

CURRICULUM VITAE - FRANCESCA CAGNACCI

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RESEARCH INTERESTS IN 100 WORDS

Conservation Ecology of terrestrial ecosystems, with emphasis on ecological and evolutionary determinants of animal behavior, movement, and resource use.
Effects of climate and global change (land transformation, human activities, management practices and conservation measures) on animal spatial distribution and organismal interactions.
Ecology of wildlife diseases, host-parasite dynamics and disease emergence and persistence in changing human-natural systems.
Application of new technologies and quantitative approaches in animal ecology (specifically, Bio-logging via GPS telemetry and Wireless Sensor Networks; analytical tools for spatio-temporal series of geo-referenced data; mechanistic models of animal movement), and founder of the EUROMAMMALS (www.euromammals.org) permanent research consortium.

EMPLOYMENT

2009-present Senior researcher in Animal Ecology (permanent position) at Fondazione Edmund Mach, Research and Innovation Centre (FEM/CRI), Trento, Italy
2015-2016 Hrdy Fellow in Conservation Biology at Harvard University, OEB Dept., Cambridge, USA
2008-2009 Natural Science teacher (tenured- 'di ruolo'), "Istituto Tecnico Villa Greppi", Monticello Brianza, Italy.
2007-2008 Behavioral Ecologist at Centre for Alpine Ecology (contract), Trento, Italy.
2004-2007 Post-Doctoral Behavioral Ecologist at Centre for Alpine Ecology, Trento, Italy.
2003-2004 Post-Doctoral Behavioral Ecologist at Central Science Laboratory, York, UK.
2002-2003 Wildlife Biologist (consultant), OIKOS Institute, Varese, Italy.
2002-2003 Natural Science teacher (tenured- 'di ruolo'), "Istituto Tecnico A. Badoni", Lecco, Italy.
1998-2002 Environmental education, several Protected Areas and NGOs.
1998 Research assistant at Institute for Carnivore Conservation (KORA), Switzerland.

EDUCATION/CERTIFICATIONS

2017 Certified Full Professor in Zoology (Italian Ministry for Further Education and Research-05/B1)
2014 Certified Associate Professor in Ecology (Italian Ministry for Further Education and Research-05/C1)
2003 PhD in Evolutionary Biology, University of Siena, Italy.
2001 Certified Teacher in Natural Sciences at the Post-Compulsory (High School) Education Level, Italian Ministry for Further Education and Research [ranking: 10th out of 2475]
1997 MSc in Biology (5 yr programme, includes undergraduate degree), University of Milan and University of Siena, Italy. Highest honors.

PROJECTS AND GRANTS AWARDED**(*: active projects)**

- 2019-2022* SMOG (Small mammals Monitoring in a Changing world: from community analysis to zoonosis prevalence and space use assessment). Co-funded PhD studentship (Giulia Ferrari). P.I. Budget: 45kEuro. FEM/CRI, Italy & INN University, Norway.
- 2019-2022* WOG - Next generation animal tracking – deciphering the ecological code. Co-P.I. Budget: travel grants. FEM/CRI, Italy, University of Antwerp & WOG network.
- 2018-2022* Assessing multi-species ecological connectivity for wildlife in the Alps. PhD studentship Doctoral Training Partnership in Environmental Sciences (Gioele Passoni). P.I. Budget: in-kind (co-supervision). FEM/CRI, Italy & University of Oxford, Dept. of Zoology.
- 2018-2021* Ibex- Sustainable management of Alpine ibex populations in Retic Alps. P.I. Budget: 4kEuro. FEM/CRI, Stelvio National Park & Curon Venosta Municipality, Italy.
- 2018-2019 Quantitative analysis of Movement ecology data. P.I. Budget: 15kEuro. FEM/CRI, Italy & University of Amsterdam, the Netherlands.
- 2017-2020* ABC AlpBearConnect (Ecological connectivity in the Alpine anthropic matrix: natural reserves and corridors for the conservation of brown bear in the Alps). Co-funded PhD studentship (Andrea Corradini). P.I. Budget: 45kEuro. FEM/CRI, Stelvio National Park & University of Trento, Italy.
- 2017-2020* MILHE- Migration of a large herbivore in ecosystems under anthropogenic and natural change: the Greater Yellowstone and Central European cases. Co-funded PhD studentship (Steffen Mumme). P.I. Budget: 60kEuro. FEM/CRI, University of California-Berkley, USA & University of Rome, La Sapienza.
- 2015-2016 Sarah and Daniel Hrdy Fellowship, recipient. Total Budget (stipend + research budget): 93.500\$. Harvard University/OEB, USA.
- 2016-2017 BEARFENCE (Integrated technological system for deterring problematic bears). P.I. Total Budget: 90kEuro (all partners). Autonomous Province of Trento.
- 2014-2017 A wildlife journey in space and time: methodological advancements in the assessment and analysis of spatiotemporal patterns of animal movement in a changing European environment. Co-funded PhD studentship (Johannes de Groot). P.I. Budget: 80kEuro. FEM/CRI & University of Ghent, Belgium.
- 2013-2020* FOR-WILD (Forecasting the effects of global change on ungulate spatial distributions), Scientific advisor and internal tutor. Co-funded PhD studentship (Nathan Ranc). P.I. Budget: 210kEuro. FEM/CRI & Harvard University/OEB, USA.
- 2013-2020* IRSAE (International Research School in Applied Ecology). FEM P.I. (co-PI) and Partner Coordinator. Budget to FEM: 133kEuro (to 2019). Norwegian Research Council.
- 2013-2016 MAZE.roe (Metagenomic assessment of ecological and zoonotic profiles of expanding roe deer populations). Co-P.I. Total budget: 72kEuro. Italian Ministry for Health.
- 2013-2016 FOXBBC (Urban foxes behaviour assessment through GPS and contact detection collars). P.I. Budget: 12kEuro. BBC & University of Brighton, UK.
- 2012-2021* EURODEER/EUROMAMMALS (Movement Ecology of European Mammals collaborative project). P.I. Budget: 180kEuro (to 2019). Sponsorship from Vectronic Aerospace GmbH; various European Institutions. www.eurodeer.org; www.euromammals.org.

