



Personal information

Surname(s) / First name(s)

Email(s)

Nationality(-ies)

Date of birth

Gender

Prof. Duccio Rocchini, PhD

ducciorocchini@gmail.com - duccio.rocchini@fmach.it

Italian, born in Siena

August 29th, 1975

Male

Current Position

Research Interests

Associate Professor from February 1st 2017, Centre Agriculture Food Environment and Centre for Integrative Biology, University of Trento, Italy, ORCID: <http://orcid.org/0000-0003-0087-0594>

Landscape Ecology

Plant community ecology

Biodiversity analysis at multiple spatial scales

Species distribution modelling

Spatial ecology

Remote sensing

Spatio-ecological modelling by open source software

Ecological Informatics

Computational Ecology

Spatial Ecology

Scientometrics

Web of Science Core Collection - ISI Thomson

Institute

Number of papers

h-index

Number of citations

Citing articles

Mean number of citations per paper

Journal with maximum impact factor

118

26

1989

1278

16.69

Trends in Ecology & Evolution, 5years-IF: 19.417(first author, 2 authors in total)

Editor and Referee activity

Editor/Ed. Board Member

2015 until now

2010 until now

2010 until now

Senior Editor, **Remote Sensing in Ecology and Conservation**, Wiley

Associate Editor, **Journal of Vegetation Science**, 5years-IF: 3.310, Wiley

Associate Editor, **Applied Vegetation Science**, 5years-IF: 2.310, Wiley

2013 until now	Academic Editor, PLoS ONE , 5years-IF: 3.535
2015 until now	Subject Associate Editor - GIS and Remote Sensing, Ecological Informatics , 5years-IF: 2.216 , Elsevier
2015 until now	Editorial Board Member, Matters , Editor-in-Chief Prof. Thomas C. Südhof, M.D, M.D, Stanford University, Nobel Prize, 2013; Chair of the Scientific Advisory Board
2015 until now	Associate Editor, Journal of Applied Remote Sensing , 5years-IF: 1.131 , official journal of the International Society for Optics and Photonics (SPIE)
2010 until now	International Editorial Advisory Board Member, Progress in Physical Geography , 5years-IF: 4.492 , SAGE
2010 until now	International Editorial Advisory Board Member, Remote Sensing , 5years-IF: 3.278 , MDPI
2010 until now	International Editorial Advisory Board Member, Diversity , MDPI
2015 until now	Associate Editor, Biogeographia , Official Journal of the Italian Society for Biogeography
Editor for Special Issues	
2017	Editor, Remote Sensing , 5years-IF: 3.278 , Special Issue on “Advances in Remote Sensing Applications for the Detection of Biological Invasions”, co-editor: Dr. Matteo Marcantonio
2016 until now	Ecological Informatics , 5years-IF: 2.216 , Special Issue on “Ecological Informatics for Biogeography”, Elsevier Guest Editor, Sensors , 5years-IF: 2.437 , Special Issue on “Earth Observation for Biodiversity and Ecosystem Services: Remote Sensing Data Handling and Analysis”, Editors: Prof. Gherardo Chirici, Prof. Duccio Rocchini
2016 until now	Guest Editor, ISPRS International Journal of Geo-Information , 5years-IF: 0.823 , open access official journal of the International Society for Photogrammetry and Remote Sensing , Special Issue on “Spatial Ecology”, MDPI
2016 until now	Guest Editor, Open Geospatial Data, Software and Standards , Special Issue on “Open science for Earth remote sensing: latest developments in software and data”, Editors: Dr. Francesco Pirotti, Markus Neteler, Duccio Rocchini, Springer
2014-2015	Guest Editor, Remote Sensing , 5years-IF: 3.278 , Special Issue on “Earth Observation for Ecosystems’ Monitoring in Space and Time”, MDPI
2012-2014	Guest Editor, ISPRS International Journal of Geo-Information , 5years-IF: 0.823 , open access official journal of the International Society for Photogrammetry and Remote Sensing , Special Issue on “Geospatial Monitoring and Modelling of Environmental Change”, MDPI
2010	Guest Editor, Remote Sensing , 5years-IF: 3.278 , Special Issue on “Ecological Status and Change”, MDPI
Referee	
	Nature Communications [5years-IF: 12.001] Nature Ecology & Evolution Global Ecology and Biogeography [5years-IF: 7.602] Methods in Ecology and Evolution [5years-IF: 7.393] Conservation Biology [5years-IF: 5.087] Diversity and Distributions [5years-IF: 5.670] Agriculture, Ecosystems & Environment [5years-IF: 4.233] Ecological Applications [5years-IF: 5.373] Remote Sensing of Environment [5years-IF: 7.388] Journal of Biogeography [5years-IF: 4.723] Ecological Indicators [5years-IF: 3.649] Progress in Physical Geography [5years-IF: 4.492] Environmental Modelling & Software [5years-IF: 4.528] Ecography [5years-IF: 5.412] Biological Conservation [5years-IF: 4.748] Biogeosciences [5years-IF: 4.477] International Journal of Biometeorology [5years-IF: 2.649] Environmental Pollution [5years-IF: 3.535] Landscape Ecology [5years-IF: 3.649] Journal of Vegetation Science [5years-IF: 3.310] Applied Geography [5years-IF: 3.162]

Journal of Environmental Management [5years-IF: 2.297]
 Ecological Modelling [5years-IF: 2.594]
 Biodiversity and Conservation [5years-IF: 2.724]
 Landscape and Urban Planning [5years-IF: 4.268]
 Naturwissenschaften
 Plant Ecology [5years-IF: 1.824]
 Acta Oecologica [5years-IF: 1.830]
 International Journal of Geographical Information Science [5years-IF: 2.319]
 Applied Vegetation Science [5years-IF: 2.310]
 Remote Sensing [5years-IF: 3.278]
 IEEE Geoscience and Remote Sensing Letters [5years-IF: 2.401]
 Ecological Informatics [5years-IF: 2.216]
 Computers & Geosciences [5years-IF: 2.540]
 International Journal of Remote Sensing [5years-IF: 1.819]
 Community Ecology [5years-IF: 1.404]
 Environmetrics [5years-IF: 1.652]
 Remote Sensing Letters [5years-IF: 1.618]
Book reviewer, Isprs Highlights
Book reviewer, Ecoscience [5years-IF: 1.255]
Book reviewer, The Photogrammetric Record [5years-IF: 2.033]
IEEE International Geoscience & Remote Sensing Symposium Reviewer from 2008 to 2013

Scientific career

From February 1st 2017	Associate Professor, Centre Agriculture Food Environment and Centre for Integrative Biology, University of Trento, Italy
July 2016	Short Term Scientific Mission (STSM) granted by the COST Action TD1202 "Mapping and the Citizen Sensor", Universitat Wurzburg, Dpt. Remote Sensing, Remote Sensing and Biodiversity Unit. Germany, 9th-24th July 2017, officially approved by the European COST Office
October 15th 2014 - February 1st 2017	Permanent Researcher, Fondazione Edmund Mach, Dpt. Biodiversity and Molecular Ecology, Remote Sensing Unit (Unit Leader: Markus Neteler) until January 2016 - Applied Ecology Unit (Unit Leader: Annapaola Rizzoli) from January 2016
October 2011 - September 2014	Tenure Track Researcher, Fondazione Edmund Mach, Dpt. Biodiversity and Molecular Ecology, GIS and Remote Sensing Unit. Unit Leader: Markus Neteler
October 2009 - September 2011	Post-doc in data analysis and modelling of interaction between ecological, environmental and genetic variables. IASMA Research and Innovation Centre, Edmund Mach Foundation, GIS and Remote Sensing Unit. Unit Leader: Markus Neteler
2007-2009	Post-doc "Plant diversity estimate by satellite imagery", Faculty of Mathematical, Physical and Natural Science, University of Siena, Italy, Post-doc supervisor: Alessandro Chiarucci
2005-2006	Post-doc "Quantitative approaches for estimating landscape diversity by remotely sensed imagery", Dpt. Environmental Science, University of Siena, Italy, Unit Leader: Alessandro Chiarucci
September 2005	University of Bremen, Institut für Ökologie und Evolutionsbiologie (Germany), Visiting researcher, Vigoni project for Researchers' exchange
2004-2005	GIS Analyst, Programmer, Permanent Position, Vector Citec Company, Italy

Education and training

2010	Course on Spatial Modelling with R, by Alain Zuur and Elena Ieno, Fondazione Edmund Mach, San Michele all'Adige, Trento, Italy
2010	Course "How to analyse data with Spatial Autocorrelation?", by Ingolf Kün, organized by the International Association for Vegetation Science, University of Hamburg, Germany
2002-2003	GIS Analyst at the Military Institute of Geography (IGM, Italy)
2002	Post-graduate course in Landscape Analysis, University of Naples Federico II
2001	Post-graduate course in "Geographical Information Systems and Thematic Cartography" (Tuscany Region, University of Siena, full marks)

2001-2004	PhD Student (top one placing) in "Sciences and technologies applied to the environment" at the University of Siena, concerning Remote Sensing and GIS analyses applied to the environment (PhD achieved in May 31st 2005), tutor: Prof. Alessandro Chiarucci.
2000	MSc Graduation in Natural Science at the University of Siena, Italy (Mark: 110/110 cum laude, December 14th 2000)
1994	Secondary scientific school-leaving certificate
Research awards	
2014	Abilitazione Scientifica Nazionale - II Fascia: National Scientific Qualification, University Professor level - Settore Concorsuale 05/A1 - Botanica, valid from January 28th 2014 to January 28th 2020
2014	Abilitazione Scientifica Nazionale - II Fascia: National Scientific Qualification, University Professor level - Settore Concorsuale 05/C1 - Ecology, valid from January 31st 2014 to January 31st 2020
2014	Computers & Geosciences, best Paper Award 2013 - Rocchini, D., Foody, G.M., Nagendra, H., Ricotta, C., Anand, M., He, K.S., Amici, V., Kleinschmit, B., Förster, M., Schmidlein, S., Feilhauer, H., Ghisla, A., Metz, M., Neteler, M. (2013). Uncertainty in ecosystem mapping by remote sensing. Computers and Geosciences, 50: 128-135
2014	Honorary membership to the International Association for Mathematical Geosciences (IAMG) , by Qiuming Cheng (President IAMG) and Jef Caers (Editor-in-Chief, Computers & Geosciences)
2011	Earth and Space Foundation award: first time for an Italian researcher, http://www.earthandspace.org/awards/previous-earth-and-space-awards/2011-2/
Main research grants and projects	
2015-2018	EU LIFE FutureForCoppiceS Workpackage Coordinator: B8: Spatializing expected effect on SFM indicators, Project: LIFE14 ENV/IT/000514 FutureForCoppiceS, Funding: European Union, Project Principal Investigator: Dr. Andrea Cutini, Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria, Italy, Project time span: 3 years - 2015-2018. Project total budget: 1.3M euros
2013-2017	LEXEM Workpackage Leader from March 2016 until the end of the project, WP4: Spatial analysis, Project: LEXEM - Laboratory of Excellence for Epidemiology and Modeling. Facing the introduction and spread of Invasive Alien Species (IAS) into the territory of the Autonomous Province of Trento, Funding: Autonomous Province of Trento, Italy, Project Principal Investigator: Dr. Annapaola Rizzoli, Fondazione Edmund Mach, Italy, Project time span: 3.5 years - 2013-2017. Project total budget: 800k euros
2012-2017	FP7 EU BON Workpackage Deputy Leader (WP3: Improving tools and methods for data analysis and interface, WP Leader: Prof. William Kunin, University of Leeds, UK), Task Leader (Task 4.1 - Integrative analyses of distribution status and trends, WP leaders: Prof. Klaus Henle, Prof. Ingolf Kuehn, UFZ, Germany) and member of the Steering Committee of the Collaborative Project FP7 EU BON - Building the European Biodiversity Observation Network - Cooperation Theme 6: Environment (including climate change), Work programme topics addressed: ENV.2012.6.2-2 Assessing global biological resources: the European contribution to the Global Earth Observation Biodiversity Observation Network (GEO BON), Funding: European Union, Project Coordinator Dr. Christoph Häuser, Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science in Berlin, Project Manager Dr. Anke Hoffmann, Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science in Berlin Project time span: 4.5 years - 2012-2017 Project total budget: 11M euros
2013-2016	FP7 BiodivERsA DIARS, FP7 ERA NET SCHEME Workpackage Leader: FP7 BiodivERsA DIARS - Detection of invasive plant species and assessment of their impact on ecosystem properties through remote sensing (DIARS) - FP7 ERA NET SCHEME, Funding: European Union. Project Principal Investigators: Dr. Pieter Kempeneers, Ruben Van De Kerchove, VITO, Belgium, Project time span: 4 years - 2013-2016, Project total budget: 1.5M euros
2012-2016	FP7 COST ACTION TD1202

	Member of the Management Committee (2 experts per country nominated by the Country Ministry), Project: COST Action, European Cooperation in Science and Technology, CT COST Action TD1202 Mapping and the citizen sensor (MCS), Funding: European Union, Project Principal Investigator: Prof. Giles Foody, University of Nottingham, UK, Project time span: 4 years, 2012-2016
2014-2016	VALUES Mentor of the PI, Project: VALUES - VALUing Ecosystem Services for environmental assessment, Funding: Fond National de la Recherche Luxembourg, Project Principal Investigator: Dr. Benedetto Rugani, Centre de Recherche Public Henri Tudor, Project time span: 2014-2016, Project total budget: 700k euros
2009-2011	Ace-Sap Spatial Analysis work-package fellow, Edmund Mach Foundation, S. Michele all'Adige, Trento Project: Ace-Sap (Alpine Ecosystems in a Changing Environment: Biodiversity Sensitivity and Adaptive Potential). Funding: Provincia Autonoma di Trento, Project Principal Investigator: Prof. David Neale, University of California, Davis, US; ; Dr. Claudio Varotto. Fondazione Edmund Mach. Project time span: 3 years, 2009-2011, Project total busget: 3M euros
2010-2013	EULAKES Subcontractor, Project: EULAKES, Funding: European Union - European Regional Development Fund, Principal Investigator, Comunità del Garda (IT), Project time span: 4 years: 2010-2013, Project total budget: 320k euros
2005-2007	Methods for individuating and conserving geosites in the Siena Province Chair of the GIS and Remote Sensing Group, University of Siena, Dpt. Environmental Science, Project: Methods for individuating and conserving geosites in the Siena Province, Funding: Fondazione Monte dei Paschi di Siena, Project Principal Investigator: Prof. Vincenzo De Dominicis, Project time span: 3 years: 2005-2007, Project total budget: 480K euros
2006-2007	European Union (EU, UN/ECE), Monitoring Ozone in Forests of South-Western Europe Research Assistant, University of Siena, Dpt. Environmental Science, Project: Monitoring Ozone in Forests of South-Western Europe External Funding: European Union (EU, UN/ECE), Project Principal Investigator: Dr. Marco Ferretti, Project time span: 2 years, 2006-2007, Project total budget: 80K euros
2005-2008	NATURA2000 Network, MoBiSIC Research Assistant, University of Siena, Dpt. Environmental Science, Project: Monitoring of Biodiversity in Site of Community Importance (NATURA2000 Network, MoBiSIC), Funding: Province of Siena, Project Principal Investigator: Prof. Alessandro Chiarucci Project time span: 3 years: 2005-2008, Project total budget: 130k
2000-2001	UE n. 3528/86 and 307/87 MONITO 3 Graduate Assistant, University of Siena, Dpt. Environmental Science, Project: MONITO 3: Integration of Monitoring Activities and Development of Operational Techniques for Spatial Modeling [U+2013] Biodiversity Area., Funding: European Community under the regulation UE n. 3528/86 and 307/87, Project Principal Investigator: Dr. Alessandro Chiarucci, Project time span: 2 years: 2000-2001, Project total amount: 150k euros
Startup activity	
June 2006	Founder (together with other 9 researchers) of <i>TerraData srl environmetrics</i>, http://www.terradata.it, Academic Spin-off founded in June 2006 at the University of Siena (solidly active after 10 years), I am currently part of the permanent Scientific Committee
December 2015	<i>TerraData srl environmetrics</i> Spin-off is officially included in the "Anagrafe nazionale delle ricerche" as "Research Institute"

