K., Marczak S., Borkowski A., **Tarolli P.** (2019). Landslide detection using object oriented approach and LiDAR-derived DEM. *Geophysical Research Abstracts*, 21, EGU2019-1040, eISSN: 1607-7962, [Wien]
3. Verdonen M., **Tarolli P.**, Korpelainen P., Kolari T., Tahvanainen T., Kumpula T. (2019). Application of UAS in the analysis of the spatial distribution of active layer thickness in Palsa mounds. *Geophysical Research Abstracts*, 21, EGU2019-13158-1, eISSN: 1607-7962, [Wien]
4. Mauri L., Sallustio L., **Tarolli P.** (2019). Wild boars as geomorphologic agent: a conceptual framework. *Geophysical Research Abstracts*, 21, EGU2019-11023-2, eISSN: 1607-7962, [Wien]
5. Gao X., Roder G., Jiao Y., Ding Y., Liu Z., **Tarolli P.** (2019). Farmers' landslide risk perceptions, willingness for restoration and conservation on Laohuzui Terraces of the world heritage of Honghe Hani Rice Terraces (China). *Geophysical Research Abstracts*, 21, EGU2019-10999, eISSN: 1607-7962, [Wien]
6. **Tarolli, P.**, Pijl, A., & Vogel, T. (2018). UAV-based photogrammetry: opportunities for maintenance and design of vineyard terrace landscapes. *TERENO International Conference 2018* [paper 7207]. [Berlin]