- 2012-2018 RIVER DOLPHINS (Population assessment and conservation of river dolphins in the Amazon), scientific advisor. Study area: Rio Jauaperí, Xixuaú-Xiparinã Reserve, Roraima, Brasil. In kind-FEM & MUSE, Italy.
- 2012-2014 BEARNET (Humane management of brown bear in Alpine areas). P.I. Budget: 25kEuro. Autonomous Province of Trento.
- 2012-2014 FOXEAST (Spatial behaviour of the red fox in relation to disease transmission). P.I. Budget: 10kEuro. University of Tartu, Estonia.
- 2011-2021* 2C2T (Roe and red deer in Trentino and Technology). P.I. Budget: 245kEuro (FEM) + co-funding in kind Adamello Brenta Natural Park, University of Trento, Fondazione Bruno Kessler, Trentino Hunting Association, Forestry Service of Trentino Province, Italy.
- 2011-2015 Partial Migration in ungulates to assess ecosystem response to global change. PhD studentship (Wibke Peters). P.I. Budget: 60kEuro. FEM/CRI & University of Montana.
- 2010-2014 MODAlp (Ecological determinants of roe deer spatial behaviour and movement in the Alps). Co-funded PhD studentship (Federico Ossi). P.I. Budget: 65kEuro. EU Social Funds (FSE) & Aosta Valley Autonomous region (2011-2013), EUROUNGULATES & FEM/CRI (2013-2014).
- 2011-2015 EDEN NEXT (Biology and control of vector-borne infections in Europe; FP7-HEALTH-2010-261504). WG member. EU-FP7.
- 2010-2013 MOVE (Knowledge Discovery from Moving Objects; COST Action IC0903). WG1 member. Budget funded to FC: 2.7kEuro workshop organisation, 2kEuro meeting participation, 6kEuro as incoming or outgoing Short Term Scientific Missions. EU-FP7.
- 2004-2007 BECOCERWI (Behavioural ecology of Cervids in relation to Wildlife infections). P.I. Budget: 180kEuro. Grant N. 3479 Autonomous Province of Trento, Italy.

HONORS

- 2019-2023 Conference series: Elected vice-Chair and Chair for the 3rd (VC) and 4th (C) Movement Ecology of Animals Gordon Research Conferences.
- 2019 Congress: Wildlife Research and Conservation 2019, Berlin, Germany (30/9-2/10). Invited Session Leader ('Smart tags for smart animals; but are we being smart about what we are doing with them?').
- Congress: 8th European Congress of Mammalogy, Warsaw, Poland (23-27/9). Plenary Speaker ('On the move: lesson learned from 15 years of movement ecology on European mammals').
- Congress: 2nd Gordon Research Conference 'Movement Ecology of Animals', Barga, Italy (3-8/3). Discussion Leader ('Neural Basis of Movement, Learning and Memory').
- 2018 Seminar Series: 'Ecology, Evolution and Environmental Biology', Columbia University, New York City, NY, USA (20/11). Invited speaker ('Walking down an uncertain path: the movement tactics continuum in large herbivores').
- Congress: International Deer Biology Conference, Estes Park, CO, USA (5-11/8). Opening keynote speaker. ('Movement, migration and ecological plasticity in deer species: facts and consequences in a changing European landscape').
- 2017-2020 Policy Panel: EUSALP- EU strategy for the Alpine Region. Invited participant of the 'Ecological Connectivity' Action Group (AG7).
- 2017 Meeting: International Biologging Society (IBLS). Invited member of the inaugural Executive Committee (28/9).