Member of panels for projects evaluation

March 2017	Reviewer for the Leverhulme Trust Early Career Fellowships, UK
January 2017	Reviewer for the MIUR (Italian Ministry for Education, University and Research) - Programma per Giovani Ricercatori "Rita Levi Montalcini" 2015, SSD BIO/03, BIO/07, Ministerial Decree n. 962, 28/12/2015
March-June 2016	Rapporteur for the MIUR (Italian Ministry for Education, University and Research) - PRIN 2015, SSD BIO/03
March-June 2016	Reviewer for the MIUR (Italian Ministry for Education, University and Research) - PRIN 2015, SSD BIO/03
January 2016	Reviewer for the French Foundation for Research on Biodiversity (FRB) - CESAB (CEnter for the Synthesis and Analysis of Biodiversity) initiative
December 2015	Reviewer for the Netherlands Organisation for Scientific Research (NWO), Innovational Research Incentives Scheme Vidi, The Netherlands
From January 2014	Reviewer for the Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO, Belgium)
From January 2014	Reviewer for the Fund for Scientific Research-FNRS (F.R.S.-FNRS), Belgium
From January 2014	Reviewer for COST Trans-Domain Proposals (TDP), European Cooperation in Science and Technology, European Union
From April 2010	Reviewer of Belgian Earth Observation proposals, Belgian Science Policy Office
From October 2013	Peer reviewing panel member for NERC Natural Environment Research Council, UK
From August 2013	Assessor for the Australian Research Council (ARC)
March 2013	Reviewer of the Netherlands Organisation for Scientific Research Earth and Life Sciences, New Netherlands Polar Programme 2012 ALW Application Form
August 2011	Reviewer of the National Geographic Society. The Research, Conservation and Exploration Grant
September 2011	Advisory panel member, UncertWeb project. Project Leader, Aston University, UK
August 2010	Steering Committee, UNESCO-WH WATCH PROJECT, Research Programme for Earth Observation - STEREO II, Belgian Science Policy Office, Belgium

Member of Scientific Networks / Associations

Member of the GEOBON (Group on Earth Observation Network) - Working group 3: Terrestrial ecosystem change; Working group on Ecosystem Functioning; Working Group on Ecosystem Structure

Member of the International Cooperative Programme on Assessment and Monitoring of Air Pollution Effects on Forests (ICP) [<http://icp-forests.net/>]

Honorary membership 2014-2015 of the International Association for Mathematical Geosciences (IAMG) [<http://www.iamg.org/>], after the prize for the best paper in Computers & Geosciences 2013

Member of the Committee on Earth Observation Satellites (CEOS), Group on Remote Sensing for Biodiversity and Conservation (CEOS Biodiversity)[<http://www.remote-sensing-biodiversity.org/ceos>]

Member of the Working Group on Information Systems and Services, Committee on Earth Observation Satellites (CEOS)

Member of the Alpine Forest Genomics Network

Organization of meetings and conferences

2016	Chairman , From theory to applications: satellite remote sensing in the real world. ZSL conference "Space - the final frontier for biodiversity monitoring?", Zoological Society of London (ZSL), 29 April 2016, London, UK.
2015	Chairman , Remote sensing for vegetation science, Conveners: Hannes Feilhauer, Duccio Rocchini and Sebastian Schmidlein, 58th Annual Symposium of the International Association for Vegetation Science (IAVS), Brno, Czech Republic, 19-24 July 2015
2011	Chairman , Spatial Ecology Session, 1.7th ECEM (European Conference on Ecological Modelling), Riva del Garda, 30 May-1 June 2011
2010	Chairman , Landscape Ecology and Biogeography Session, German Society of Ecology, GfU+00D6] 40th Anniversary Meeting 2010, Giessen, August 30th - September 3rd 2010

Participation to national and international meetings

2007	Chairman , International Conference on Biodiversity Conservation as a Renewable Resource, Rawalpindi-Islamabad, March 13-14 2007
2006	Chairman , Remote Sensing Oral Session, 91st Ecological Society of America (ESA) Annual Meeting, Memphis Tennessee, August 6-11 2006
2017	Invited keynote speaker at the Community Ecology Conference, planned September 28th-29th 2017, Budapest, Hungary, http://confcomec.akcongress.com/index.php/conference/keynote-speakers Invited talk at the GEOBON Workshop "Remote Sensing of Ecosystem Function", March 30th-31st 2017, Berlin, Germany
2016	Invited talk at "Mapping, Sensing, and Crowdsourcing Geographic Information", Royal Geographical Society (RGS), October 13th-14th 2016, London, UK Solicited talk at the International Workshop on "Statistical inference for assessing and monitoring natural resources", Dpt. Political Economy and Statistics, University of Siena, planned November 10th-11th 2016, Siena, Italy Solicited talk at the 48th Scientific Meeting of the Italian Statistical Society, Università degli Studi di Salerno, 8-10 June 2016, Salerno, Italy Solicited talk at the Living Planet ESA (European Space Agency) Congress, 9-13 may 2016, Prague, Czech Republic Invited talk at the ZSL conference "Space - the final frontier for biodiversity monitoring?", Zoological Society of London (ZSL), 29 April 2016, London, UK. Invited speaker : Green Week 2016, Facoltà di Sociologia, Università degli Studi di Trento, talk on "Land use and biodiversity: a view from satellites", March 5th 2016
2015	Invited speaker: TEDx Talks , Speech on: "Dolomiti: biodiversità estrema nello spazio e nel tempo" by Annapaola Rizzoli and Duccio Rocchini, September 6th 2015, Pale di San Martino, The Dolomites, elevation 2200 metres! - https://www.youtube.com/watch?v=_mamjG6l_rM Solicited talk 9th International Symposium on Spatial Data Quality, ISPRS Geospatial Week, 29-30 September 2015, Montpellier la Grande Motte, France Speaker at the 58th Annual Symposium of the International Association for vegetation Science, 19-24 July 2015, Brno, Czech Republic Invited speaker (Plenary Symposium) at the International Association for Biogeography Symposium, 7-12 January 2015, Bayreuth, Germany Solicited talk Volunteered Geographical Information and Uncertainty, Meeting of Working Groups and Management Committee COST Action TD1202 Mapping and the citizen sensor, University Nice Sophia Antipolis, Nice, 23rd - 24th April 2015 Invited talk , User consultation workshop, H2020 BACi project - Institute of Social Ecology, Vienna, November 9-11 2015
2014	Invited keynote speaker , SAGEO'14 (Spatial Analysis and GEOmatics), Grenoble University Campus, 24th - 27th November, 2014 Speaker at the 2014 ForestSAT conference, Riva del Garda, Italy, November 4th-7th 2014
2013	IAVS International Association for Vegetation Science Annual Meeting, Tartu, Estonia, June 26th-30th 2013 Talk at the COST Action TD1202 Meeting [U+2013] Mapping and the citizen sensor. Nottingham - UK, April 10th-11th 2013
2012	Speaker at the IAVS International Association for Vegetation Science Annual Meeting, Mokpo, South Korea, July 24th-30th 2012 Invited speaker at: i-SUP2012, Innovation for Sustainable Production Congress, Bruges organized by VITO , Belgium, 6-9 May 2012
2011	Speaker at the 13[U+00B0] Meeting degli Utenti Italiani GRASS e GFOSS, Trieste, 15-17 Febbraio 2011 Speaker at the 7th ECEM (European Conference on Ecological Modelling), Riva del Garda, 30 May-1 June 2011 Speaker at the 12[U+00B0] Meeting degli Utenti Italiani GRASS e GFOSS, Trento, 9-11 Febbraio 2011
2010	Speaker at the 7th International Conference on Ecological Informatics. Ghent, Belgium. December 13th-16th, 2010

	Solicited talk at the German Society of Ecology, Gf[U+00D6] 40th Anniversary Meeting 2010, Giessen, August 30th - September 3rd 2010
	Speaker at the 9th Meeting on Vegetation Databases, University of Hamburg, February 24-26 2010
2009	Solicited talk at the Workshop of the Italian Society of Botany "Come misurare l'ambiente?", Workshop organizer: Prof. Maria Laura Carranza, University of Molise, February 25th 2009
2007	Speaker at the XVII Congresso Nazionale S.It.E., Ancona, 17-20 Settembre 2007
	Speaker at the International conference [U+201C]Monitoring the Effectiveness of Nature Conservation[U+201D], Swiss Federal Research Institute WSL, Switzerland, September 3-6 2007
	Invited keynote speaker , International Conference on Biodiversity Conservation as a Renewable Resource of Pakistan, University of Arid Agriculture, Rawalpindi-Islamabad, Pakistan (March 13-14 2007)
	Solicited talk at the Workshop "Telerilevamento e spazializzazione nel monitoraggio forestale e ambientale per la difesa degli ecosistemi", Isernia, Italy (23-24 January 2007)
2006	Speaker at the Ecological Society of America Annual Meeting, Memphis Tennessee (August 6-11 2006)
2005	Speaker at the 15th National Congress of the Italian Ecological Society, Torino (12-14 Settembre 2005)
2004	Speaker at the 14th National Congress of the Italian Ecological Society, Siena (4-6 Ottobre 2004)
	Speaker at the 47th Symposium of the International Association of Vegetation Science, Kona - Hawaii, USA (July, 18-25 2004)
	Seminar "Innovazioni in geomatica e telerilevamento per applicazioni in ambito forestale", Firenze
2003	Speaker at the 7a Conferenza ASITA, Verona (October, 28-30 2003)
	Poster at the 4th European Congress on Regional Cartography and Information Systems, Bologna
2002	Speaker at the 12th National Congress of the Italian Ecological Society, Urbino (September, 16-18 2002)
2001	Attending the First International Workshop on the Analysis of Multitemporal Remote Sensing Images, Trento (September, 13th-14th 2001)

Teaching activity

Lectures and Invited Seminars

2017-2018	University of Trento (Italy). Professor in Biology and Ecology (Biologia generale ed Ecologia), Corso di Laurea Triennale di Viticoltura ed Enologia, 12CFU, 120 hours, planned from September 2017 to June 2018, officially approved in the "Verbale del Consiglio del Centro Agricoltura Alimentazione Ambiente" dated February 24th 2016, a.a. 2017-2018, SSD BIO/03
2016-2017	University of Siena (Italy). Lecturer in Spatial Ecology, curriculum Biodiversity and Environmental Health, Corso di Laurea Magistrale di Biologia Molecolare e Cellulare, 3CFU, 24 hours, planned in 2017, officially approved by the Committee in the "Verbale del Comitato per la Didattica del Corso di laurea Magistrale in Biologia Molecolare e Cellulare" dated June 10th 2016, a.a. 2016-2017, SSD BIO/03
2016	University of Bologna (Italy). Lecturer in Landscape Ecology (Lectures in Italian: Corso "Ecologia del Paesaggio", Corso di Laurea Magistrale "Scienze e gestione della Natura", 6CFU, 56 hours, a.a. 2015-2016, SSD BIO/03) MUSE, Muse di Scienze Naturali, Trento, Tutor for the NASA World Wind Europa Challenge, working with student on "Biodiversity from space: open source challenges", September 21st-22nd 2016 Consiglio Nazionale delle Ricerche (CNR), Milano Invited seminar on Crowdsourcing and Citizen Science, February 1st 2016
2015	International Research School in Applied Ecology , supported by the Hedmark university College and the Research Council of Norway, Lecturer in: Landscape fragmentation analysis, Summer school in: Temporal and spatial analysis of ecological data in an open source environment (October 26th-October 29th 2015), http://www.fmach.it/CRI/alta-formazione/Archivio/Temporal-and-spatial-analysis-of-ecological-data International Research School in Applied Ecology , supported by the Hedmark university College and the Research Council of Norway, Invited seminar in: Geographical data in Ecology: from local to global spatial scales, Summer school in: Next Generation Data Management in Movement Ecology (July 1st-July 10th 2015), http://www.fmach.it/eng/CRI/education/Archive/Next-Generation-Data-Management-in-Movement-Ecology

	Lund University , Dpt. Department of Physical Geography and Ecosystem Science, Sweden, Invited Seminar, Lecture title: "Uncertainty in species diversity mapping: unravelling a long lasting theme", May 18th 2015, Organizer: Prof. Karin Hall, http://www.nateko.lu.se/event/uncertainty-in-species-diversity-mapping-unravelling-a-long-lasting-theme
2014	University of Trieste , Invited Seminar, Corso di Dottorato in Biologia Ambientale, Topic: "Estimating plant biodiversity by remote sensing"
2013	Politecnico di Torino , Invited Seminar at P&M 2013 Scuola estiva, Paesaggio. Strumenti e Metodi per la cura diffusa del territorio, Porto Ercole, 2-5 Giugno 2013
2012	University of Siena (Italy) . Lecturer in Thematic Cartography (Lectures in Italian: Modulo "Laboratorio di Cartografia Tematica", Insegnamento "Ecologia della Conservazione", "Ecologia vegetale", Corso di Laurea "Scienze Ambientali e Naturali", 3CFU, 32 hours, a.a. 2011-2012, SSD GEO/04)
2011	University of Siena (Italy) . Lecturer in Thematic Cartography (Lectures in Italian: Modulo "Laboratorio di Cartografia Tematica", Insegnamento "Ecologia della Conservazione", "Ecologia Applicata", Corso di Laurea "Scienze Naturali", Corso di Laurea "Scienze Ambientali", 3CFU, 32 hours, a.a. 2010-2011, SSD GEO/04) University of Siena (Italy) . Lecturer in Landscape Ecology (Lectures in Italian: Modulo "Ecologia del paesaggio", Insegnamenti "Ecologia Applicata", Corso di Laurea in "Scienze Ambientali", 2CFU, 16 hours, a.a. 2010-2011, SSD BIO/03)
2010	University of Siena (Italy) . Lecturer in Thematic Cartography (Lectures in Italian: Modulo "Laboratorio di Cartografia Tematica", Insegnamento "Ecologia della Conservazione", "Ecologia vegetale", Corso di Laurea "Scienze Naturali", 3CFU, 32 hours, a.a. 2010-2011, SSD GEO/04) Institut für Statistik, Ludwig-Maximilians-Universität München (Germany) , Lecturer in: Spatial Analysis by GRASS GIS (October 9th-10th 2010)
2009	University of Siena (Italy) . Lecturer in Thematic Cartography (Lectures in Italian: Modulo "Laboratorio di Cartografia Tematica", Insegnamento "Ecologia della Conservazione", "Ecologia Applicata", Corsi di Laurea "Scienze Ambientali", "Scienze Naturali", 3CFU, 32 hours, a.a. 2008-2009, SSD GEO/04)
2008	University of Siena (Italy), Sede Didattica Follonica . Lecturer in Landscape Ecology (Lectures in Italian: Modulo "Ecologia del paesaggio", insegnamento "Ecologia Applicata", Curriculum "Ecologia e Gestione della Fascia Costiera", Corso di Laurea in "Scienze Ambientali", 2CFU, 16 hours per year, a.a. 2007-2008, SSD BIO/03) University of Siena (Italy) . Lecturer in Thematic Cartography (Lectures in Italian: Modulo "Laboratorio di Cartografia Tematica", Insegnamento "Ecologia della Conservazione", "Ecologia Applicata", Corsi di Laurea "Scienze Ambientali", "Scienze Naturali", 3CFU, 32 hours, a.a. 2007-2008, SSD GEO/04) University of Siena (Italy), Sede Didattica Follonica . Lecturer in Thematic Cartography (Lectures in Italian: Modulo "Laboratorio di Cartografia Tematica", Insegnamento "Ecologia Applicata", Curriculum "Ecologia e Gestione della Fascia Costiera", Corso di Laurea "Scienze Ambientali", 3CFU, 32 hours, a.a. 2007-2008, SSD GEO/04) University of Siena (Italy) . Lecturer in databases and information systems (Lectures in Italian: Modulo "Laboratorio di basi di dati e sistemi informativi", Insegnamento "Modellistica Ambientale", Corso di Laurea in "Tecnologie di Analisi degli Impatti Ambientali", 2CFU, 32, a.a. 2007-2008, SSD GEO/04) University of Ravenna (Italy) , Invited Seminar: Seminar on 'Species from space: on the estimate of species diversity by remote sensing', Organizer: Dr. giovanna Pezzi University of Torino (Italy) , Invited Seminar: Seminar on "Species from space: on the estimate of species diversity by remote sensing", Organizer: prof. Maria Concolata Siniscalco, Dr. Elena Barni
2007	University of Siena (Italy) . Lecturer in Thematic Cartography (Lectures in Italian: Modulo "Laboratorio di Cartografia Tematica", Insegnamento "Ecologia della Conservazione", "Ecologia Applicata", Corsi di Laurea "Scienze Ambientali", "Scienze Naturali", 3CFU, 32 hours, a.a. 2006-2007, SSD GEO/04) University of Siena (Italy), Sede Didattica Follonica . Lecturer in Thematic Cartography (Lectures in Italian: Modulo "Laboratorio di Cartografia Tematica", Insegnamento "Ecologia Applicata", Curriculum "Ecologia e Gestione della Fascia Costiera", Corso di Laurea "Scienze Ambientali", 3CFU, 32 hours, a.a. 2006-2007, SSD GEO/04) University of Siena (Italy) . Lecturer in databases and information systems (Lectures in Italian: Modulo "Laboratorio di basi di dati e sistemi informativi", Insegnamento "Modellistica Ambientale", Corso di Laurea in "Tecnologie di Analisi degli Impatti Ambientali", 2CFU, 32, a.a. 2006-2007, SSD GEO/04)
2006	University of Siena (Italy) . Lecturer in databases and information systems (Lectures in Italian: Modulo "Laboratorio di basi di dati e sistemi informativi", Insegnamento "Modellistica Ambientale", Corso di Laurea in "Tecnologie di Analisi degli Impatti Ambientali", 2CFU, 32, a.a. 2005-2006, SSD GEO/04)