7. Pijl, A., Bettella, F., D'Agostino, V., **Tarolli, P.** (2018). Quantifying soil erosion in terraced landscapes: integration of high-resolution topography, RPII morphological index and hydrological modelling. *Geophysical Research Abstracts*, 20, EGU2018-18235-1, eISSN: 1607-7962, [Wien].
8. Feurer, D., Pijl, A., Bailly, J.S., **Tarolli, P.** (2018). Terrain modelling in vegetated terraced landscapes from SfM and LiDAR point clouds. *Geophysical Research Abstracts*, 20, EGU2018-13924, eISSN: 1607-7962, [Wien].
9. Pijl, A., Tosoni, M., Roder, G., Sofia, G., **Tarolli, P.** (2018). Unmanned Aerial Vehicle (UAV) data for monitoring and maintenance of terraced landscapes – a case study in Lombardy vineyards (Italy). *Geophysical Research Abstracts*, 20, EGU2018-875-1, eISSN: 1607-7962, [Wien].
10. Roder, G., Scolobig, A., **Tarolli, P.** (2018). Public perception of flood risk and insurance for residential losses: evidence from an Italian region. *Geophysical Research Abstracts*, 20, EGU2018-13386, eISSN: 1607-7962, [Wien].
11. Ciprian Margarint, M., Niculita, M., Roder, G., **Tarolli, P.** (2018). Stakeholders' preparedness level in the face of natural hazards in the rural communities of north-eastern Romania. Gully erosion of lowland old anthropic lakes beds. *Geophysical Research Abstracts*, 20, EGU2018-7346, eISSN: 1607-7962, [Wien].
12. Viero, D.P., Roder, G., Matticchio, B., Defina, A., **Tarolli, P.** (2018). Past and current flood risk: human and landscape interactions in the anthropogenic floodplain of Polesine (Italy). Gully erosion of lowland old anthropic lakes beds. *Geophysical Research Abstracts*, 20, EGU2018-13305, eISSN: 1607-7962, [Wien]. [PICO](#)
13. Niculita, M., Ciprian Margarint, M., Necula, N., **Tarolli, P.** (2018). Gully erosion of lowland old anthropic lakes beds. *Geophysical Research Abstracts*, 20, EGU2018-9037, eISSN: 1607-7962, [Wien]. [PICO](#)
14. Imperatore, G., Yang, X., Wu, Z., **Tarolli, P.** (2018). Analysis of land use change in lowlands of Pearl River Delta (Guangdong Province, P.R. China) from 1986 to 2017. *Geophysical Research Abstracts*, 20, EGU2018-19788, eISSN: 1607-7962, [Wien]. [PICO](#)
15. Sofia, G., Gazzin, A., Dalla Fontana, G., **Tarolli, P.** (2018). Human impacts on hydrological change: the relative role of soil type and irrigation networks. *Geophysical Research Abstracts*, 20, EGU2018-637-1, eISSN: 1607-7962, [Wien]. [PICO](#)
16. Cao, W., Sofia, G., Ellis, E.C., **Tarolli, P.** (2018). Geomorphometric characterization of natural and anthropogenic land cover in different landscapes context. *Geophysical Research Abstracts*, 20, EGU2018-1043, eISSN: 1607-7962, [Wien]. [PICO](#)
17. Cao, W., Sofia, G., Evans, D., Ellis, E.C. **Tarolli, P.** (2018). Developing a framework to observe and analyze anthropogenic geomorphology across millennia. *Geophysical Research Abstracts*, 20, EGU2018-780-3, eISSN: 1607-7962, [Wien]. [PICO](#)
18. Borsato, E., Sartori, L., **Tarolli, P.**, Marinello, F. (2018). Decrease the Water Footprint using precision agriculture: a comparison between conventional and conservative agriculture. *Geophysical Research Abstracts*, 20, EGU2018-769-3, eISSN: 1607-7962, [Wien]. [PICO](#)
19. Roder, G., Toffanin, S., **Tarolli, P.** (2018). High-value viticulture in Northern Italy: farmers' perception of soil erosion in the Prosecco DOCG area. *Geophysical Research Abstracts*, 20, EGU2018-707-1, eISSN: 1607-7962, [Wien]. [PICO](#)
20. **Tarolli, P.**, Fuller, I.C, Basso, F., Cavalli, M., and Sofia, G. (2017). Hydro-geomorphic connectivity and landslide extraction to identifying potential threats and hazardous areas. *Geophysical Research Abstract*, 19, EGU2017-17143, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
21. **Tarolli, P.**, Cecchin, M., Prosdoci, M., Masin, R. (2017). Geomorphological characterization of conservation agriculture. *Geophysical Research Abstract*, 19, EGU2017-13201, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
22. Xiang, J., Chen, J., Sofia, G., Lai, Z., Huang, H., **Tarolli, P.** (2017). Monitoring of Open-pit mining using geomorphometry and Unmanned Aerial Vehicles (UAVs). *Geophysical Research Abstract*, 19, EGU2017-13593, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
23. Cheng, Y.S., Yu, T.T., Egozy, R., and **Tarolli, P.** (2017). Pioneer Vegetation Detection by Hyperspectral Images on Temporal Landslides: A case study of Tzengwen catchment upstream, Taiwan. *Geophysical Research Abstract*, 19, EGU2017-16706, eISSN: 1607-7962, Vienna [Austria].
24. Cheng, Y.S., Yu, T.T., and **Tarolli, P.** (2017). Landslide detection using LiDAR data and data mining technology: Ali Mountain Highway case study (Taiwan). *Geophysical Research Abstract*, 19, EGU2017-16499, eISSN: 1607-7962, Vienna [Austria].
25. Chen, J., Xiang, J., Xiem S., Liu, Jing and **Tarolli, P.** (2017). Investigation of Land Subsidence using ALOS PALSAR data: a case study in Mentougou (Beijing, China). *Geophysical Research Abstract*, 19, EGU2017-8866, eISSN: 1607-7962, Vienna [Austria].
26. Niculita, M., Ciprian Margarint, M., **Tarolli, P.** (2017) Historical reservoir construction: potential hotspot of anthropogenic induced sediments in lowland Northeastern Romania. *Geophysical Research Abstract*, 19, EGU2017-1922, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
27. Sofia, G., Pizzulli, F., and **Tarolli, P.** (2017) Humans reclaimed lands in NorthEastern Italy and artificial drainage networks: effects of ~30 years of Agricultural Surface Water Management. *Geophysical Research Abstract*, 19, EGU2017-7942, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
28. Pijl, A., Brauer, C., Sofia, G., Teuling, R., and **Tarolli, P.** (2017) Hydrological Assessment of Model Performance and Scenario Analyses of Land Use Change and Climate Change in lowlands of Veneto