- 2016 NSF funded Workshop: 'Measuring and analyzing interactions among mobile entities', UT-Austin, TX, USA, (10-11/11). Keynote speaker. ('Together- in space and time: measuring and interpreting geo-referenced contacts in animal ecology').
- Congress: International Conference 'Ungulates in a changing world: consequences for population dynamics, migration and management', Krasny Bor, Belarus (19-22/9). Invited speaker ('Migration plasticity in ungulates: will it translate into increased resilience to global change?')
- Symposium: "The realities of assessing predation risk", in Canadian Society for Ecology and Evolution, 2016 (CSEE), St. Johns, Newfoundland, Canada (7-11/7). Invited speaker ('Landscape of fear in a human-dominated environment: An approach to incorporate spatio-temporal components in diel cycles').
- Workshop: 'Large herbivore migration in the era of the Anthropocene', Norwegian Academy of Science and Letters, Oslo, Norway (18-19/4). Invited speaker ('The migratory continuum in ungulates') and contributor.
- Talk Series: Harvard Museums of Science & Culture, Spring 2016 Public Talk series, Cambridge, MA, USA (13/4). Invited public talk ('Mammals on the Move').
- Congress: 2nd Gordon Research Conference on Predator-Prey Interactions, Ventura, CA, USA (24-29/01). Invited featured speaker ('Innovative tracking technologies in aid of conservation: can we increase the knowledge and acceptance of large-carnivores in human dominated landscapes?').
- 2015-2016 Fellowship: Sarah and Daniel Hrdy Fellowship in Conservation Biology at Organismic and Evolutionary Biology Dept., Harvard University. Hrdy Fellow & Professor in Conservation Biology at Harvard University College 2015-2016.
- 2015 Seminar Series: 'Research Yale School of Forestry and Environmental Studies Yale University, New Haven, CT, USA (25/10). Invited speaker ('Walking down an uncertain path: the movement tactics continuum in large herbivores').
- Symposium: "Frontiers in Resource and Habitat Selection", in Canadian Society for Ecology and Evolution, 2015 (CSEE), Saskatoon, Saskatchewan, Canada (22/04). Invited keynote speaker ('Habitat selection across scales: insights and opportunities by studying a species at the distribution range scale').
- 2014 Congress: The European Wild boar Conference, Velenje, Slovenia (4/09). Invited speaker ('The Eurodeer experience: the advantages of longitudinal studies')
- Congress: GIScience2014, Workshop AMD'14 (Analysis of Movement Data), Wien, Austria (23/09). Invited keynote speaker ("Lost in space? Figuring out the spatio-temporal scale of movement processes")
- 2012 Workshop: "Tracking movement using GPS", Measuring Behaviour MB2012, Utrecht, The Netherlands, 28-31/8. Guest lecture ("EURODEER: good practice data management and data sharing can lead to better science").
- Workshop: "Workshop on Analysis & Visualization of MOVEMENT: where are we now?" COST Action IC0903, University of Thessaloniki, Thessaloniki, Greece, 10-11/10. Invited speaker ("Animal movement "on track": reconciling the spatial and temporal nature of animal trajectories").

- 2011 Meeting: “European Wildlife Research– common future priorities and potential collaboration”, Stockholm, Sweden, 16-17/2. Invited participant.
Meeting: COST IC0903 MOVE MC/WGs, Mons, Belgium, 20-21/1. Invited participant.
- 2011-present Faculty Affiliate: University of Montana, Wildlife Biology Program, College of Forestry and Conservation, Missoula, USA.
- 2010 Workshop: “The Ecology and Evolution of Partial Migration in Animals”, University of Lund, Sweden, 30-8/2-9. Invited speaker (‘Partial migration in the European roe deer’) and participant.
- 2006 Symposium: “Conservation and Management of Natural resources in DMZ, Korea”, Goseong, South Korea, 7-8/2. Invited participant and keynote guest lecture (‘Biology and Conservation of a Korean flag species: Amur goral’).
- 2002 Visiting researcher for the Italian Embassy at Gangwon National University, South Korea. Feasibility assessment for a conservation project (‘Conservation of Biodiversity in the Demilitarised Zone, Korea’).
Visiting graduate student at KORA (Research Centre for the conservation and management of carnivores in Switzerland).
- 1999-2002 Studentship (3 yrs, Italian Ministry of Education and Research) for a PhD at the Evolutionary Biology Dept., University of Siena, Italy.
- 1999 Fellowship (2 yrs, University of Siena and Monte dei Paschi di Siena) as post-graduate researcher at the University of Siena, Italy
- 1998 Fellowship (1 yr, Italian Ministry for Foreign Affairs) as post-graduate researcher at the Swiss Rabies Centre, University of Bern, Switzerland.

TEACHING

- 2019 ANIMOVE Summer school, Max Planck – Yale Center for Biodiversity, Movement and Global Change, New Haven, CT, USA (10/6). Invited speaker (‘The species’ realised niche in Anthropocene: terrestrial mammal movement and space use constraints and adaptations’).
IRSAE Summer School 2019, Inland Norway University of Applied Sciences and Hólar University College, Hólar, Iceland (4-11/8). 50 students. Session leader / Population and Movement Ecology Theme), Invited Lecturer (‘Walking down an uncertain path: the movement continuum in large herbivores and their resilience to global change’).
Master in Management and Policy for Wildlife (post-graduate 1yr course), University of Venice Ca’ Foscari, Italy. Module ‘Conservation Biology of terrestrial wildlife’ (31/5-1/6). Invited module leader and lecturer.
- 2018-current PhD School in Food, Agriculture and Environmental Sciences (upcoming): member of the Board of Lecturers and Professors.
- 2018 Environmental Research Doctoral Training Partnership Industrial Sandpit, University of Oxford. (25-26/9) Invited guest ‘challenger’.
ANIMOVE Summer school, Radolfzell, Germany (14/9). Invited speaker (‘Walking down an uncertain path: the movement tactics continuum in large herbivores’).

Summer Course: "Dealing with Spatio-temporal Data in Movement and Population Ecology" IRSAE & Edmund Mach Foundation, Trento, Italy (1-9/7). 7 senior scientists, 25 students. Organizers: Francesca Cagnacci, Erlend Nielsen, Øyvind Steifetten. Lecturer.

Master in Management and Policy for Wildlife (post-graduate 1yr course), University of Venice, Italy. Module 'Conservation Biology' (7/4). Invited lecturer.

2017 IRSAE Summer School 2017, Inland Norway University of Applied Sciences, Evenstad, Norway (7/8). 50 students. Session co-leader (Population and Movement Ecology Theme), and invited lecturer ('Walking down an uncertain path: the movement continuum in large herbivores and their resilience to global change').