- 2005 **University of Siena (Italy).** Lecturer in Thematic Cartography (Lectures in Italian: Modulo “Laboratorio di Cartografia Tematica”, Corso Integrato “Geologia per il territorio e le sue risorse”, Corso di Laurea “Scienze naturali”, 3CFU, 40 hours, a.a. 2005-2006, SSD GEO/04)
- University of Siena (Italy).** Lecturer in Thematic Cartography (Lectures in Italian: Modulo “Laboratorio di Cartografia Tematica”, Corso Integrato “Geologia per il territorio e le sue risorse”, Corso di Laurea “Scienze naturali”, 3CFU, 40 hours, a.a. 2004-2005, SSD GEO/04)
- University of Florence (Italy),** Lecturer in: GIS-based analysis applied to spatial variability, Dpt. “Biologia Vegetale”, course for PhD students, Post-Docs, Researchers, 12 hours
- University of Siena (Italy).** Lecturer in “Analysis and use of vegetation data, Vegetation Cartography” (Lectures in Italian: Insegnamento: “Biomonitoraggio della qualità delle acque dolci”, Modulo Professionalizzante “Tecnico esperto di Biomonitoraggio Ambientale”, a.a. 2005-2006, Decreto n. 5321/2005 Regione Toscana)
- 2004 **University of Siena (Italy).** Lecturer in Thematic Cartography (Lectures in Italian: Modulo “Laboratorio di Cartografia Tematica”, Corso Integrato “Geologia per il territorio e le sue risorse”, Corso di Laurea “Scienze naturali”, 3CFU, 40 hours, a.a. 2003-2004, SSD GEO/04)
- Università della Calabria (Italy),** Lecturer in: Landscape Change (Lectures in Italian: Corso “Trasformazione del paesaggio”, Corso di Formazione TEAM nell’ambito del progetto PON Calabria, 14 hours)

Supervision activity

Post-Doc and Researcher Supervisor

Clara Tattoni (2016-2017), project EU LIFE FutureForCoppiceS

Artur Gil (2015-2018), Co-supervisors: Helena Calado and Duccio Rocchini, Supervisor: Paulo A.V. Borges, Azorean Biodiversity Group, Centre for Ecology, Evolution and Environmental Changes, University Azores, Portugal

Tarek Hattab (2014-2017), Co-supervisor: Duccio Rocchini, Supervisor: Jonathan Lenoir, Jules Verne University of Picardie (FR), FP7 BiodivERsA DIARS, FP7 ERA NET SCHEME project

Carol Ximena Garzon-Lopez (2016), Co-supervisor: Duccio Rocchini, Supervisor: Jonathan Lenoir, Jules Verne University of Picardie (FR), FP7 BiodivERsA DIARS, FP7 ERA NET SCHEME project

Carol Ximena Garzon-Lopez (2014-2015), Supervisor: Duccio Rocchini, FP7 EU BON project

Benedetto Rugani (2014-2018), PI of the VALUES project, PI Mentor: Duccio Rocchini, Fond National de la Recherche Luxembourg

Dejan Stojanovic (2015), Post-Doc training at Fondazione Edmund Mach

From 2006: Support to PhD students

Michele Torresani, Freie Universität Bozen, March 1st 2017-September 30th 2019, Co-Supervisor together with Dr. Mark Zebish, Prof. Giustino Tonon

Craig Simpkins, University of Auckland, NZ, Examiner, february 2017, Tutor: Dr. George Perry

Luca Budello, University of Leeds, visiting PhD student at Fondazione Edmund Mach, Tutor: Guy Ziv and William Kunin, 2016

Thomas Möckel, Official opponent during the PhD thesis defense at the University of Lund, Sweden, May 19th 2015, Tutor: Prof. Karin Hall, Prof. Honor C. Prentice

Chiara Lelli (University of Bologna, visiting PhD student at Fondazione Edmund Mach, Tutor: Prof. Alessandro Chiarucci), 2016

Petra Janeckova (Czech Academy of Sciences - Institute of Botany, visiting PhD student at Fondazione Edmund Mach, Tutor: Francesco de Bello), 2014

Leticia Dadalt (Oklahoma State University, Dept. of Botany, visiting PhD student at Fondazione Edmund Mach, Tutor: Prof. Michael W. Palmer), 2012

Nathalie Cavada (University of Trento, IT), visiting PhD student at Fondazione Edmund Mach, Tutor: Dr. Marco Cioli, Dr. Francesco Rovero, 2012-2016

Rosa Manrique (University of Bologna, Italy), visiting PhD student at Fondazione Edmund Mach, Tutor: Prof. Carlo Ferrari, 2011

Anne Ghisla (Fondazione Edmund Mach, Italy, judging commission member), from 2010

Elisa Santi (University of Siena, Italy), Tutor: Dr. Simona Maccherini, 2007-2009

Valerio Amici (University of Siena, Italy), Tutor: Prof. Alessandro Chiarucci, 2007-2009

Francesco Geri (University of Siena, Italy), Tutor: Prof. Alessandro Chiarucci, 2006-2008

Thesis and job training supervision

2017

University of Trieste - University of Trento

2016	Daniele Da Re, job training on species distribution modelling by Bayesian Statistics University of Bayreuth - Fondazione Edmund Mach Edvinas Rommel, job training on biodiversity measurements by remote sensing University of Bologna - Fondazione Edmund Mach Nicoló Faedi, job training on biodiversity measurements by remote sensing Marco D'Agostino, job training on image classification
2010-2012	University of Siena - Fondazione Edmund Mach Roberta Covi, thesis argument: Landscape Genetics and Bayesian statistics (2012)
2004-2009	University of Siena Arianna Vannini, job training on orthorectification of digital imagery Andrea Billi, thesis argument: distance decay of species and spectral similarity (correlatore) Elena Santoro, thesis argument: distance decay of species and spectral similarity (correlatore) Elisa Santi, thesis argument: cross-taxon congruence for biodiversity estimate (correlatore) Giulia Bennati, thesis argument: generalized linear models for biodiversity prediction (correlatore) Ilaria Cirillo, thesis argument: species and spectral rarefaction for biodiversity estimate by satellite imagery (correlatore) Jonas Tundo (University of Leuven, Belgium), thesis argument: ecological determinants of badland species composition Mariangela Salerno, thesis argument: multitemporal analysis of aerial imagery for landscape change detection Domenico Biagio Perrotta, thesis argument: rarefaction theory and spatial autocorrelation of species composition (correlatore) Alessandro De Gianni, thesis argument: diversity partitioning Sara Ghisleni, thesis argument: measures of community diversity (correlatore)

Preferred scientific software (Free and Open Source Software)

Operating System	Linux Mandriva, Linux Fedora, Linux Ubuntu
GIS	GRASS GIS
Remote Sensing and Image Analysis	GRASS GIS, codeveloper of the module <i>r.diversity</i> , https://grass.osgeo.org/grass70/manuals/addons/r.diversity.html
Statistics	R
Scientific writing	L ^A T _E X

Publications

International journals¹

in press

1. Amici, V., Marcantonio, M., La Porta, N., Rocchini, D. (2017). A multi-temporal approach in Max-Ent modelling: a new frontier for land use/land cover change detection. *Ecological Informatics*. [5years-IF: 2.216]
2. Schmeller, D., Weatherdon, L., Loyau, A., Bondeau, A., Brotons, L., Brummitt, N., Geijzendorffer, I., Haase, P., Kuemmerlen, M., Martin, C., Mihoub, J.-B., Rocchini, D., Saarenmaa, H., Stoll, S., Regan, E. (2017). A suite of essential biodiversity variables for detecting critical biodiversity change. *Biological Reviews*. [5years-IF: 12.028]
3. Hattab, T., Garzon-Lopez, C.X., Ewald, M., Skowronek, S., Aerts, R., Horen, H., Brasseur, B., Gallet-Moron, E., Spicher, F., Decocq, G., Feilhauer, H., Honnay, O., Kempeneers, P., Schmidtlein, S., Somers, B., Van De Kerchove, R., Rocchini, D., Lenoir, J. (2017). A unified framework to model the potential and realized distributions of invasive species within the invaded range. *Diversity and Distributions*. [5years-IF: 5.670]
4. Aerts, R., Ewald, M., Nicolas, M., Piat, J., Skowronek, S., Lenoir, J., Hattab, T., Garzon-Lopez, C.X., Feilhauer, H., Schmidtlein, S., Rocchini, D., Decocq, G., Somers, B., Van De Kerchove, R., Denef, K., Honnay, O. (2017). Invasion by the alien tree *Prunus serotina* alters ecosystem functions in a temperate deciduous forest. *Frontiers in Plant Science*. [5years-IF: 4.461] doi: <http://dx.doi.org/10.3389/fpls.2017.00179>
5. Rocchini, D., Petras, V., Petrasova, A., Chemin, Y., Ricotta, C., Frigeri, A., Landa, M., Marcantonio, M., Bastin, L., Metz, M., Delucchi, L., Neteler, M. (2017). Spatio-ecological complexity measures in GRASS GIS. *Computers & Geosciences*. [5years-IF: 2.540] doi: <http://dx.doi.org/10.1016/j.cageo.2016.05.006>
6. Hattab, T., Ewald, M., Skowronek, S., Aerts, R., Garzon-Lopez, C.X., Horen, H., Brasseur, B., Gallet-Moron, E., Spicher, F., Decocq, G., Feilhauer, H., Honnay, O., Kempeneers, P., Schmidtlein, S., Somers, B., Van De Kerchove, R.F., Rocchini, R., Lenoir, L. (2017). A unified framework to model the potential and realized distributions of invasive species within the invaded range. *Diversity and Distributions*. [5years-IF: 5.670]
7. Santi, E., Bacaro, G., Rocchini, D., Chiarucci, A., Bonini I., Brunialti, G., Muggia, L., Maccherini, S. (2017). Methodological issues in exploring cross-taxon congruence across vascular plants, bryophytes and lichens. *Folia Geobotanica*. [5-years-IF: 1.618]
8. Brummitt, N., Regan, E., Weatherdon, L.V., Martin, C.S., Geijzendorffer, I.R., Rocchini, D., Gavish, Y., Haase, P., Marsh, C.J., Schmeller, D.S. (2017). Taking stock of nature: essential biodiversity variables explained. *Biological Conservation*. [5years-IF: 4.748] doi: <http://dx.doi.org/10.1016/j.biocon.2016.09.006>

¹Current 5years-IF is indicated, in case the journal is ranked in Web of Science - ISI Thomson Institute

1. Rocchini, D., Garzon-Lopez, C.X., Marcantonio, M., Amici, V., Bacaro, G., Bastin, L., Brummitt, N., Chiarucci, A., Foody, G.M., Hauffe, H.C., He, K.S., Ricotta, C., Rizzoli, A., Rosá, R. (2017). Anticipating species distributions: handling sampling effort bias under a Bayesian framework. *Science of the Total Environment*, 584-585, 282-290. [5years-IF: 4.317] doi: <http://dx.doi.org/10.1016/j.scitotenv.2016.12.038>
2. Rocchini, D., Marcantonio, M., Ricotta, C. (2017). Measuring Rao's Q diversity index from remote sensing: an open source solution. *Ecological Indicators*, 72: 234-238. [5years-IF: 3.649] doi:<http://dx.doi.org/10.1016/j.ecolind.2016.07.039>
3. Skowronek, S., Ewald, M., Isermann, M., Van De Kerchove, R., Lenoir, J., Aerts, R., Warrie, J., Hattab, T., Honnay, O., Schmidlein, S., Rocchini, D., Somers, B., Feilhauer, H. (2017). Mapping an invasive bryophyte species using hyperspectral remote sensing data. *Biological Invasions*, 19: 239-254. [5years-IF: 3.105] doi: <http://dx.doi.org/10.1007/s10530-016-1276-1>
4. Rugani, B., Rocchini, D. (2017). Boosting the use of spectral heterogeneity in the impact assessment of agricultural land use on biodiversity. *Journal of Cleaner Production*, 140: 516-524. [5years-IF: 5.315]. Special issue: Towards eco-efficient agriculture and food systems. doi: <http://dx.doi.org/10.1016/j.jclepro.2016.09.018>
5. Cavada, N., Ciolli, M., Rocchini, D., Barelli, C., Marshall, A.R., Rovero, F. (2017). Integrating field and satellite data for spatially explicit inference on the density of threatened arboreal primates. *Ecological Applications*, 27: 235-243. [5years-IF: 5.373] doi:<http://dx.doi.org/10.1002/eap.1438>