- Region (Italy). *Geophysical Research Abstract*, 19, EGU2017-1464, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
29. Torresani, L., Prosdocimi, M., Masin, R., Pensa, M and **Tarolli P.** (2017). Estimation of grazing-induced erosion through remote-sensing technologies in the Autonomous Province of Trento, Northern Italy. *Geophysical Research Abstract*, 19, EGU2017-10222, eISSN: 1607-7962, Vienna [Austria]
 30. Cerdà, A., Keesstra, S., Pulido, M., Jordán, A., Novara, A., Giménez-Morera, A., Borja, M.E.L., Martínez-Murillo, J.F., Rodrigo-Comino, J., Pereira, P., Nadal-Romero, E., Taguas, T., Úbeda, X., Brevik, E. C., **Tarolli, P.**, Bagarello, V., Parras Alcantara, L., Muñoz-Rojas, M., Oliva, M., and di Prima S. (2017). Soil erosion and degradation in Mediterranean Type Ecosystems. The Soil Erosion and Degradation Research Group (SEDER) approach and findings. *Geophysical Research Abstract*, 19, EGU2017-3799, eISSN: 1607-7962, Vienna [Austria]
 31. Jin, W., Cao, W., Wu, Z., **Tarolli, P.**, Peng, J. (2017). Detection and Analysis of Coastline and Landuse Change from 1960 to 2012 in Pearl River Delta, China. *Geophysical Research Abstract*, 19, EGU2017-1430, eISSN: 1607-7962, Vienna [Austria].
 32. Brancucci, G., Brancucci, M., Marescotti, E., Poggi, E., Solimano, M., Vegnuti, R., Giostrella, P., and **Tarolli, P.** (2017) Geological characterization of agricultural terraces as a tool for the territorial safeguard and for the valorization of "Terroir". *Geophysical Research Abstract*, 19, EGU2017-9550, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
 33. Borsato, E., Marinello, F., and **Tarolli, P.** (2017). Correlation of water with carbon/energy footprints for effective agricultural and livestock products classification. *Geophysical Research Abstract*, 19, EGU2017-1353, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
 34. Cvetković, V.M., Roder, G., **Tarolli, P.**, Öcal, A., Ronan, K., Dragičević, S. (2017). Gender disparities in flood risk perception and preparedness: a Serbian case study. *Geophysical Research Abstract*, 19, EGU2017-6720, eISSN: 1607-7962, Vienna [Austria]. [PICO](#)
 35. Roder, G., Sofia, G., Zhifeng, W., and **Tarolli, P.** (2017). Social vulnerability in the flood-prone anthropogenic landscape of Northern Italy. *Geophysical Research Abstract*, 19, EGU2017-1262, eISSN: 1607-7962, Vienna [Austria].
 36. **Tarolli, P.**, and Sofia, G. (2016). Anthropogenic features and hillslope processes interaction. *Geophysical Research Abstracts*, 18, EGU2016- 12102. eISSN: 1607-7962. [Vienna]
 37. Roder, G., and **Tarolli, P.** (2016). Natural disasters and gender dynamics. *Geophysical Research Abstracts*, 18, EGU2016- 12255. eISSN: 1607-7962. [Vienna]
 38. Lo Re, G., Fuller, I.C., Sofia, G., Holt, K., Macklin, M.G., and **Tarolli, P.** (2016). High-resolution topography for the analysis of palaeochannels in the Manawatu river (New Zealand). *Geophysical Research Abstracts*, 18, EGU2016-14562, eISSN: 1607-7962. [Vienna] [PICO](#)
 39. Pappalardo, S.E., Ferrarese, F., **Tarolli, P.**, and Varotto, M. (2016). Implementing automatic LiDAR and supervised mapping methodologies to quantify agricultural terraced landforms at landscape scale: the case of Veneto Region. *Geophysical Research Abstracts*, 18, EGU2016-14755-1, eISSN: 1607-7962. [Vienna] [PICO](#)
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PROCEEDINGS (CONVEGNI NAZIONALI)

Presentazione orale

1. Pijl, A., Tosoni, M., Roder, G., Sofia, G., **Tarolli, P.** (2018). Use of Unmanned Aerial Vehicle (UAV) data for the maintenance of terraced landscapes – a case study in Valcamonica (BS, Italy) [paper 165]. XXXVI Convegno Nazionale di Idraulica e Costruzioni Idrauliche. [Ancona]
2. **Tarolli, P.**, Breda, F., Sofia, G., Masin, R., (2017). Drainage channels under pressure from invasive animal species: investigation on the regional and local impact of Coypu (*Myocastor coypus*) damages. *Convegno Nazionale dell'Associazione Italiana di Ingegneria Agraria (AIIA)*. [Bari]
3. Sofia, G., Cao, W., **Tarolli, P.** (2017). Towards understanding links between rural landuse changes and local hydrological response. *Convegno Nazionale dell'Associazione Italiana di Ingegneria Agraria (AIIA)*. [Bari]
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6. **Tarolli, P.**, Dalla Fontana, G. (2009). Testing new methodologies for landslide features extraction from high resolution topography. *Geoitalia 2009 (VII Italian Forum of Earth Sciences)*. [Rimini]
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Presentazione poster

1. **Tarolli, P.**, Mauri, L., Sallustio, L. (2019). A diagnostic framework for mapping and quantifying the geomorphic impact of wild boars. *Convegno Nazionale di medio termine dell'Associazione Italiana di Ingegneria Agraria (AIIA)*. [Matera]
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