WIS 6934/74A8, "Next Generation Data Management in Movement Ecology", University of Florida, Fort Lauderdale, Davie, FL, USA (12/5). 20 professionals and graduate students. Invited guest lecturer.

2016 Animal Biodiversity Course, Hampshire College, Amherst, MA, USA (19/10). Invited lecturer ("A wider look on animal-borne data: Next Generation Data Management in Animal Ecology").

Summer course: "Animal Ecology and Traceability", IRSAE & Edmund Mach Foundation, San Michele all'Adige, Italy, 5-8/9. 5 senior scientists, 15 students. Co-organizer and Lecturer.

Harvard University, USA, Spring semester 2016. ESPP 90e, Conservation Biology (Environmental Science and Public Policy concentration).

WIS 6934/74A8, "Next Generation Data Management in Movement Ecology", University of Florida, Fort Lauderdale, Davie, FL, USA (6-9/6). 15 professionals and graduate students. Invited guest lecturer.

Conservation Biology Course, Boston University, Boston, MA, USA (03/02). Invited lecturer. ('Recovering brown bears in central Europe: resource selection, connectivity and conflict').

2015 Summer course: "Next Generation Data Management in Movement Ecology", IRSAE & Edmund Mach Foundation, San Michele all'Adige, Italy (1-9/7). 10 senior scientists, 35 students. Organizer and Lecturer.

PhD school of the Dept. of Biology, University of Padua, Italy (21/3). Invited lecture, ('Next-generation data Management in Movement Ecology: spatial databases from data models to user solutions').

2014 Course in Zoology (BSc), University of Modena, Italy (20/5). Invited lecturer ('Animals as moving objects').

2012 Summer school: "Next Generation Data Management in Movement Ecology", Leibniz-Institute for Zoo and Wildlife Research (IZW), Berlin, Germany (3-7/9). Organisers: Anne Berger, Holger Dettki, Francesca Cagnacci, Ferdinando Urbano. 5 senior scientists, 20 students. Lecturer.

Summer school: "Stuck in motion? Reconnecting questions and tools in movement ecology", International Research School in Applied Ecology, Evenstad, Norway (12-17/8). Organisers: Bram Van Moorter, Francesca Cagnacci, Manuela Panzacchi and Mark S. Boyce. 20 senior scientists, 30 students. Lecturer.

- 2011 Norwegian University for Science and Technology, Trondheim, Norway (15/12). Invited lecturer (“Partial migration in ungulates: the case of roe deer”).
- Summer School: “Moving objects and knowledge discovery”, University of Gent, Belgium (21-23/8). Guest lecturer.
- Course in Wildlife Management (MSc, BSc), University of Padua, Dept in Animal Production and Food Science, Legnaro (19/5). Invited lecturer (“Hi-tech animal ecology: from social interactions, to disease transmission, to animal movement”).
- 2008 Summer school: “Distance sampling method: from fieldwork to analysis to estimate animal abundance”, Pesaro-Urbino Province, Gola del Furlo, Italy (4-9/8). 20 professionals, graduate students. Invited lecturer.
- 2005 Summer school: “Estimating wildlife population: the distance sampling approach”, Centre for Alpine Ecology and Stelvio National Park, Italy (7-8/4). 10 undergraduate students. Organisers: Francesca Cagnacci and Luca Pedrotti. Lecturer.
- Master (post-graduate course): “Ecopathology of wildlife species”, University of Milan and Centre for Alpine Ecology, Trento, Italy (8/06). Invited lecturer (“Behavioural ecology of cervids in relation to wildlife infections: purposes and methods”).
- 2004 Master (post-graduate course): “Ecopathology of wildlife species”, University of Milan and Centre for Alpine Ecology, Italy (19/5). Invited lecturer (“Roe deer: use and selection of anthropogenic and forest habitats”).
- Summer school “Webvalley 2004”, ITC-IRST, Italy, 5-6/7. High school top students. Invited lecturer (“Spatial behavioural ecology”).

ADVISING AND SUPERVISING

Post-graduate research assistants

Johannes De Groeve, University of Amsterdam and FEM (Fondazione Edmund Mach). Post-doc on Eurodeer project, University of Amsterdam, Eurodeer and internal funding, 2018-2019.

Federico Ossi, FEM (Fondazione Edmund Mach). Post-doc research assistant on BEARFENCE project funding, 2016-2017, and internal funding, 2017-2019.

Marco Ballardini, IZS (Institute for Experimental Wildlife Epidemiology) and FEM (Fondazione Edmund Mach). Post-graduate fellow on MAZE.roe project funding, 2015-2016.

PhD Students

PhD in Applied Ecology, Inland Norway University (ongoing). Candidate: Giulia Ferrari. Title: ‘A meta-analysis of the seasonal and environmental determinants of small mammal populations, communities and zoonotic potential across a wide latitudinal and altitudinal gradient’. Advisor: Prof. Olivier Devineau. Joint supervisor with Prof. Harry Andreassen, Valentina Tagliapietra.

PhD in Environmental Research, University of Oxford, UK (ongoing). Candidate: Gioele Passoni. Title: ‘Multi-species animal movement and connectivity in the Alps’. Advisor: Prof. Tim Coulson. Joint supervisor.

PhD in Organismic and Evolutionary Biology, Harvard University, MA-USA (ongoing). Candidate: Nathan Ranc. Title: 'Forecasting the effects of global change on ungulate spatial distributions (FOR-WILD)'. Advisor: Prof. Paul Moorcroft. Joint supervisor.