1. Rocchini, D., Boyd, D.S., Féret, J.B., Foody, G.M., He, K.S., Lausch, A., Nagendra, H., Wegmann, M., Pettorelli, N. (2016). Satellite remote sensing to monitor species diversity: potential and pitfalls. *Remote Sensing in Ecology and Conservation*, 2: 25-36. doi: <http://dx.doi.org/10.1002/rse2.9>
2. Rubol, S., Dutta, T., Rocchini, D. (2016). 2D visualization captures the local heterogeneity of oxidative metabolism across soils from diverse land-use. *Science of the Total Environment*, 572: 713-723. [5years-IF: 4.317] doi: <http://dx.doi.org/10.1016/j.scitotenv.2016.06.252>
3. Foody, G.M., Pal, M., Rocchini, D., Garzon-Lopez, C.X., Bastin, L. (2016). The sensitivity of mapping methods to reference data quality: training supervised image classifications with imperfect reference data. *ISPRS International Journal of Geo-Information*, 5: 199. [5years-IF: 0.823] doi: <http://dx.doi.org/10.3390/ijgi5110199>
4. Pettorelli, N., Wegmann, M., Skidmore, A., Mùcher, S., Dawson, T.P., Fernandez, M., Lucas, R., Schaepman, M.E., Wang, T., O'Connor, B., Jongman, R.H.G., Kempeneers, P., Sonnenschein, R., Leidner, A.K., Böhm, M., He, K.S., Nagendra, H., Dubois, G., Fatoyinbo, T., Hansen, M.C., Paganini, M., de Klerk, H.M., Asner, G.P., Kerr, J., Estes, A.B., Schmeller, D.S., Heiden, U., Rocchini, D., Pereira, H.M., Turak, E., Fernandez, N., Lausch, A., Cho, M.A., Alcaraz-Segura, D., McGeoch, M.A., Turner, W., Mueller, A., St-Louis, V., Penner, J., Vihervaara, P., Belward, A., Reyers, B., Geller, G.N. (2016). Framing the concept of Satellite Remote Sensing Essential Biodiversity Variables: challenges and future directions. *Remote Sensing in Ecology and Conservation*, 2: 122-131. doi: <http://dx.doi.org/10.1002/rse2.15>
5. Comber, A., Mooney, P., Purves, R.S., Rocchini, D., Walz, A. (2016). Crowdsourcing: it matters who the crowd are. The impacts of between group variations in recording land cover. *PLoS ONE*, 11: e0158329. [5years-IF: 3.535] doi:<http://dx.doi.org/10.1371/journal.pone.0158329>
6. Agarwal, S., Rocchini, D., Marathe, A., Nagendra, H. (2016). Exploring the relationship between remotely-sensed spectral variables and attributes of tropical forest vegetation under the influence of local forest institutions. *ISPRS International Journal of Geo-Information*, 5: 117. [5years-IF: 0.823] doi: <http://dx.doi.org/10.3390/ijgi5070117>
7. Lausch, A., Bannehr, L., Beckmann, M., Boehm, C., Feilhauer, H., Hacker, J.M., Heurich, M., Jung, A., Klenke, R., Neumann, C., Pause, M., Rocchini, D., Schaepman, M.E., Schmittlein, S., Schulz, K., Selsam, P., Settele, J., Skidmore, A.K., Cord, A.F. (2016). Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives. *Ecological Indicators*, 70: 317-339. [5years-IF: 3.649] doi: <http://dx.doi.org/10.1016/j.ecolind.2016.06.022>
8. Bacaro, G., Altobelli, A., Camelletti, M., Ciccarelli, D., Martellos, S., Palmer, M.W., Ricotta, C., Rocchini, D., Scheiner, S.M., Tordoni, E., Chiarucci, A. (2016). Incorporating spatial autocorrelation in rarefaction methods: implications for ecologists and conservation biologists. *Ecological Indicators*, 69: 233-238. [5years-IF: 3.649] doi: <http://dx.doi.org/10.1016/j.ecolind.2016.04.026>
9. Garzon-Lopez, C.X., Bastin, L., Foody, G.M., Rocchini, D. (2016). A virtual species set for robust and reproducible Species Distribution Modelling tests. *Data in Brief*, 7: 476-479. doi: <http://dx.doi.org/10.1016/j.dib.2016.02.058> - Top downloaded from its publication to May 2016.
10. Pareeth, S., Delucchi, L., Metz, M., Rocchini, D., Devasthale, A., Raspaud, M., Adrian, R., Salmaso, N., Neteler, M. (2016). New automated method to develop geometrically corrected time series of brightness temperatures from historical AVHRR LAC data. *Remote Sensing*, 8: 169. [5years-IF: 3.278]. doi: <http://dx.doi.org/10.3390/rs8030169>
11. Di Pierro, E.A., Mosca, E., Rocchini, D., Binelli, G., Neale, D.B., La Porta, N. (2016). Climate-related adaptive genetic variation and population structure in natural stands of Norway spruce in the South-Eastern Alps. *Tree Genetics and Genome*, 12: 1-15. [5years-IF: 2.489]
12. Rugani, B., Rocchini, D. (2016). Positioning of remotely sensed spectral heterogeneity in the framework of life cycle impact assessment on biodiversity. *Ecological Indicators*, 61: 923-927. [5years-IF: 3.649] doi: <http://dx.doi.org/10.1016/j.ecolind.2015.10.047>

1. Mairota, P., Cafarelli, B., Didham, R.K., Lovergine, F.P., Lucas, R.M., Nagendra, H., Rocchini, D., Tarantino, C. (2015). Challenges and opportunities in harnessing satellite remote sensing for biodiversity monitoring. *Ecological Informatics*, 30: 207-214. [IF: 2.216] Top 8 Downloaded Paper from July to December 2015.
2. Rocchini, D., Andreo, V., Förster, M., Garzon-Lopez, C.X., Gutierrez, A.P., Gillespie, T.W., Hauffe, H.C., He, K.S., Kleinschmit, B., Mairota, P., Marcantonio, M., Metz, M., Nagendra, H., Pareeth, S., Ponti, L., Ricotta, C., Rizzoli, A., Schaab, G., Zebisch, M., Zorer, R., Neteler, M. (2015). Potential of remote sensing to predict species invasions: A modelling perspective. *Progress in Physical Geography*, 39: 283-309. [5years-IF: 4.492] doi: <http://dx.doi.org/10.1177/0309133315574659>
3. Pettorelli, N., Nagendra, H., Williams, R., Rocchini, D., Fleishman, E. (2015). A new platform to support research at the interface of remote sensing, ecology and conservation. *Remote Sensing in Ecology and Conservation*, 1: 1-3. doi: <http://dx.doi.org/10.1002/rse2.1>
4. He, K.S., Bradley, B.A., Cord, A.F., Rocchini, D., Tuanmu, M.-N., Schmidtlein, S., Turner, W., Wegmann, M., Pettorelli, N. (2015). Will remote sensing shape the next generation of species distribution models? *Remote Sensing in Ecology and Conservation*, 1: 4-18. doi: <http://dx.doi.org/10.1002/rse2.7>
5. Bacaro, G., Maccherini, S., Chiarucci, A., Jentsch, A., Rocchini, D., Torri, D., Gioria, M., Tordoni, E., Martellos, S., Altobelli, A., Otto, R., Escudero, C.G., Fernandez-Lugo, S., Fernandez-Palacios, J.M., Arevalo, J.R. (2015). Distributional patterns of endemic, native and alien species along a roadside elevation gradient in Tenerife, Canary Islands. *Community Ecology*, 16: 223-234. [IF: 1.404] doi: <http://dx.doi.org/10.1556/168.2015.16.2.10>
6. Amici, V., Landi, S., Frascaroli, F., Rocchini, D., Santi, E., Chiarucci, A. (in press). Anthropogenic drivers of plant diversity: perspective on land use change in a dynamic cultural landscape. *Biodiversity and Conservation* 24: 3185-3199. [5years-IF: 2.724] doi: <http://dx.doi.org/10.1007/s10531-015-0949-x>
7. Bacaro, G., Rocchini, D., Diekmann, M., Gasparini, P., Gioria, M., Maccherini, S., Marcantonio, M., Amici, V., Landi, S., Torri, D., Castello, M., Altobelli, A., Chiarucci, A. (2015). Shape matters in sampling plant diversity: evidence from the field. *Ecological Complexity*, 24: 37-45. 3.058doi: <http://dx.doi.org/10.1016/j.ecocom.2015.09.003> Among the Top Downloaded from October to December 2015.
8. Rocchini, D., Hern[U+00E1]ndez Stefanoni, J.L., He, K.S. (2015). Advancing species diversity estimate by remotely sensed proxies: a conceptual review. *Ecological Informatics*, 25: 22-28. [5years-IF: 2.216] doi: <http://dx.doi.org/10.1016/j.ecoinf.2014.10.006> - Hottest Article until October 2015.
9. Frigeri, A., De Sanctis, M.C., Ammannito, E., Buczkowski, D., Combe, J.P., Tosi, F., Zambon, F., Rocchini, D., Jaumann, R., Raymond, C.A., Russell, C.T. (2015). Mineralogic mapping of the Av-9 Numisia quadrangle of Vesta. *Icarus*, 259: 116-128. [5years-IF: 3.291] doi: <http://dx.doi.org/10.1016/j.icarus.2015.07.029>
10. Rocchini, D. (2015). Earth observation for ecosystems monitoring in space and time: a special issue in *Remote Sensing*. *Remote Sensing*, 7: 8102-8106. [5years-IF: 3.278] doi: <http://www.dx.doi.org/10.3390/rs70608102>
11. Marcantonio, M., Pareeth, S., Rocchini, D., Metz, M., Garzon-Lopez, C.X., Neteler, M. (2015). The integration of Artificial Night-Time Lights in landscape ecology: a remote sensing approach. *Ecological Complexity*, 22: 109-120. [5years-IF: 3.058] doi: <http://dx.doi.org/10.1016/j.ecocom.2015.02.008> Among the 25 Downloaded Papers from July to December 2015.
12. Foggi, B., Lastrucci, L., Geri, F., Rocchini, D. (2015). Recent landscape changes on a small mediterranean island. *Landscape Research*, 40: 437-450. doi: <http://dx.doi.org/10.1080/01426397.2014.902920>
13. Barelli, C., Mundry, R., Araldi, A., Hodges, K., Rocchini, D., Rovero, F. (2015). Modelling primate abundance in complex landscapes: a case study from the Udzungwa mountains of Tanzania. *International Journal of Primatology*, 36: 209-226. [5years-IF: 1.785] doi: <http://dx.doi.org/10.1007/s10764-015-9815-7>
14. Amici, V., Rocchini, D., Filibeck, G., Bacaro, G., Santi, E., Geri, F., Landi, S., Scoppola, A., Chiarucci, A. (2015). Landscape structure effects on forest plant diversity: exploring the role of spatial extent. *Ecological complexity*, 21: 44-52. [5years-IF: 3.058] doi: <http://dx.doi.org/10.1016/j.ecocom.2014.12.004> - Hottest Article until October 2015

1. Wegmann, M., Santini, L., Leutner, B., Safi, K., Rocchini, D., Bevanda, M., Latifi, H., Dech, S., Rondinini, C. (2014). Role of African protected areas in maintaining connectivity for large mammals. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 369: 20130193. [5years-IF: 7.224] doi: <http://dx.doi.org/10.1098/rstb.2013.0193>
2. Rocchini, D. (2014). Fuzzy species distribution models: a way to represent plant communities spatially. *Journal of Vegetation Science*, 25: 317-318. [5years-IF: 3.310] doi: <http://dx.doi.org/10.1111/jvs.12152>
3. Marcantonio, M., Rocchini, D., Ottaviani, G. (2014). Impact of alien species on dune systems: a multifaceted approach. *Biodiversity and Conservation*, 23: 2645-2668. [5years-IF: 2.724] doi: <http://dx.doi.org/10.1007/s10531-014-0742-2>
4. Metz, M., Rocchini, D., Neteler, M. (2014). Surface temperatures at the continental scale: tracking changes with remote sensing at unprecedented detail. *Remote Sensing*, 6: 3822-3840. [5years-IF: 3.278] doi: <http://dx.doi.org/10.3390/rs6053822>
5. Ferretti, M., Bussotti, F., Cristofolini, F., Cristofori, A., Gottardini, E., Rocchini, D., Finco, A., Marzuoli, R., Gerosa, G. (2014). Some remarks on "New functions for estimating AOT40 from ozone passive sampling" by De Marco et al. (2014). *Atmospheric Environment*, 98: 707-710. [5years-IF: 3.841] doi: <http://dx.doi.org/10.1016/j.atmosenv.2014.09.011>
6. Amici, V., Geri, F., Bonini, I., Rocchini, D. (2014). Ecological niche modelling with herbarium data: a framework to improve NATURA 2000 habitat monitoring. *Applied Ecology and Environmental Research*, 12: 645-659. [5years-IF: 0.554] doi: http://dx.doi.org/10.15666/aeer/1203_645659
7. Rocchini, D., Dadalt, L., Delucchi, L., Neteler, M., Palmer, M.W. (2014) Disentangling the role of remotely sensed spectral heterogeneity as a proxy for North American plant species richness. *Community Ecology*, 15: 37-43. [5years-IF: 1.404] doi: <http://dx.doi.org/10.1556/ComEc.15.2014.1.4>
8. Rocchini, D. (2014). Introduction to the Special Issue: Geospatial Monitoring and Modelling of Environmental Change. *ISPRS International Journal of Geo-Information*, 3: 206-208. doi: <http://dx.doi.org/10.3390%2Fijgi3010206>
9. Andreo, V., Neteler, M., Rocchini, D., Provencal, C., Levis, S., Porcasi, X., Rizzoli, A., Lanfri, M., Scavuzzo, M., Pini, N., Enria, D., Polop, J. (2014). Estimating Hantavirus risk in southern Argentina: A GIS-based approach combining host and human cases distribution. *Viruses* 6: 201-222. [5years-IF:] doi: <http://dx.doi.org/10.3390/v6010201>

1. Rocchini, D., Foody, G.M., Nagendra, H., Ricotta, C., Anand, M., He, K.S., Amici, V., Kleinschmit, B., F[U+00F6]rster, M., Schmidtlein, S., Feilhauer, H., Ghisla, A., Metz, M., Neteler, M. (2013). Uncertainty in ecosystem mapping by remote sensing. *Computers and Geosciences*, 50: 128-135. [5years-IF: 2.540] doi: <http://dx.doi.org/10.1016/j.cageo.2012.05.022>
2. Neteler, M., Metz, M., Rocchini, D., Rizzoli, A., Flacio, E., Engeler, L., Guidi, V., Lüthy, P., Tonolla, M. (2013). Is Switzerland suitable for the invasion of *Aedes albopictus*? *PLoS ONE*, 8: e82090. [5years-IF: 3.535] doi: <http://dx.doi.org/10.1371/journal.pone.0082090>
3. Rocchini, D., Metz, M., Ricotta, C., Landa, M., Frigeri, A., Neteler, M. (2013). Fourier transforms for detecting multitemporal landscape fragmentation by remote sensing. *International Journal of Remote Sensing*, 34: 8907-8916. [5years-IF: 1.819] doi: <http://dx.doi.org/10.1080/01431161.2013.853896>
4. Rocchini, D., Delucchi, L., Bacaro, G., Cavallini, P., Feilhauer, H., Foody, G.M., He, K.S., Nagendra, H., Porta, C., Ricotta, C., Schmidtlein, S., Spano, L.D., Wegmann, M., Neteler, M. (2013). Calculating landscape diversity with information-theory based indices: A GRASS GIS solution. *Ecological Informatics*, 17: 82-93. [5years-IF: 2.216] doi: <http://dx.doi.org/10.1016/j.ecoinf.2012.04.002>
5. Marcantonio, M., Rocchini, D., Geri, F., Bacaro, G., Amici, V. (2013). Biodiversity, roads, & landscape fragmentation: two Mediterranean cases. *Applied Geography*, 42: 63-72. [5years-IF: 3.162] doi: <http://dx.doi.org/10.1016/j.apgeog.2013.05.001>
6. Feilhauer, H., Thonfeld, F., Faude, U., He, K.S., Rocchini, D., Schmidtlein, S. (2013). Assessing floristic composition with multispectral sensors - A comparison based on monotemporal and multiseasonal field spectra. *International Journal of Applied Earth Observation and Geoinformation*, 21: 218-229. [5years-IF: 3.904] doi: <http://dx.doi.org/10.1016/j.jag.2012.09.002>
7. Rocchini, D. (2013). Seeing the unseen by remote sensing: satellite imagery applied to species distribution modelling. *Journal of Vegetation Science*, 24: 209-210. [5years-IF: 3.310] doi: <http://dx.doi.org/10.1111/jvs.12029>
8. Mazon, T., Kark, S., Possingham, H.P., Rocchini, D., Levy, Y., Richardson, A.J., Levin, N. (2013). Can satellite-based night lights be used for conservation? The case of nesting sea turtles in the Mediterranean. *Biological Conservation*, 159: 63-72. [5years-IF: 4.748] doi: <http://dx.doi.org/10.1016/j.biocon.2012.11.004>
9. Zorer, R., Rocchini, D., Metz, M., Delucchi, L., Zottele, F., Meggio, F., Neteler, M., 2013. Daily MODIS Land Surface Temperature data for the analysis of the heat requirements of grapevine varieties. *IEEE Transactions on Geoscience and Remote Sensing*. [5years-IF: 3.863] doi: <http://dx.doi.org/10.1109/TGRS.2012.2226465>