PhD in Environmental and Evolutionary Biology, University of Rome, La Sapienza, Italy (ongoing). Candidate: Steffen Mumme. Title: The role of large herbivores migration in shaping new trophic cascades under large carnivore returns: the Greater Yellowstone and Central Europe cases. Advisor: Dr Paolo Ciucci. Joint supervisor with Dr Arthur Middleton (University of California-Berkeley).

PhD in Civil, Environmental and Mechanical Engineering, University of Trento, Italy (ongoing). Candidate: Andrea Corradini. Title: Ecological connectivity in the Alpine anthropic matrix: natural reserves and corridors for the conservation of brown bear in the Alps. Advisor: Prof. Marco Ciolli. Joint supervisor with Dr Luca Pedrotti (Stelvio National Park).

PhD in Geography, University of Ghent, Belgium, 2018: Johannes De Groeve. Title: 'A wildlife journey in space and time: methodological advancements in the assessment and analysis of spatiotemporal patterns of animal movement in a changing European environment'. Advisor: Prof. Nico van de Weghe. Joint supervisor. Successfully defended.

PhD in Animal and Food Science, University of Padua, Italy, 2018. Candidate: Paola Semenzato. Title: 'Space use patterns of a female ibex (*Capra ibex*) in a reintroduced population in Eastern Alps.' Advisor: prof. Maurizio Ramanzin. Joint supervisor. Successfully defended.

PhD in Wildlife Biology, University of Montana, USA, 2015: Wibke Peters. Thesis: 'Running to the hills. Migration continuum in large herbivores'. Advisor: Prof. Mark Hebblewhite. Joint supervisor. Successfully defended.

PhD in Biometry and Evolutionary Biology, University of Lyon, France, 2015: Federico Ossi. Thesis: 'Ecological determinants of roe deer (*Capreolus capreolus*) spatial behavior and movement in limiting conditions'. Advisor: Prof Jean-Michel Gaillard. Joint supervisor. Successfully defended.

PhD in Ethology, XX Course, University of Parma, Italy, A.Y. 2007-2008: Anna Stradiotto. Thesis: "Spatial behaviour of the yellow-necked mouse (*Apodemus flavicollis*, Melchior 1834) at contrasting population density and resource availability". Advisor: Luis Nieder. Joint supervisor. Successfully defended.

PhD Committees/Evaluation boards

PhD in Ecology and Evolutionary Biology, Columbia University, USA (ongoing). Candidate: Meredith VanAcker. PhD committee member.

PhD in Ecology, University of Florida, USA. Simona Picardi (PhD 2019). PhD committee member.

PhD in Behavioural Ecology, University of Toulouse and INRA, France. Ophélie Couriot (PhD 2018). PhD committee member.

PhD in Computer Science, University of Milan. Fatme Hachem (PhD 2018). Thesis evaluator.

PhD in Ecology, University of Melbourne, AU. Bronwyn Hradsky (Phd 2016). Thesis evaluator.

PhD in Evolutionary Biology, University of Zurich, Switzerland. Benedikt Gehr (PhD 2016). PhD committee member.

MSc Students

MSc in Earth Sciences, University of Amsterdam, The Netherlands. Candidate: Matthijs Hinkamp. Advisor: Dr Emiel van Loon. Co-advisor.

MSc in Biodiversity and Evolution, University of Bologna, Italy. Candidate: Sara Savazza. Co-advisor with Giulia Ferrari.

MSc in Geo-ecological dynamics, University of Amsterdam, The Netherlands, 2018-2019: Matthias Randles. Advisor: Dr Emiel van Loon. Co-advisor with Andrea Corradini.

MSc in Eco-biology, University of Rome "La Sapienza", Italy, 2018-2019: Daniele Falcinelli. Advisors: Prof. Luigi Boitani, Prof. Maria Letizia Costantini. Co-advisor.

MSc in Biology, University of Aveiro, Portugal, 2017-2018: Maria Almeida. Advisor: Dr Rita Tinoco-Torres. Co-advisor.

MSc in Geography, University of Zurich, CH, 2017-2018: Susanne Täschler. Advisor: Prof. Robert Weibel. Co-advisor.

MSc in Biology, University of Padova, Italy, 2017-2018: Marco Salvatori. Advisor: Prof. Griggio. Co-advisor.

MSc in Eco-biology, University of Rome "La Sapienza", Italy, 2016-2017: Priscilla Bonanni. Advisor: Dr. Paolo Ciucci. Co-advisor.

MSc in Ecology of Global changes, University of Trieste, Italy. 2016-2017: Tobia Sforza. Advisor: Prof. Alfredo Altobelli. Co-advisor.

MSc in Eco-biology, University of Rome "La Sapienza", Italy, 2016-2017: Ginevra Lilli. Advisor: Prof. Luigi Boitani. Co-advisor.

MSc in Wildlife management, University of Florence, Italy, 2015-2016: Valentina Erculiani. Advisor: Prof. Gianni Argenti. Co-advisor.

MSc in Wildlife management, University of Florence, Italy, 2015-2016: Maria Valent. Advisor: Prof. Chiara Sargentini. Co-advisor.

MSc in Mathematical Biology, University of Trento, Italy, 2015-2016: Alessio Giorgetti. Advisor: Prof. Andrea Pugliese. Co-advisor.

MSc in Eco-Biology, University of Rome "La Sapienza", Italy, 2015-2016: Valentina Zini. Advisor: Prof. Luigi Boitani. Co-advisor together with Wibke Peters.

MSc in Eco-Biology, University of Rome "La Sapienza", Italy, 2014-2015: Simona Picardi. Advisor: Prof. Luigi Boitani. Co-advisor.

MSc in Eco-Biology, University of Rome "La Sapienza", Italy, 2014-2015: Filippo Bianchini. Advisor: Prof. Luigi Boitani. Co-advisor.

MSc in Eco-Biology, University of Rome "La Sapienza", Italy, 2013-2014: Sara Mancinelli. Advisor: Prof. Luigi Boitani. Co-advisor.

MSc in Geography, University of Gent, Belgium, 2011-2012: Johannes de Groove. Thesis: Advisor: Prof. Nico van de Wege. Co-advisor.

MSc in Biodiversity and Nature Conservation, University of Rome "La Sapienza", Italy, 2009/2010: Paola Semenzato. Advisor: Paolo Ciucci. Co-advisor.

MSc in Telecommunication Engineering, University of Trento, Italy, 2008-2009: Davide Molteni. Advisor: Prof. Gian Pietro Picco. Co-advisor with Stefan Guna.

MSc in Natural Sciences, University of Padua, Italy, 2006-2007: Alessandro Tenca. Advisor: Prof. Andrea Pilastro. Co-advisor.

MSc in Biology, University of Siena, Italy, 2000-2001: Cristina Burgio. Advisor: Prof. Sandro Lovari. Co-advisor with Dr Claudia Melis.

MSc in Biology, University of Siena, Italy, 2000-2001: Lucia Bargagli. Advisor: Prof. Sandro Lovari. Co-advisor with Dr Claudia Melis.

BSc Students

BSc in Future Planet Studies, University of Amsterdam, The Netherlands, 2018-2019: Marrit Leenstra. Advisor: Emiel van Loon. Co-advisor with Johannes De Groeve.

BSc in Integrative Biology, Harvard University, USA, 2016-2017: Julius Bright-Ross. Advisor: Paul Moorcroft. Co-advisor with Federico Ossi.

BSc in Forestry and environmental management, University of Bologna, Italy, 2017-2018: Stefano Salmistraro. Advisor: Dr Dino Scaravelli. Co-advisor with Federico Ossi.

BSc in Analysis and Management of Natural resources, University of Insubria, Italy, 2012-2013: Thomas Mercurio. Advisor: Dr Adriano Martinoli. Co-advisor.

BSc in Forestry and environmental management, University of Padua, Italy, 2012-2013: Debora Capraro. Advisor: Prof. Maurizio Ramanzin. Co-advisor.

BSc in Natural Sciences, University of Milan, Italy, 2006-2007: Federica Badino. Advisor: Dr Franca Guidali, Co-advisor with Dr Luca Pedrotti.

BSc in Natural Sciences, University of Milan, Italy, 2006-2007: Micol Roncoroni. Advisor: Dr Franca Guidali, Co-advisor with Dr Luca Pedrotti.

BSc in Natural Sciences, University of Milan, Italy, 2006-2007: Nicola Geneletti. Advisor: Dr Franca Guidali, Co-advisor with Dr Luca Pedrotti.

BSc in Natural Sciences, University of Milan, 2005-2006: Eliana Artale. Advisor: Dr Franca Guidali. Co-advisor.

BSc in Natural Sciences, University of Milan, 2005-2006: Elisa Destro. Advisor: Dr Franca Guidali.

BSc in Natural Sciences, University of Milan, 2004-2005: Francesca Falzoni. Advisor: Prof. Marco Ferraguti. Co-advisor.

Internships

Graduate Master course 'Management and Administration of Wildlife', University of Venice 'Ca' Foscari', 2018-2019. Fellow: Simone Dal Farra. Advisor & Tutor at the hosting institution.

Visiting graduate student-Internship, Ecole Nationale Supérieure d'Agronomie de Toulouse, 2-3/2019. Fellow: Louis Jouve. Tutor at the hosting institution.

Summer internship sponsored by Harvard University, 2018. Fellow: Angeline Diana. Harvard University/OEB Dept.

Internship sponsored by the Hansen Foundation, 2017-2018. Fellow: Katherine Whitney Hansen, FEM Junior Affiliate and Harvard/OEB Moorcroft lab member.

Internship EU-Lifelong Learning Programme (ERASMUS Placements), 9-11/2013. Fellow: Miriam Wippler. Tutor at the hosting institution.

Visiting graduate student-Internship, University of Turin, 6-8/2013. Fellow: Matteo Rizzuto. Advisor: Francesca Marucco. Tutor at the hosting institution.

Visiting graduate student, University of Gent, Belgium, 2-5/2013 and 7-9/2013. STSM, COST Action IC0903: Johannes de Groove. Advisor: Prof. Nico van de Weghe. Tutor at the hosting institution.

Visiting PhD student, University of Gent, Belgium, 4-5/2012. STSM, COST Action IC0903: Seyed Hossein Chavoshi. Advisor: Prof. Nico van de Wege. Tutor of the hosting institution.

Visiting PhD student, University of Rio Cuarto, Cordoba, Argentina, 6-12/2006. Candidate: Ivana Simone. Tutor of the hosting institution.

Graduate Master course "Conservation and management of terrestrial wildlife", University of Florence, Italy, 2004-2005. Fellow: Maria Valent. Advisor & Tutor at the hosting institution.

Graduate Master course "Competiveness of Alpine areas", Catholic University "Sacro Cuore" of Cremona, 2004-2005. Fellow: Michela Peli. Advisor & Tutor at the hosting institution.