1. Rocchini, D., Neteler, M. (2012). Let the four freedoms paradigm apply to ecology. *Trends in Ecology & Evolution*, 27: 310[U+2013]311. [5years-IF: 19.417] doi: <http://dx.doi.org/10.1016/j.tree.2012.03.009>
2. Imre, A.R., Novotny, J., Rocchini, D. (2012). The Korcak-exponent: a non-fractal descriptor for landscape patchiness. *Ecological Complexity*, 12: 70-74. [5years-IF: 3.058] doi: <http://dx.doi.org/10.1016/j.ecocom.2012.10.001>
3. Mosca, E., Eckert, A.J., Di Pierro, E.A., Rocchini, D., La Porta, N., Belletti, P., Neale, D.B. (2012). The geographical and environmental determinants of genetic diversity for four alpine conifers of the European Alps. *Molecular Ecology*, 21: 5530-5545. [5years-IF: 6.232] doi: <http://dx.doi.org/10.1111/mec.12043>
4. Gairola, S., Proches, S., Rocchini, D. (2012). High resolution satellite remote sensing: a new frontier for biodiversity exploration in Indian Himalayan forests. *International Journal of Remote Sensing*, 34: 2006-2022. [5years-IF: 1.819] doi: <http://dx.doi.org/10.1080/01431161.2012.730161>
5. Feilhauer, H., He, K.S., Rocchini, D. (2012). Modeling species distribution using niche-based proxies derived from composite bioclimatic variables and MODIS NDVI. *Remote Sensing*, 4: 2057-2075. [5years-IF: 3.278] doi: <http://gis.cri.fmach.it/dy.doi.org/10.3390/rs4072057>
6. Bacaro, G., Rocchini, D.*, Ghisla, A., Marcantonio, M., Neteler, M., Chiarucci, A. (2012). The spatial domain matters: spatially constrained species rarefaction in a Free and Open Source environment. *Ecological Complexity*, 12: 63-69. [5years-IF: 3.058] doi: <http://dx.doi.org/10.1016/j.ecocom.2012.05.007>
7. Vernesi, C., Rocchini, D., Pecchioli, E., Neteler, M., Vendramin, G.G., Paffetti, D. (2012). A landscape genetics approach reveals ecological-based differentiation in populations of holm oak (*Quercus ilex*, L.) at their northernmost distribution edge. *Biological Journal of the Linnean Society*, 107: 458-467. [5years-IF: 2.207] doi: <http://dx.doi.org/10.1111/j.1095-8312.2012.01940.x>
8. Hernandez-Stefanoni, J.L., Gallardo-Cruz, J.A., Meave, J.A., Rocchini, D., Bello-Pineda, J., Lopez-Martinez, J.O. (2012). Modeling alpha- and beta-diversity in a tropical forest from remotely sensed and spatial data. *International Journal of Applied Earth Observation and Geoinformation*, 19: 359-368. [5years-IF: 3.904] doi: <http://dx.doi.org/10.1016/j.jag.2012.04.002>
9. Bacaro, G., Rocchini, D., Dupré, C., Diekmann, M., Carnesecchi, F., Gori, V., Chiarucci, A. (2012). Absence of distance decay in plot species similarity at small extent in an urban brown-field. *Community Ecology*, 13: 36-44. [5years-IF: 1.404] doi: <http://dx.doi.org/10.1556/ComEc.13.2012.1.5>
10. Rocchini, D., Metz, M., Frigeri, A., Delucchi, L., Marcantonio, M., Neteler, M. (2012). Robust rectification of aerial photographs in an Open Source space. *Computers & Geosciences*, 39: 145-151. [5years-IF: 2.540] [U+2013]Top 10 downloaded articles[U+201D] doi: <http://dx.doi.org/10.1016/j.cageo.2011.06.002>
11. Amici, V., Rocchini, D., Geri, F., Bacaro, G., Marcantonio, M., Chiarucci, A. (2012). Effects of an afforestation process on plant species richness: a retrogressive analysis. *Ecological Complexity*, 9: 55-62. [5years-IF: 3.058] doi: <http://dx.doi.org/10.1016/j.ecocom.2011.11.006>
12. Cateni, C., Rocchini, D. (2012). Teaching Mathematics creatively, Book Review. *European Journal of Teacher Education*, 35: 129-131. [5years-IF: 1.135]
13. Rocchini, D., Neteler, M. (2012). Spectral rank-abundance for measuring landscape diversity. *International Journal of Remote Sensing*, 33: 4458[U+2013]4470. [5years-IF: 1.819] doi: <http://dx.doi.org/10.1080/01431161.2011.648286>

1. Rocchini, D., Hortal, J., Lengyel, S., Lobo, J.M., Jimenez-Valverde, A., Ricotta, C., Bacaro, G., Chiarucci, A. (2011). Accounting for uncertainty when mapping species distributions: The need for maps of ignorance. *Progress in Physical Geography*, 35: 211-226. [5years-IF: 4.492] doi: <http://dx.doi.org/10.1177/0309133311399491>
2. Neteler, M., Rocchini, D. (2011). Why Geomatics matter. *Geography and You*, September-October issue, p. 28-29.
3. Bacaro, G., Rocchini, D., Duprè, C., Diekmann, M., Carnesecchi, F., Gori, V., Chiarucci, A. (2011). Absence of distance decay in plot species similarity at small extent in an urban brown-field. *Community Ecology*, 13: 36-44. [5years-IF: 2.724] doi: <http://dx.doi.org/10.1556/ComEc.13.2012.1.5>
4. Pelorosso, R., Della Chiesa, S., Tappeiner, U., Leone, A., Rocchini, D. (2011). Stability analysis for defining management strategies in abandoned mountain landscapes of the Mediterranean basin. *Landscape and Urban Planning*, 103: 335-346. [5years-IF: 4.268] doi: <http://dx.doi.org/10.1016/j.landurbplan.2011.08.007>
5. Neteler, M., Roiz, D., Rocchini, D., Castellani, C., Rizzoli, A. (2011). Terra and Aqua satellites track tiger mosquito invasion: modeling the potential distribution of *Aedes albopictus* in north-eastern Italy. *International Journal of Health Geographics*, 10:49. [5years-IF: 2.689] doi: <http://dx.doi.org/10.1186/1476-072X-10-49>
6. Bacaro, G., Santi, E., Rocchini, D., Pezzo, F., Puglisi, L., Chiarucci, A. (2011). Geostatistical modelling of regional bird species richness : exploring environmental proxies for conservation purpose. *Biodiversity and Conservation*, 20: 1677-1694. [5years-IF: 2.724] doi: <http://dx.doi.org/10.1007/s10531-011-0054-8>
7. Maccherini, S., Marignani, M., Gioria, M., Renzi, M., Rocchini, D., Santi, E., Torri, D., Tundo, J., Honnay, O. (2011). Determinants of plant community composition of remnant biancane badlands: a hierarchical approach to quantify species-environment relationships. *Applied Vegetation Science*, 14: 378-387. [5years-IF: 2.310] doi: <http://dx.doi.org/10.1111/j.1654-109X.2011.01131.x>
8. Geri, F., Amici, V., Rocchini, D. (2011). Spatially-based accuracy assessment of forestation prediction in a complex Mediterranean landscape. *Applied Geography*, 31: 881-890. [5years-IF: 3.162] doi: <http://dx.doi.org/10.1016/j.apgeog.2011.01.019>
9. Imre, A.R., Cseh, D., Neteler, M., Rocchini, D. (2011). Korcak dimension as a novel indicator of landscape fragmentation and re-forestation. *Ecological Indicators*, 11: 1134-1138. [5years-IF: 3.649] doi: <http://dx.doi.org/10.1016/j.ecolind.2010.12.013>
10. Rocchini, D., McGlinn, D., Ricotta, C., Neteler, M., Wohlgemuth, T. (2011). Landscape complexity and spatial scale influence the relationship between remotely sensed spectral diversity and survey based plant species richness. *Journal of Vegetation Science*, 22: 688-698. [5years-IF: 3.310] doi: <http://dx.doi.org/10.1111/j.1654-1103.2010.01250.x>

1. Rocchini, D., Balkenhol, N., Carter, G.A., Foody, G.M., Gillespie, T.W., He, K.S., Kark, S., Levin, N., Lucas, K., Luoto, M., Nagendra, H., Oldeland, J., Ricotta, C., Southworth, J., Neteler, M. (2010). Remotely sensed spectral heterogeneity as a proxy of species diversity: recent advances and open challenges. *Ecological Informatics*, 5: 318-329. [5years-IF: 2.216] 3rd TOP CITED paper since its publication. doi: <http://dx.doi.org/10.1016/j.ecoinf.2010.06.001>
2. Rocchini, D. (2010). Ecological status and change by remote sensing - Editorial. *Remote Sensing*, 2: 2424-2425. [5years-IF: 3.278] doi: <http://dx.doi.org/10.3390/rs2102424>
3. Amici, V., Geri, F., Csontos, P., Neteler, M., Rocchini, D. (2010). Fuzzy and boolean forest membership: on the actual separability of land cover classes. *Applied Ecology and Environmental Research*, 8: 39-50. [5years-IF: 0.554]
4. Ricotta, C., Godefroid, S., Rocchini, D. (2010). Invasiveness of Brussels alien plants is related to their phylogenetic similarity to native species. *Diversity and Distributions*, 16: 655-662. [5years-IF: 5.670] doi: <http://dx.doi.org/10.1111/j.1472-4642.2010.00676.x>
5. Nagendra, H., Rocchini, D., Ghate, R. (2010). Beyond parks as monoliths: Spatially differentiating park people relationships in the Tadoba Andhari Tiger Reserve in India. *Biological Conservation*, 143: 2900-2908. [5years-IF: 4.748] doi: <http://dx.doi.org/10.1016/j.biocon.2010.04.050>
6. Rocchini, D. (2010). Mathematical Ecology of Populations and Ecosystems by J. Pastor. Book Review. *Ecoscience*, 17: 226-227. [5years-IF: 1.255]
7. Nagendra, H., Rocchini, D., Ghate, R., Sharma, B., Pareeth, S. (2010). Assessing plant diversity in a dry tropical forest: comparing the utility of Landsat and IKONOS satellite images. *Remote Sensing*, 2: 478-496. [5years-IF: 3.278] doi: <http://dx.doi.org/10.3390/rs2020478>
8. Rocchini, D., He, K.S., Oldeland, J., Wesuls, D., Neteler, M. (2010). Spectral variation versus species beta-diversity at different spatial scales: a test in African highland savannas. *Journal of Environmental Monitoring*, 12: 825-831. [5years-IF: 2.461] doi: <http://dx.doi.org/10.1039/b921835a>
9. Rocchini, D., Vannini, A. (2010). What is up? Testing spectral heterogeneity vs. NDVI relationship by quantile regression. *International Journal of Remote Sensing*, 31: 2745-2756. [5years-IF: 1.819] doi: <http://dx.doi.org/10.1080/01431160903085651>
10. Geri, F., Rocchini, D., Chiarucci, A. (2010). Landscape metrics and topographical determinants of large-scale forest dynamics in a Mediterranean landscape. *Landscape and Urban Planning*, 95: 46-53. [5years-IF: 4.268] doi: <http://dx.doi.org/10.1016/j.landurbplan.2009.12.001>
11. Geri, F., Amici, V., Rocchini, D. (2010). Human activity impact on the heterogeneity of a Mediterranean landscape. *Applied Geography*, 30: 370-379. [5years-IF: 3.162]
12. Rocchini, D. (2010). While Boolean sets non-gently rip: a theoretical framework on fuzzy sets for mapping landscape patterns. *Ecological Complexity*, 7: 125-129. [5years-IF: 3.058] doi: <http://dx.doi.org/10.1016/j.ecocom.2009.08.002>
13. Oldeland, J., Wesuls, D., Rocchini, D., Schmidt, M., Norbert, J. (2010). Does using species abundance data improve estimates of species diversity from remotely sensed spectral heterogeneity? *Ecological Indicators*, 10: 390-396. [5years-IF: 3.649] doi: <http://dx.doi.org/10.1016/j.ecolind.2009.07.012>
14. Santi, E., Maccherini, S., Rocchini, D., Bonini, I., Brunialti, G., Favilli, L., Perini, C., Pezzo, F., Piazzini, S., Rota, E., Salerni, E., Chiarucci, A. (2010). Simple to sample: Vascular plants as surrogate group in a nature reserve. *Journal for Nature Conservation*, 18: 2-11. [5years-IF: 2.339] doi: <http://dx.doi.org/10.1016/j.jnc.2009.02.003>
15. Ricotta, C., Godefroid, S., Rocchini, D. (2010). Patterns of native and exotic species richness in the urban flora of Brussels: rejecting the 'rich get richer' model. *Biological Invasions*, 12: 233-240. [5years-IF: 3.105] doi: <http://dx.doi.org/10.1007/s10530-009-9445-0>

1. Rocchini, D., He, K.S., Zhang, J. (2009). Is spectral turnover a proxy of beta diversity at different taxonomic ranks? A test using quantile regression. *Ecological Informatics*, 4: 254-259. [5years-IF: 2.216] doi: <http://dx.doi.org/10.1016/j.ecoinf.2009.07.001>
2. Chiarucci, A., Bacaro, G., Rocchini, D., Ricotta, C., Palmer, M.W., Scheiner, S.M. (2009). Spatially constrained rarefaction: incorporating the autocorrelated structure of biological communities in sample-based rarefaction. *Community Ecology*, 10: 209-214. [5years-IF: 1.404] doi: <http://dx.doi.org/10.1556/ComEc.10.2009.2.11>
3. Rocchini, D. (2009). Commentary on Krishnaswamy et al. - Quantifying and mapping biodiversity and ecosystem services: Utility of a multi-season NDVI based Mahalanobis distance surrogate. *Remote Sensing of Environment*, 113: 904-906. [Top Ranked Journal, Remote Sensing, 5years-IF: 7.388] doi: <http://dx.doi.org/10.1016/j.rse.2009.01.014>
4. Rocchini, D., Nagendra, H., Ghate, R., Cade, B.S. (2009). Spectral distance decay: assessing species beta-diversity by quantile regression. *Photogrammetric Engineering & Remote Sensing*, 75: 1225-1230. [5years-IF: 1.851]
5. Imre, A.R., Rocchini, D. (2009). Explicitly accounting for pixel dimension in calculating classical and fractal landscape shape metrics. *Acta Biotheoretica*, 57: 349-360. [5years-IF: 0.90] doi: <http://dx.doi.org/10.1007/s10441-009-9069-x>
6. Rocchini, D. (2009). Algorithmic foundation of spectral rarefaction for measuring satellite imagery heterogeneity at multiple spatial scales. *Sensors*, 9: 303-310. [5years-IF: 2.437] doi: <http://dx.doi.org/10.3390/s90100303>
7. Rocchini, D., Ricotta, C., Chiarucci, A., De Dominicis, V., Cirillo, I., Maccherini, S. (2009). Relating spectral and species diversity through rarefaction curves. *International Journal of Remote Sensing*, 30, 2705-2711. [5years-IF: 1.819, Qintjremensens] doi: <http://dx.doi.org/10.1080/01431160902755312>
8. Rocchini, D., Marignani, M., Bacaro, G., Chiarucci, A., Ferretti, M., De Dominicis, V., Maccherini, S. (2009). Multi-scale sampling and statistical linear estimators to assess land use status and change. *Applied Vegetation Science*, 12: 225-236. [5years-IF: 2.310] doi: <http://dx.doi.org/10.1111/j.1654-109X.2009.01016.x>