Field and technical research assistants

Maria Valent (2013); Nathan Ranc, Sara Mancinelli, Paola Semenzato (2014, 2018), Federico Ossi (2015), Ginevra Lilli (2018).

SERVICE

Institutional and Scientific Boards and Committees

2019-present PhD School AES (Agri-Food and Environmental Sciences), Centre for Agriculture, Food and Environment, University of Trento, Italy. Faculty board.

2018-present: PhD School Committee, Fondazione Edmund Mach, Research Innovation Centre. Advising, budget monitoring, events and educational offer organization.

2018-2020: Doctoral Training Partnership in Environmental Research, University of Oxford. Member of the Partnership and Associate Supervisor.

2020 Congress: "XII Italian Congress of Mammalogy", ATIt, Cogne, Italy, 28-30/5. Scientific Committee member

2017 Bio-Logging Symposium 2017, Konstanz, Germany, 25-29/9. Scientific Committee Member

2016-present: Executive Committee member of the International Biologging Society. www.bio-logging.net/SOCIETY/

2009-present: Scientific Coordinator of EURODEER/EUROUNGULATES/EUROMAMMALS (100 European institutions; scientific roadmap, spatial database, website and events). www.euromammals.org.

- 2013-2020: Steering Board member of IRSAE (International Research School in Applied Ecology), and Population and Movement Ecology Theme co-leader. www.irsae.no
- 2012-present: Scientific advisor for Amazonia Association. www.amazonia.org
- 2016-2020 Elected Member of the Executive Committee of the Group for Large Mammals Conservation and Management of the Italian Mammal Society. www.mammiferi.org/glamm/
- 2010-2014 &
- 2018-2020: Elected Member of the Executive Committee of the Italian Mammal Society (Associazione Teriologica Italiana). www.mammiferi.org
- 2014 Congress: “IX Italian Congress of Mammalogy”, ATIt, Civitella Alfedena, Italy, 7-10/5. Scientific Committee member
- 2012 Congress: “VIII Italian Congress of Mammalogy”, ATIt, Piacenza, Italy, 9-11/5. Scientific Committee member.

Organised Scientific events

- 2020 Conference Global Initiative on Ungulate Migration, University of Wyoming, Jackson Lake, Wyoming, USA (25-31/5). Organisers: Matt Kauffman, Francesca Cagnacci together with Thomas Mueller, Grant Hopcraft, Simon Chamaillé, Atle Mysterud, Wibke Peters and UNEP-CMS.
- Summer School in Applied Ecology, International Research School in Applied Ecology, Fondazione Edmund Mach, San Michele all’Adige, Italy (26-31/7). Principal Organiser, Movement Ecology Theme workshop and activities. 80 students and 10 leading scientists.
- 2019 Technical Days of Group for Large Mammals of ATIt. Italian Mammal Association, Ferrara, Italy (28-29/11). Organisers: Stefano Grignolio, Simona Imperio, Enrico Merli, Laura Scillitani, Francesca Cagnacci.
- Workshop: “Trophic cascades and wildlife diseases in the Yellowstone National Park and other complex ecosystems”, Fondazione Edmund Mach, San Michele all’Adige, Italy (17-18/9). 10 leading scientists and graduate students. Organisers: Peter Hudson, Tim Coulson, Andy Dobson, Francesca Cagnacci.
- Workshop: “Global Initiative on Ungulate Migration”, Fondazione Edmund Mach, San Michele all’Adige, Italy (18-10/9). 8 leading scientists. Organisers: Francesca Cagnacci, Matt Kauffman.
- Summer Course: “Bridging Phylogeny and Population genetics: Inferring divergence and selection at both interspecies and intraspecies level”. IRSAE & Edmund Mach Foundation, San Michele all’Adige, Italy (27/8-1/9). 20 students. Organiser with Omar Rota-Stabelli.
- Summer School in Applied Ecology, International Research School in Applied Ecology, Hólar University College, Iceland (7-11/8). Movement Ecology Theme workshop and activities. 60 students and 10 leading scientists. Session leader and co-Organiser.
- XI EURODEER meeting, University of Dublin, Dublin (12-15/06). 20 senior scientists, 15 students. Organisers: Simone Ciuti, Francesca Cagnacci.