1. Gillespie, T.W., Foody, G.M., Rocchini, D., Giorgi, A.P., Saatchi, S. (2008). Measuring and modeling biodiversity from space. *Progress in Physical Geography*, 32: 203-221. [5years-IF: 4.492] [U+201C]Top 50 Most-Frequently read articles[U+201D] ranked as 10th. doi: <http://dx.doi.org/10.1177/0309133308093606>
2. Nagendra, H., Rocchini, D. (2008). High resolution satellite imagery for tropical biodiversity studies: the devil is in the detail. *Biodiversity and Conservation*, 17: 3431-3442. [5years-IF: 2.724] doi: <http://dx.doi.org/10.1007/s10531-008-9479-0>
3. Rocchini, D., Wohlgemuth, T., Ghisleni, S., Chiarucci, A. (2008). Spectral rarefaction: linking ecological variability and plant species diversity. *Community Ecology*, 9: 169-176. [5years-IF: 1.404] doi: <http://dx.doi.org/10.1556/ComEc.9.2008.2.5>
4. Chiarucci, A., Bacaro, G., Vannini, A., Rocchini, D. (2008). Quantifying species richness at multiple spatial scales in a Natura 2000 network. *Community Ecology*, 9: 185-192. [5years-IF: 1.404] doi: <http://dx.doi.org/10.1556/ComEc.9.2008.2.7>
5. Chiarucci, A., Bacaro, G., Rocchini, D. (2008) Quantifying plant species diversity in a *Natura 2000* Network: Old ideas and new proposals. *Biological Conservation*, 141: 2608-2618.. [5years-IF: 4.748] doi: <http://dx.doi.org/10.1016/j.biocon.2008.07.024>
6. Rocchini, D., Cade, B.S. (2008). Quantile regression applied to spectral distance decay. *IEEE Geoscience and Remote Sensing Letters*, 5: 640-643. [5years-IF: 2.401] doi: <http://dx.doi.org/10.1109/LGRS.2008.2001767>
7. Chiarucci, A., Bacaro, G., Rocchini, D., Fattorini, L. (2008). Discovering and [U+2026] rediscovering the rarefaction formula in ecological literature. *Community Ecology*, 9: 121-123. [5years-IF: 1.404] doi: <http://dx.doi.org/10.1556/ComEc.9.2008.1.14>
8. Bacaro, G., Rocchini, D., Bonini, I., Marignani, M., Maccherini, S., Chiarucci, A. (2008). Ecological determinants of plant species richness at local scale in Mediterranean forests. *Plant Biosystems*, 142: 630-642. [5years-IF: 1.620] doi: <http://dx.doi.org/10.1080/11263500802411064>
9. Rocchini, D. (2008). Theory of reflectance and emittance spectroscopy, by B. Hapke, Book Review. *The Photogrammetric Record*, 23: 241. [5years-IF: 2.033]
10. Marignani, M., Maccherini, S., Rocchini, D., Chiarucci, A., Torri, D. (2008). Planning restoration in a cultural landscape in Italy using object-based approach and historical analysis. *Landscape and Urban Planning*, 84: 28-37. [5years-IF: 4.268] doi: <http://dx.doi.org/10.1016/j.landurbplan.2007.06.005>

1. Rocchini, D. (2007). Effects of spatial and spectral resolution in estimating ecosystem alpha-diversity by satellite imagery. *Remote Sensing of Environment*, 111: 423-434. [Top Ranked Journal, Remote Sensing, 5years-IF: 7.388] doi: <http://dx.doi.org/10.1016/j.rse.2007.03.018>
2. Csontos, P., Rocchini, D., Bacaro, G. (2007). Modelling factors affecting litter mass components of pine stands. *Community Ecology*, 8: 247-256. [5years-IF: 1.404] doi: <http://dx.doi.org/10.1556/ComEc.8.2007.2.11>
3. Rocchini, D., Ricotta, C., Chiarucci, A. (2007). Using remote sensing to assess plant species richness: The role of multispectral systems. *Applied Vegetation Science*, 10: 325-331. [5years-IF: 2.310] doi: <http://dx.doi.org/10.1111/j.1654-109X.2007.tb00431.x>
4. Baffetta, F., Bacaro, G., Fattorini, L., Rocchini, D., Chiarucci, A. (2007). Multi-stage cluster sampling for estimating average species richness at different spatial grains. *Community Ecology*, 8: 119-127. [5years-IF: 1.404] doi: <http://dx.doi.org/10.1556/ComEc.8.2007.1.14>
5. Rocchini, D., Ricotta, C. (2007). Are landscapes as crisp as we may think? *Ecological Modelling*, 204: 535-539. [5years-IF: 2.594] doi: <http://dx.doi.org/10.1016/j.ecolmodel.2006.12.028>
6. Rocchini, D. (2007). Distance decay in spectral space in analysing ecosystem b-diversity. *International Journal of Remote Sensing*, 28: 2635-2644. [5years-IF: 1.819] doi: <http://dx.doi.org/10.1080/01431160600954712>
7. Gerosa, G., Ferretti, M., Bussotti, F., Rocchini, D. (2007). Estimates of ozone AOT40 from passive sampling in forest sites in South-Western Europe. *Environmental Pollution*, 145: 629-635. [5years-IF: 5.008] doi: <http://dx.doi.org/10.1016/j.envpol.2006.02.030>

1. Rocchini, D., Perry, G.L.W., Salerno, M., Maccherini, S., Chiarucci, A. (2006). Landscape change and the dynamics of open formations in a natural reserve. *Landscape and Urban Planning*, 77: 167-177. [[U+201C]Top 25 downloaded articles[U+201D] from January 2006 to April 2006, 5years-IF: 4.268] doi: <http://dx.doi.org/10.1016/j.landurbplan.2005.02.008>
2. Rocchini, D. (2006). GI pioneers come back again. Book review of Longley et al. (2006), *Geographic Information Systems and Science*, 2nd edition. *ISPRS Highlights*, 11: 73-74.
3. Rocchini, D., Cateni, C. (2006). On the measure of spatial centroid in Geography. *Asian Journal of Information Technology*, 5: 729-731.

1. Rocchini, D., Andreini Butini, S., Chiarucci, A. (2005). Maximizing plant species inventory efficiency by means of remotely sensed spectral distances. *Global Ecology and Biogeography*, 14: 431-437. [5years-IF: 7.602] doi: <http://dx.doi.org/10.1111/j.1466-822x.2005.00169.x>
2. Rocchini, D., Di Rita, A. (2005). Relief effects on aerial photos geometric correction. *Applied Geography*, 25: 159-168. [[U+201C]Top 25 downloaded articles[U+201D] from October 2005 to July 2006, 5years-IF: 3.162] doi: <http://dx.doi.org/10.1016/j.apgeog.2005.03.002>
3. Rocchini, D. (2005). Resolution problems in calculating landscape metrics. *Journal of Spatial Science*, 50: 25-36. [5years-IF: 0.978] doi: <http://dx.doi.org/10.1080/14498596.2005.9635047>
4. Rocchini, D. (2005). RS as Rubbish Sensing? A reply from a landscape ecologist. *The Photogrammetric Record*, 20: 404-406. [5years-IF: 2.033] doi: http://dx.doi.org/10.1111/j.1477-9730.2005.00349_1.x

2004

1. Rocchini, D., Chiarucci, A., Loiselle, S.A. (2004). Testing the Spectral Variation Hypothesis by using satellite multispectral images. *Acta Oecologica*, 26: 117-120. [[U+201C]Top 25 downloaded articles[U+201D] from October 2004 to June 2005, 5years-IF: 1.830] doi: <http://dx.doi.org/10.1016/j.actao.2004.03.008>
2. Rocchini, D. (2004). Misleading information from direct interpretation of geometrically incorrect aerial photos. *The Photogrammetric Record*, 19: 138-148. [5years-IF: 2.033] doi: <http://dx.doi.org/10.1111/j.1477-9730.2004.00031.x>

2003

1. Salerni, E., Perini, C., Rocchini, D., Laganá, A., De Dominicis, V. (2003). The Italian check-list of macrofungi: distribution of selected target species in Siena province, Italy. *Mycotaxon* 86: 123-147. [5years-IF: 0.689]

2001

1. Chiarucci, A., Rocchini, D., Leonzio, C., De Dominicis, V. (2001). A test of vegetation-environment relationship in serpentine soils of Tuscany, Italy. *Ecological Research* 16: 627-639. [5years-IF: 1.707] doi: <http://dx.doi.org/10.1046/j.1440-1703.2001.00437.x>

Book chapters

1. Rocchini, D., Leutner, B., Wegmann, M. (2015). From spectral to ecological information. In: Wegmann M., Leutner, B., Dech, S. (Eds.) *Remote Sensing and GIS for Ecologists*, pp. 150-165. Pelagic Publishing, Exeter, UK. [ISBN: 978-1-78427-022-3]
2. Rocchini, D., Wegmann, M., Bevanda, M. (2015). Spatial land cover pattern analysis. In: Wegmann M., Leutner, B., Dech, S. (Eds.) *Remote Sensing and GIS for Ecologists*, pp. 244-257. Pelagic Publishing, Exeter, UK. [ISBN: 978-1-78427-022-3]
3. Leutner, B., Horning, N., Rocchini, D., Wegmann, M. (2015) Spatial data and software. In: Wegmann M., Leutner, B., Dech, S. (Eds.) *Remote Sensing and GIS for Ecologists*, pp. 11-21. Pelagic Publishing, Exeter, UK. [ISBN: 978-1-78427-022-3]
4. Gillespie, T.W., Fricker, A., Robinson, C., Rocchini, D. (2015). Biodiversity of the world: A study from space. in: *Remote Sensing Handbook, Volume II. Remote Sensing Applications Series*: Taylor and Francis. [ISBN: 9781482217957]
5. Rocchini, D., Olteanu-Raimond, A.-M., Delucchi, L., Pareeth, S., Neteler, M., Nagendra, H. (2014). Sensing technologies and their integration with maps: mapping landscape heterogeneity by satellite imagery. In: Bandrova T., Konecny M. Zlatanova S. (Eds.). *Thematic Cartography for the Society*. Springer, New York, pp. 259-273. [ISBN: 978-3-319-08180-9]
6. He, K.S., Rocchini, D. (2013). Plant Invasion and Imaging Spectroscopy. In: Wang, G., Weng, Q. (Eds.). *Remote Sensing of Natural Resources*, CRC Press, Taylor and Francis Group. [ISBN: 9781466556928]
7. Rocchini, D., Balkenhol, N., Delucchi, L., Ghisla, A., Hauffe, H.C., Imre, A., Jord[+00E1]n, F., Nagendra, H., Neale, D., Ricotta, C., varotto, C., Vernesi, C., Wegmann, M., Wohlgemuth, T., Neteler, M. (2012). 23 Spatial Algorithms Applied to Landscape Diversity Estimate from Remote Sensing Data. In: *Models of the Ecological Hierarchy*, Edited by Sven Jorgensen and Ferenc Jordan. Elsevier Publishing. [ISBN: 9780444593962]

1. Geri, F., Giordano, M., Nucci, A., Rocchini, D., Chiarucci, A. (2008). Analisi multitemporale del paesaggio forestale della Provincia di Siena mediante l'utilizzo di cartografie storiche. *Forest@*, 5: 82-91.
2. Rocchini, D., Cade, B.S., Billi, A., Vannini, A., Santoro, E., Bacaro, G., Geri, F., Gasparini, P., Chiarucci, A. (2008). Distance decay della b-similarità: barriere ecologiche o spaziali? *Rivista Italiana di Telerilevamento*, 40: 59-73.
3. Rocchini, D., Andreini Butini, S., Loisele, S.A., Ricotta, C., Chiarucci, A. (2007). L[U+2019]uso dell[U+2019]eterogeneità spettrale per la massimizzazione dell[U+2019]efficienza del censimento di specie vegetali. *Rivista Italiana di Telerilevamento* 37: 37-45.
4. Brunialti, G., Frati, L., Bacaro, G., Bussotti, F., Calderisi, M., Chiarucci, A., Marignani, M., Maccherini, S., Rocchini, D., Ferretti, M. (2007). L[U+2019]esperienza di Terradata environmetrics: nuova impresa spin-off dell[U+2019]università di siena. *NOT.SOC.LICH.ITAL.* 20: 101-104 (2007)
5. Chiarucci A., Rocchini D., Bonini I., Maccherini S., Bacaro G., Marignani M., Ferretti M. (2005). L[U+2019]uso di metodologie quantitative per la valutazione, il monitoraggio e la conservazione della diversità specifica. *Informatore Botanico Italiano* 37.
6. Maccherini S., Castagnini P., Chiarucci A., Ferretti M., Frignani F., Marignani M., Rocchini D., Santi E. (2005). Applicazione di metodologie quantitative nei progetti di conservazione di habitat seminaturali. *Informatore Botanico Italiano* 37.
7. Marignani M., Boddi M., Chiarucci A., Cirillo I., Ferretti M., Maccherini S., Rocchini D. (2005). Telerilevamento e GIS per la conservazione ed il monitoraggio della diversità biologica e territoriale. *Informatore Botanico Italiano* 37.
8. Viciani, D., Foggi, B., Gabellino, A., Rocchini, D. (2002). Contributo alla conoscenza delle praterie su substrati ultramafici dell[U+2019]Alta Valtiberina (Toscana Orientale, Italia). *Fitosociologia* 39: 127-134.
9. Rocchini D., Chiarucci A. (2001). Analisi dei cambiamenti vegetazionali nel territorio di Murlo. In: Campana S. (2001). *Carta Archeologica della provincia di Siena Volume V Murlo*. Nuova Immagine Editrice, Siena.

Conference abstracts and proceedings

2016

1. Rocchini, D. (2016). Biodiversity from space: pitfalls in measuring community diversity from outside the Earth. Symposium "Space - the final frontier for biodiversity monitoring?", organized by the Zoological Society of London, UK, April 29th 2016.
2. Marcantonio, M., Ricotta, C., Rocchini, D. (2016). Measuring Rao's[U+2019]quadratic entropy (Q) from remote sensing, an open source solution. Symposium "Space - the final frontier for biodiversity monitoring?", organized by the Zoological Society of London, UK, April 29th 2016.
3. Bastin, L., Foody, G.M., Costa Fonte, C., Garzon-Lopez, C.X., Rocchini, D., Stehman, S. (2016). A review of sampling issues in the use of VGI for mapping applications. *Spatial Accuracy* 2016, July 5th-8th 2016, Montpellier, France.

1. Skowronek, S., Ewald, M., Aerts, R., Warrie, J., Van De Kerchove, R., Kempeneers, P., Honnay, O., Lenoir, J., Hattab, T., Somers, B., Schmidtlein, S., Rocchini, D., Feilhauer, H. (2016). Mapping invasive plant species with a combination of field and remote sensing data.
2. Rocchini, D., Wegmann, M., Neteler, M., Schmeller, D.S., Pettorelli, N. (2016). How to face fragmentation and heterogeneity by remote sensing? Essential Biodiversity Variables revisited. ESA Living Planet Symposium, May 9th-13th 2016, Prague, Czech Republic.
3. Rugani B., Rocchini D. (2015). Coupling land use information with remotely sensed spectral heterogeneity: a new challenge for life cycle impact assessment of plant species diversity. In: On-line proceedings of the International conference on Life Cycle Assessment as reference methodology for assessing supply chains and supporting global sustainability challenges, LCA for [U+201C]Feeding the Planet and Energy for Life[U+201D], 6th-8th October 2015, Stresa/Milano. ENEA, Roma, IT, pp. 273-276. ISBN: 978-88-8286-321-0
4. Skowronek, S., Ewald, M., Aerts, R., Warrie, J., Van De Kerchove, R., Kempeneers, P., Honnay, O., Lenoir, J., Hattab, T., Somers, B., Schmidtlein, S., Rocchini, D., Asner, G., Feilhauer, H. (2015). Integrating in-situ and remote sensing observations of the terrestrial biosphere to provide insights into earth system function. American Geophysical Union (AGU) Meeting, December 9th-13th, San Francisco, USA.
5. Rocchini, D., Comber, A., Garzon-Lopez, C.X., Neteler, M., Barbosa, A.M., Marcantonio, M., Groom, Q., da Costa Fonte, C., Foody, G.M. (2015). Explicitly accounting for uncertainty in crowdsourced data for species distribution modelling. 9th International Symposium on Spatial Data Quality (ISSDQ 2015), ISPRS Geospatial Week, September 29th-30th 2015, Montpellier, la Grande Motte, France.
6. Comber, A., Mooney, P., Purves, R., Rocchini, D., Walz, A. (2015). Comparing national differences in what the people perceive to be there: mapping variations in crowd land cover semantics. 9th International Symposium on Spatial Data Quality (ISSDQ 2015), September 29th-30th 2015, Montpellier, la Grande Motte, France.
7. Rocchini, D., Marcantonio, M., Foody, G.M., Garzon-Lopez, C.X., He, K.S., Kühn, I., Metz, M., Neteler, M., Turner, W., Hortal, J. (2015). Uncertainty surfaces and maps of ignorance: the possibility of spatially estimating dark diversity. 58th Annual Symposium of the International Association for Vegetation Science, July 19th-24th 2015, Brno, Czech Republic.
8. Hattab, T., Rocchini, D., Somers, B., Feilhauer, H., Warrie, J., Ewald, M., Honnay, O., Kempeneers, P., Aerts, R., Van De Kerchove, R., Skowronek, S., Schmidtlein, S., Lenoir, J. (2015). Modelling of habitat suitability and population dynamics of an invasive plant with advanced remote sensing data. 58th Annual Symposium of the International Association for Vegetation Science, July 19th-24th 2015, Brno, Czech Republic.
9. Rugani, B., Rocchini, D. (2015). Coupling land use information with remotely sensed spectral heterogeneity: a new challenge for life cycle impact assessment of species diversity. EXPO 2015 conference, LCA for [U+201C]Feeding the planet and energy for life[U+201D], October 6th-8th, Stresa, Italy.
10. Rocchini, D. (2015). Advances in estimating species diversity by remote sensing: a challenge for biogeography. International Association for Biogeography Symposium, January 8th - 12th 2015, Bayreuth, Germany. Invited speaker, Plenary Symposium in Tracking Changes from Space: Advances of Remote Sensing in Biogeography.
11. He, K.S., Pettorelli, N., Bradley, B.A., Cord, A., Rocchini, D., Tuanmu, M.-N., Turner, W., Wegmann, M. (2015). Remote Sensing to Shape the Next Generation Species Distribution Models. International Association for Biogeography Symposium, January 8th - 12th 2015, Bayreuth, Germany.

1. Rocchini, D., Wegmann, M., Metz, M., Delucchi, L., Neteler, M. (2015). Spatial ecological complexity as a proxy of biodiversity. 36th International Symposium on Remote Sensing of Environment (invited). 11-15 May 2015, Berlin, Germany.
2. Rocchini, D., Foody, G.M., Ricotta, C., Marcanattonio, M., Delucchi, L., Metz, M., Neteler, M. (2014). Estimating biodiversity in a Free and Open Source environment. 2014 ForestSAT Conference, Nov. 4-7 2014, Riva del Garda, Italy.
3. Rocchini, D. (2014). Remote sensing of biodiversity: measuring ecological complexity from space. SAGEO2014 (Spatial Analysis and GEomatics), Grenoble University Campus, 24th-27th November, 2014 (invited). Grenoble, France.
4. Pareeth, S., Metz, M., Rocchini, D., Salmaso, N., Adrian, R., Neteler, M. (2014). Lake surface temperature as a proxy of climate change [U+2013] Satellite observations versus multi probe data. The Climate Symposium 2014, October 13th-17th 2014, Darmstadt, Germany.
5. Neteler, M., Rocchini, D., Delucchi, L., Metz, M. (2014). Massive data processing in GRASS GIS 7: A new gap-filled MODIS Land Surface Temperature time series data set. FOSS4G OSGeo's European Conference on Free and Open Source Software for Geospatial, Bremen, July 15th-17th, 2014.
6. Neteler, M., Metz, M., Rocchini, D., Marcantonio, M., Rizzoli, A. (2014). Tracking emerging diseases from space: Geoinformatics for human health. In: Geoinformatics: Solving global challenges? IFGI anniversary celebration, Muenster, 10-12 June 2014. url: <https://www.uni-muenster.de/Geoinformatics/en/anniversary/symposium/neteler.html> handle: <http://hdl.handle.net/10449/23671>
7. Penner, J., Blonda, P., Gavish, Y., Kunin, B., Regan, E., Rocchini, D., Secades, C., Sonnenschein, R. (2014). EU BON and its challenges on the use of remote sensing for biodiversity estimates. Symposium: Remote Sensing for Conservation, Zoological Society of London, London, UK, June 22nd - 23rd 2014.
8. He, K.S., Rocchini, D., Neteler, M., Nagendra, H. (2014). Benefits of hyperspectral remote sensing for tracking plant invasions. Symposium: Remote Sensing for Conservation, Zoological Society of London, London, UK, June 22nd - 23rd 2014.
9. Neteler, M., Metz, M., Rocchini, D., Rizzoli, A. (2014). Tracking emerging diseases from space: Geoinformatics for human health. Symposium: Geoinformatics: Solving global challenges? University of Muenster, June 11th 2014, Muenster, Germany.
10. Metz, M., Rocchini, D., Neteler, M. (2014). A closer look at temperature changes with remote sensing. Paper at EGU General Assembly 2014, Vienna, Austria.
11. Pareeth, S., Metz, M., Rocchini, D., Salmaso, N., Neteler, M. (2014) Time series analysis of satellite derived surface temperature for Lake Garda. Paper at EGU General Assembly 2014, Vienna, Austria.

2013

1. Pareeth, S., Metz, M., Rocchini, D., Salmaso, N., Neteler, M. (2013). Warm Lakes: retrieval of lake surface water temperature (LSWT) for large sub-alpine lakes from multiple sensor satellite imageries. Paper presented at XXI Congresso dell'Associazione Italiana di oceanologia e limnologia A.I.O.L., Lignano Sabbiadoro (UD).
2. Rocchini, D., Dadalt, L., Delucchi, L., Neteler, M., Palmer, M.W. (2013). Is spectral diversity a proxy of plant species richness at a continental scale? A test on North American floras. IAVS International Association for Vegetation Science Annual Meeting, Tartu, Estonia, June 26th-30th 2013.
3. Mosca, E., Eckert, A., Di Pierro, E., Rocchini, D., La Porta, N., Neale, D. (2012). Patterns of genetic variation across four forest species. Paper presented at International Conference "Molecular Ecology", Vienna, Austria, 4-7 February 2012.
4. Mairota, P., Leronni, V., Xi, W., Mladenoff, D.J., Rocchini, D., Nagendra, H. (2013). Landscape spatial modelling and scenario analysis of Mediterranean forest dynamics under climate change and anthropogenic disturbance conditions for adaptive management in protected areas. IX National Congress of the The Italian Society of Silviculture and Forest Ecology (<http://www.sisef.it/forest/>) Bolzano, 16-19 September 2013.

2012

1. Zorer, R., Rocchini, D., Delucchi, L., Metz, M., Hunter, J., Strever, A., et al. (2012). Application of daily MODIS Land Surface Temperature data in viticulture. Paper presented at 34th SASEV Congress, All[U+00E9]e Bleue, Western Cape, South Africa.
2. Neteler, M., Metz, M., Rocchini, D., Delucchi, L., Rizzoli, A. (2012). Spatial Epidemiology with Open Source GIS. Paper presented at Action Team 6 Follow-Up Initiative (AT6FUI). Improving Public Health through Space Technology Applications: An Open Community Approach (OCA), United Nations Campus Bonn, Germany.
3. Neteler, M., Rocchini, D., Zorer, R., Delucchi, L., Metz, M. (2012). Creating a gap-free time series of daily MODIS Land Surface Temperature maps. 34th SASEV Congress, Stellenbosch.
4. Neteler, M., Metz, M., Rocchini, D., Delucchi, L., Rizzoli, A. (2012). Spatial Epidemiology with Open Source GIS. Paper presented at Action Team 6 Follow-Up Initiative (AT6FUI). Improving Public Health through Space Technology Applications: An Open Community Approach (OCA), United Nations Campus Bonn, Germany.
5. Ghisla, A., Rocchini, D., Neteler, M., Forster, M., Kleinschmit, B. (2012). Species distribution modelling and open source GIS: why are they still so loosely connected? International Environmental Modelling and Software Society (iEMSs) 2012, International Congress on Environmental Modelling and Software, 1-5 July 2012, Leipzig, Germany.
6. Rocchini, D., Metz, M., Ricotta, C., Landa, M., Frigeri, A., Neteler, M. (2012). Fourier transforms: a continuum of functions to explore ecological complexity in an open source space. IAVS International Association for Vegetation Science Annual Meeting, Mokpo, South Korea, July 24th-30th 2012.
7. Rocchini, D. (2012). The cat in the Schrodinger box: uncertainty related to the perception of species diversity by remote sensing. i-SUP2012, Innovation for Sustainable Production Congress, Invited Speaker, Bruges, Belgium, 6-9 May 2012.
8. Rizzoli, A., Ros , R., Cagnacci, F., Bolzoni, L., Carpi, G., Neteler, M., Rocchini, D., Tagliapietra, V., Rosso, F., Arnoldi, D., Girardi, M., Hauffe, H. (2012). Biotic factors and emergence of tick-borne encephalitis in Europe: theoretical simulation and empirical observations. Planet Under Pressure World Congress, March 26-29 2012, London, UK.
9. Santi, E., Chiarucci, A., Bacaro, G., Rocchini, D., Bonini, I., Bruni, G., Maccherini, S. (2011). Effects of the spatial scale and the type of predictor on cross-taxon congruence. 41st Annual Meeting of the Ecological Society of Germany, Austria and Switzerland, 5 - 9 September 2011, Oldenburg, Germany.

1. Amici, V., Rocchini, D., Geri F., Bacaro, G., Marcantonio, M., Landi, S., Chiarucci, A. (2011). Effects of forest establishment on plant diversity: a retrogressive analysis. 41st Annual Meeting of the Ecological Society of Germany, Austria and Switzerland, 5 - 9 September 2011, Oldenburg, Germany.
2. Zorer, R., Rocchini, D., Delucchi, L., Neteler, M. (2011). Use of multi-annual MODIS Land Surface Temperature data for the characterization of the heat requirements for grapevine varieties. 6th International Workshop on the Analysis of Multitemporal Remote Sensing Images. Trento, Italy, 12-14 July 2011.
3. Rocchini, D., Delucchi, L., acarò, G., Cavallini, P., Feilhauer, H., Foody, G.M., He, K.S., Nagendra, H., Porta, C., Ricotta, C., Schmidtlein, S., Spano, L.D., Wegmann, M., Neteler, M. (2011). Calculating generalized entropy as a measure of landscape diversity in an Open Source space. 54th Meeting of the International Association for Vegetation Science (IAVS), Lyon, France, 20-24 June 2011.
4. Neteler, M., Metz, M., Delucchi, L., Marcantonio, M., Rocchini, D. (2011). From historical aerial maps to a biotope map: ecological image processing in GRASS GIS. Geoinformatics FCE CTU 2011, 19-20 May, Prague, Czech Republic.
5. Rocchini, D., Balkenhol, N., Delucchi, L., Ghisla, A., Jordan, F., Nagendra, H., Vernesi, C., Wegmann, M., Neeler, M. (2011). Open Source spatial algorithms applied to landscape genetics. 7th ECEM (European Conference on Ecological Modelling), Riva del Garda, 30 May-1 June 2011.
6. Rocchini, D., Delucchi, L., Cavallini, P., Porta, C., Spano, L.D., Neteler, M. (2011). Measuring ecosystem complexity from remotely sensed imagery in an Open Source space. 12[U+00B0] Meeting degli Utenti Italiani GRASS e GFOSS, Trento, 9-11 Febbraio 2011.
7. Zorer, R., Rocchini, D., Delucchi, L., Neteler, M. (2011). Deriving the Winkler bioclimatic index from MODIS Land Surface Temperature data. 1.12[U+00B0] Meeting degli Utenti Italiani GRASS e GFOSS, Trento, 9-11 Febbraio 2011.
8. Amici, V., Geri, F., Rocchini, D., Landi, S., Chiarucci, A. (2011). Backward in time modeling to assess the effects of an afforestation process on plant species richness. 12[U+00B0] Meeting degli Utenti Italiani GRASS e GFOSS, Trento, 9-11 Febbraio 2011.

1. Rocchini, D., Balkenhol, N., Carter, G.A., Foody, G.M., Gillespie, T.W., He, K.S., Kark, S., Levin, N., Lucas, K., Luoto, M., Nagendra, H., Oldeland, J., Ricotta, C., Southworth, J., Neteler, M. (2010). Crossing utopia: estimating species diversity by remote sensing spectral heterogeneity. 7th International Conference on Ecological Informatics. Ghent, Belgium. December 13th-16th, 2010.
2. Rocchini, D., Delucchi, L., Ricotta, C., Ghisla, A., Castellani, C., Zorer, R., Neteler, M. (2010). Measuring spatial diversity in a free algorithmic environment. Open Source Geospatial Foundation (OSGeo) Conference. Barcelona, Spain, September 6th - 9th, 2010.
3. Neteler, M., Roiz, D., Castellani, C., Rocchini, D., Rizzoli, A. (2010). Potential distribution of the tiger mosquito *Aedes albopictus* in Northern Italy derived from reconstructed MODIS Land Surface Temperature maps. Open Source Geospatial Foundation (OSGeo) Conference. Barcelona, Spain, September 6th - 9th, 2010.
4. Rocchini, D., Nagendra, H., Cade, B.S., He, K., Oldeland, J., Ghate, R., Wesuls, D., Neteler, M. (2010). Advances in forecasting species beta-diversity by remote sensing: Current status and future directions. German Society of Ecology, Gf[U+00D6] 40th Anniversary Meeting 2010, Giessen, August 30th - September 3rd 2010
5. Rocchini, D., Wunder, J., Li, M., Vernesi, C., Neteler, M., Castellani, C., Ometto, L., Bolzoni, L., Rosá, R., Rizzoli, A., Varotto, C. (2010). Bayesian theory applied to landscape genetics: testing spatial autocorrelation of genetic similarity by a Markov Chain Monte Carlo test. 9th Meeting on Vegetation Databases, University of Hamburg, February 24-26 2010.

2009

1. Bacaro, G., Rocchini, D., Landi, S., Chiarucci, A. (2009). Problems and solution in assessing and monitoring plant species richness in reserve networks. 2nd European Congress of Conservation Biology, Prague, Czech Republic, September 1st [U+2013] 5th, 2009.
2. Rocchini, D., Wohlgemuth, T., Ricotta, C., Ghisleni, S., Stefanini, A., Chiarucci, A. (2009). Rarefaction theory applied to satellite imagery for relating spectral and species diversity. *Italian Journal of Remote Sensing*, 41: 109-123.
3. Chiarucci, A., Bacaro, G., Landi, S., Amici, V., Geri, F., Rocchini, D. (2009). Compositional divergence among ancient and recent forests: evidences from the field. 18th International Workshop of European Vegetation Survey, Rome, March 25th-28th 2009.

2008

1. Rocchini, D., Wohlgemuth, T., Ricotta, C., Chiarucci, A. (2008). Rarefaction theory applied to spectral and species diversity. XVIII Congresso Nazionale S.It.E., Parma, 1-3 Settembre 2008.
2. Chiarucci, A., Bacaro, G., Vannini, A., Rocchini, D. (2008). Quantifying plant species diversity in a Natura 2000 Network: old ideas and new proposals. XVIII Congresso Nazionale S.It.E., Parma, 1-3 Settembre 2008.
3. La Porta, N., Zottele, F., Rocchini, D. (2008). Fuzzy set theory applied to the characterisation of Alpine forest vegetation. XVIII Congresso Nazionale S.It.E., Parma, 1-3 Settembre 2008.
4. Geri, F., Chiarucci, A., Rocchini, D. (2008). Studio delle trasformazioni del paesaggio attraverso l'[U+2019]analisi multitemporale di dati eterogenei. XVIII Congresso Nazionale S.It.E., Parma, 1-3 Settembre 2008.
5. Rocchini, D., Wohlgemuth, T., Ghisleni, S., Chiarucci, A. (2008). Spectral rarefaction: using satellite imagery to relate species and ecological diversity in Switzerland. 44[U+00B0] Congresso Nazionale della Società Italiana di Scienza della Vegetazione (SISV), Ravenna, 27-29 Febbraio 2008.
6. Ghisleni, S., Bacaro, G., Ricotta, C., Rocchini, D., Chiarucci, A. (2008). Patterns and Determinants of Taxonomic Distinctness in plant communities within eight Sites of Community Importance (Natura 2000 Network), Siena Province, Tuscany. 44[U+00B0] Congresso Nazionale della Società Italiana di Scienza della Vegetazione (SISV), Ravenna, 27-29 Febbraio 2008.
7. Maccherini, S., Marignani, M., Rocchini, D., Santi, E. (2008). Hierarchical analysis of species-environment relationships: plant communities of remnant biancane fields. 44[U+00B0] Congresso Nazionale della Società Italiana di Scienza della Vegetazione (SISV), Ravenna, 27-29 Febbraio 2008.
8. Santi, E., Bonini, I., Brunialti, G., Favilli, L., Maccherini, S., Perini, C., Pezzo, F., Piazzini, S., Rocchini, D., Rota, E., Salerni, E., Chiarucci, A. (2008). Vascular plants role in cross-taxon surrogacy. 44[U+00B0] Congresso Nazionale della Società Italiana di Scienza della Vegetazione (SISV), Ravenna, 27-29 Febbraio 2008.

1. Geri, F., Nucci, A., Giordano, M., Rocchini, D., Chiarucci, A. (2007). Analisi multitemporale del paesaggio forestale della Provincia di Siena mediante l'utilizzo di cartografie storiche. VI Congresso SISEF, Arezzo, 25-27 Settembre 2007.
2. Rocchini, D., Wohlgemuth, T., Chiarucci, A. (2007). Spectral Variation Hypothesis: a theoretical background for predicting plant species diversity from satellite imagery. XVII Congresso Nazionale S.It.E., Ancona, 17-20 Settembre 2007.
3. Chiarucci, A., Bacaro, G., Geri, F., Rocchini, D. (2007). Monitoring plant diversity in Natura2000 network: comparing species diversity indicators over large spatial scales. XVII Congresso Nazionale S.It.E., Ancona, 17-20 Settembre 2007.
4. Geri, F., Giordano, M., Nucci, A., Rocchini, D., Chiarucci, A. (2007). Landscape and topographical determinants of forest dynamics in a Mediterranean landscape. XVII Congresso Nazionale S.It.E., Ancona, 17-20 Settembre 2007.
5. Brunialti, G., Vallone, E., Paiano, N., Frati, L., Calderisi, M., Maccherini, S., Rocchini, D., Bacaro, G., Ferretti, M., Isocrone, D. (2007). Quale approccio metodologico per l'elaborazione dei dati di biomonitoraggio mediante licheni epifiti ottenuti dall'applicazione del protocollo anpa?. XX Convegno della Società Lichenologica Italiana Siena, 13 e 14 settembre 2007. NOT.SOC.LICH.ITAL. 20: 25 (2007).
6. Rocchini, D., Wohlgemuth, T., Chiarucci, A. (2007). Spectral Variation Hypothesis: using satellite imagery to predict plant species hotspots in Switzerland. International Conference [U+201C]Monitoring the Effectiveness of Nature Conservation[U+201D], Swiss Federal Research Institute WSL, Switzerland, September 3rd-6th 2007.
7. Chiarucci, A., Bacaro, G., Rocchini, D. (2007). First phase in monitoring plant diversity in Natura2000 network (Siena Province, Central Italy): comparing species diversity indicators across large spatial scale. International Conference "Monitoring the Effectiveness of Nature Conservation", Swiss Federal Research Institute WSL, Switzerland, September 3rd-6th 2007.
8. Rocchini, D. (2007). Species from space: challenges in biodiversity monitoring by satellite imagery. International Conference on Biodiversity Conservation as a Renewable Resource of Pakistan, Rawalpindi-Islamabad, March 13th-14th 2007.
9. Chiarucci, A., Bacaro, G., Rocchini, D. (2007). A probabilistic approach to biodiversity monitoring in the European Natura2000 network. 49th IAVS Symposium, Palmerston North, New Zealand, February 12th-16th 2007.
10. Rocchini, D., Cade, B.S., Bacaro, G., Billi, A., Santoro, E., Chiarucci, A. (2007). Distance decay della beta-similarità: barriere ecologiche o spaziali? Workshop AIT,SBI Telerilevamento e spazializzazione nel monitoraggio forestale e ambientale per la difesa degli ecosistemi, Isernia, Università del Molise, 24 Gennaio 2007.

1. Bacaro, G., Giordani, P., Bussotti, F., Calderisi, M., Maccherini, S., Marignani, M., Rocchini, D., Brunialti, G., Frati, L., Chiarucci, A., Ferretti, M. (2006). Bridging the gap between description and inference in environmental monitoring - taking over the challenge. XVI Congresso Nazionale S.It.E., Viterbo-Civitavecchia, 19-22 Settembre 2006.
2. Bacaro, G., Rocchini, D., Vannini A., Chiarucci A. (2006). Assessing [U+F061], [U+F062] and [U+F067] diversity in four sites of community importance (Natura 2000 network) in Siena province. XVI Congresso Nazionale S.It.E., Viterbo-Civitavecchia, 19-22 Settembre 2006.
3. Chiarucci, A., Bacaro, G., Rocchini, D. (2006). Application of a sample-based strategy for monitoring plant species diversity in a network of protected areas. 1st European Congress of Conservation Biology, [U+00A0]Eger Hungary, August 22-26 2006.
4. Chiarucci, A., Bacaro, G., Rocchini, D. (2006). Biodiversity monitoring for the Natura2000 network: old Ideas and new proposals. International Conference, Biodiversity Conservation: From Genes to Habitats. Swiss Federal Research Institute WSL, Davos, Switzerland, 23-24 November 2006.
5. Andrei, S., Grechi, D., Lazzaroni, F., Lupi, A., Nenti, A., Rocchini, D., Ferretti, M. (2006). Integrazione di reti di monitoraggio per la stima dei livelli di ozono a scala sub-regionale. L[U+2019]esempio di Firenze. Rete Informativa su ozono e vegetazione: Ozono e vegetazione: il contributo della ricerca italiana. San Piero a Grado, Pisa, 24 Novembre 2006.
6. Ferretti, M., Rocchini, D., Bussotti, F., De Marco, A., Gerosa, G., Petriccione, B. (2006). Scaling-up ozone exposure from [U+2018]found[U+2019] data to the systematic network of forest condition assessment in Italy. IUFRO Research Group 7.01 [U+201C]Impacts of Air Pollution and Climate Change on Forest Ecosystems[U+201D], Riverside California, September 10-15 2006.
7. Frati, L., Brunialti G., Rocchini, D. (2006). Sviluppo di metodi per la V.I.A. di lavori di coltivazione di cave di ghiaia mediante licheni epifiti: un caso studio in provincia di Siena. Congresso della Società Lichenologica Italiana. Trento, 5-7 ottobre 2006.
8. Geri, F., Rocchini, D., Bacaro, G., Chiarucci A. (2006). Diversità vegetale e cartografia dell[U+2019]uso del suolo in 4 pSIC della Provincia di Siena. XVI Congresso Nazionale S.It.E., Viterbo-Civitavecchia, 19-22 Settembre 2006.
9. Rocchini, D., Bacaro, G., Heinken, T., Diekmann, M., G[U+00E9]gout, J.C., Chiarucci, A. (2006). Species similarity decay in forest ecosystem of Europe: the role of regional heterogeneity and dispersal strategy. 91st Ecological Society of America Annual Meeting, Memphis Tennessee, August 6-11 2006.

1. Brunialti, G., Baragatti, E., Frati, L., Santi, E., Rocchini, D., Pezzo, F., Rota, E., Favilli, L., Perini, C., Chiarucci, A. (2005). Analisi delle congruenze tra diversità lichenica e di altri gruppi chiave di taxa: un caso studio nella Riserva Naturale di S. Agnese. Congresso Società Lichenologica Italiana, Trieste, 29-30 settembre 2005.
2. Rocchini, D., Maccherini, S., Chiarucci, A., Marignani, M., Boddi, M., Pellizzi, B., Cirillo, I., Baffetta, F., Ferretti, M. (2005). Remote-sensing survey for the assessment of land use diversity - even remote from reality? XV Congresso Nazionale S.It.E., Torino, 12-14 Settembre 2005.
3. Bacaro, G., Marignani, M., Rocchini, D., Calderisi, M., Ferretti, M., Maccherini, S., Chiarucci, A. (2005). Modelli predittivi di ricchezza specifica nelle foreste della Regione Toscana. XV Congresso Nazionale S.It.E., Torino, 12-14 Settembre 2005.
4. Marignani, M., Maccherini, M., Rocchini, D., Chiarucci, A., Torri, D. (2005). Planning the Restoration of Biancane Cultural Landscape in a Nature Reserve. 48th IAVS Symposium, Lisbon, Portugal July 24th-29th 2005
5. Marignani, M., Maccherini, M., Rocchini, D., Chiarucci, A., Torri, D. (2005). Planning the restoration of biancane cultural landscape with object-oriented image techniques. Ecological Restoration: A Global Challenge, Zaragoza, Spain, September 12th-18th 2005.
6. Bacaro, G., Rocchini, D., Marignani, M., Maccherini, M., Chiarucci, A. (2005). Estimating species richness in Tuscan forests using Generalized Linear Models. 48th IAVS Symposium, Lisbon, Portugal July 24th-29th 2005

1. Rocchini, D., Chiarucci, A., Andreini Butini, S., Loiselle, S.A. (2004) L[uso dell]eterogeneità spettrale derivata da immagini satellitari per la stima dell[eterogeneità spaziale]. Workshop SBI Dall[Ecologia della Vegetazione alla Struttura del Paesaggio, Ravenna, 25 Novembre 2004
2. Boddi, M., Casini, F., Rocchini, D., Angiolini, C. (2004). Analisi multitemporale dei pattern spaziali di una zona umida lacustre. XIV Congresso Nazionale S.It.E., Siena, 4-6 Ottobre 2004.
3. Chiarucci, A., Ferretti, M., Rocchini, D., Baffetta, F., Fattorini, L. (2004). Il campionamento della ricchezza specifica a diverse scale spaziali per il monitoraggio della biodiversità in aree protette. XIV Congresso Nazionale S.It.E., Siena, 4-6 Ottobre 2004.
4. Pezzo, F., Rocchini, D., Benocci, A. (2004). Applicazione del telerilevamento allo studio della selezione dell[habitat di uccelli nidificanti in aree umide a canneto]. XIV Congresso Nazionale S.It.E., Siena, 4-6 Ottobre 2004.
5. Rocchini, D., Chiarucci, A., Boddi, M., Casini, F., Angiolini, C., De Dominicis, V., Loiselle, S.A. (2004). L[uso dell]eterogeneità spettrale per la stima dell[eterogeneità spaziale]. XIV Congresso Nazionale S.It.E., Siena, 4-6 Ottobre 2004.
6. Baffetta, F., Chiarucci, A., Ferretti, M., Rocchini, D. (2004). A sampling design to estimate species richness at multiple spatial scales for biodiversity monitoring. 7th International Meeting Quantitative Methods for Applied Science. Siena, Italy, September 23rd-24th 2004.
7. Casini, F., Boddi, M., Rocchini, D., Angiolini, C. (2004). Analisi multitemporale dei pattern spaziali della Riserva Naturale [Lago di Montepulciano] (Toscana Meridionale). 99[Congresso Nazionale Società Botanica Italiana. Torino, 22-24 Settembre 2004.
8. Rocchini, D., Chiarucci, A., Boddi, M., Casini, F., Angiolini, C., De Dominicis, V., Loiselle, S.A. (2004). Linking spectral heterogeneity to species diversity in a wetland area. 47th IAVS Symposium, Kona, Hawaii, USA, July 18th-23rd 2003.
9. Boddi, M., Casini, F., Rocchini, D., Angiolini, C. (2004). Analisi multitemporale dei pattern spaziali di una zona umida lacustre. Workshop SBI Viaggio alle radici del Paesaggio, Genova, 28-29 Maggio 2004.

2003

1. Chiarucci, A., Bonini, I., Riva, A., Casini, F., Frati, L., Rocchini, D., De Dominicis, V. (2003). Biodiversità: una valutazione della componente vegetale. MON.I.TO., Giornata di Lavoro, [U+2018]Stato di salute, inquinamento e biodiversità delle foreste toscane[U+2019]. Firenze, 6 Novembre 2003.
2. Rocchini, D., Chiarucci, A., Loiselle, S.A. (2003). Monitoraggio della biodiversità tramite uno schema di campionamento multiscalarare[U+201D]. 7[U+00B0] Conferenza ASITA, Volume II, Verona, 28-31 Ottobre: 1689-1694.
3. Rocchini, D., Mudicante, D., Mion, D. (2003). How to detect the input resolution from derived maps? Proceedings of the 4th European Congress on Regional Cartography and Information Systems Volume II, Bologna, Italy, June 17th-20th 2003: 498-499
4. Chiarucci, A., Rocchini, D., Casini, F., Angiolini, C., Loiselle, S.A. (2003). Monitoring of vascular plant diversity by a multiscalar sampling design. 46th IAVS Symposium, Napoli, Italy, June 8th-14th 2003
5. Rocchini, D., Paoli, L., Loppi, S. (2003). Interpolazione spaziale e map overlay nel biomonitoraggio della qualità ambientale tramite licheni. Congresso Società Lichenologica Italiana, Firenze, 18-19 settembre 2003.

2002

1. Rocchini, D., Gonnelli, V. (2002). La storia dei rimboschimenti sulle ofioliti della Valtiberina Toscana e le modificazioni del paesaggio vegetale dal dopoguerra da oggi. Atti Seminario [U+201C]Verso foreste pi[U+00F9] naturali, tra limiti e opportunità[U+201D], Ponte a Buriano e Penna, 12 giugno 2002: 29-35.
2. Rocchini, D., Salerno, M., Maccherini, S., Chiarucci, A. (2002). L[U+2019]uso di griglie vettoriali per la classificazione di foto aeree e la definizione di indici strutturali del paesaggio. XII Congresso Nazionale S.It.E., Urbino, 16-18 Settembre 2002.

2001

1. Salerni E., Perini C., Rocchini D., Laganá A., De Dominicis V. (2001). First contribution to the knowledge of the distribution of macrofungi in Siena province, Italy. Optima, Palermo, 13-19 Settembre 2001.

This CV has been generated by $\text{\LaTeX}$ programming language.

I consent to the use of my personal data in accordance with the provisions of decree 196/2003.

April 19, 2017