- 2018 Summer Course: “Dealing with Spatio-temporal Data in Movement and Population Ecology”, IRSAE & Edmund Mach Foundation, Trento, Italy (1-9/7). 7 senior scientists, 25 students. Local organiser and scientific organizer with Erlend Nielsen.
- X EURODEER meeting, Stelvio Park, Sant’Antonio Valfurva, Italy (25-27/06). 20 senior scientists, 15 students. Organisers: Luca Pedrotti, Francesca Cagnacci.
- 2017 Workshop: “A future for a common bio-logging language? Discussions about data standards and interoperability in the bio-logging world”, Biologging6, Konstanz, Germany (27/9). Organisers: Sarah Davidson, Francesca Cagnacci. Board of experts: Ferdinando Urbano, Holger Dettki, Alessandro Oggioni, Bernie McConnell, Lee Belbin, Peggy Newman, Peter Desmet.
- Summer School in Applied Ecology, International Research School in Applied Ecology, Evenstad, Norway (7-11/8). Movement Ecology Theme workshop and activities. 50 students. Session co-leader and organiser.
- IX EURODEER meeting, BOKU, Forchtenstein, Austria (18-21/04). 20 senior scientists, 15 students. Organisers: Robin Sandfort, Francesca Cagnacci.
- 2016 Summer School: “Animal Ecology and Traceability”, IRSAE & Edmund Mach Foundation, San Michele all’Adige, Italy (5-8/9). 15 students. Organisers: Francesca Cagnacci, Luana Bontempo.
- ESA 2016, Workshop WK 12: "Introduction to Data Management and Analysis in Movement Ecology", Fort Lauderdale, Florida, USA (7/08). Scientific organizer with Dr Mathieu Basille.
- VIII EURODEER meeting, CNR, Florence, Italy (28/06-01/07). 20 senior scientists, 15 students. Organisers: Mark Hewison, Stefano Focardi, Francesca Cagnacci.
- Training in “Negotiation for Conservation”, Harvard University, Cambridge, MA, USA (08/04). 20 trainees. Organisers: Sarah Kariko, Patricia Wright, Gillian Todd, Francesca Cagnacci.
- 2015 Summer School: Next Generation Data Management in Movement Ecology, IRSAE & Edmund Mach Foundation, San Michele all’Adige, Italy (01-10/7). 40 students. Organiser: Francesca Cagnacci.
- VII EURODEER meeting, CNRS, Chizé, France (16-19/03). 20 senior scientists, 15 students. Organisers: Mark Hewison, Jean-Michel Gaillard, Francesca Cagnacci.
- 2014 VI EURODEER meeting, SLU, Grimso, Sweden (01-05/07). 20 senior scientist, 10 students. Organisers: Peter Kjellander, Francesca Cagnacci.
- 2013 V EURODEER meeting, Aarhus Uni, Kalo, Denmark (02-05/12). 20 senior scientist, 10 students. Organisers: Peter Sunde, Francesca Cagnacci.
- Workshop: “Large-scale animal ecology and management: Integrating large GPS-telemetry datasets”, IUGB 2013, Brussels, Belgium (27-29/8/2013). Organisers: Francesca Cagnacci, Mark Hebblewhite.
- IV EURODEER meeting, INRA Toulouse, Moulis, France (17-20/2). 20 senior scientist, 10 students. Organisers: Mark Hewison, Francesca Cagnacci.
- 2012 Summer school: “Next Generation Data Management in Movement Ecology”, Leibniz-Institute for Zoo and Wildlife Research (IZW), Berlin, Germany (3-7/9). Organisers: Anne

Berger, Holger Dettki, Francesca Cagnacci, Ferdinando Urbano. 5 senior scientists, 20 students.

Summer school & Workshop: "Stuck in motion? Reconnecting questions and tools in movement ecology", International Research School in Applied Ecology, Evenstad, Norway (12-17/8). Organisers: Bram Van Moorter, Francesca Cagnacci, Manuela Panzacchi and Mark S. Boyce. 20 senior scientists, 30 students.

III EURODEER meeting, Fondazione Edmund Mach, San Michele all'Adige, Italy (15-17/2). 20 senior scientist, 10 students. Organiser.

2011 II EURODEER meeting, Srni, Czech Republic (7/6). 30 senior scientists, 20 students. Organisers: Francesca Cagnacci, Pavel Sustr.

Workshop: "Biologged data management and sharing", Biologging4, Hobart, Tasmania, AU (16/3). Organisers: Francesca Cagnacci, Holger Dettki, Jason Hartog. 40 senior scientists.

2010 I EURODEER meeting, ISPRA, Ozzano dell'Emilia, Italy (15-17/12). 25 senior scientists. Organisers: Francesca Cagnacci, Stefano Focardi.

2008 Workshop: "GPS-based radio-telemetry: challenges and opportunities for behavioural ecology studies", Centre for Alpine Ecology, Trento, Italy (1-5/9). 25 senior scientists. Organisers: Francesca Cagnacci, Luigi Boitani and Roger Powell.

2006 Workshop: "The Ecology of Zoonoses", Centre for Alpine Ecology, Trento, Italy (12-17/7). Centre for Alpine Ecology and Penn State University, USA. Helper.

2005 Summer school: "Estimating wildlife population: the distance sampling approach", Centre for Alpine Ecology and Stelvio National Park, Italy (7-8/4). Organisers: Francesca Cagnacci and Luca Pedrotti.

Evaluation Panels

H2020-MSCA-IF-2019 ENV evaluation panel. Invited Evaluation Expert. Evaluation phase and Consensus phase-28/09-21/11/2019.

H2020-MSCA-ITN-2019 EJD evaluation panel. Invited Evaluation Expert. Evaluation and Consensus phase- 8/02-31/03/2019.

H2020-MSCA-IF-2018 ENV evaluation panel. Invited Evaluation Expert. Evaluation phase and Consensus phase- 8/10-02/12/2018.

H2020-MSCA-IF-2017 ENV evaluation panel. Invited Evaluation Expert. Evaluation phase and Consensus phase- 9/10-03/12/2017.

National Geographic Society grant reviewer, I semester 2017.

H2020-MSCA-IF-2016 ENV evaluation panel. Invited Evaluation Expert. Evaluation phase and Consensus phase- 12/10-20/11/2016.

NSF (National Science Foundation, USA). Invited External Evaluator, Geography & Spatial Sciences Program, 11/2015.

ANR (French National Research Agency). Invited Evaluation Expert 05/2015.

H2020-MSCA-IF-2014-ST ENV evaluation panel. Invited Evaluation Expert. Remote phase and Consensus phase- Brussels 27-31/10/2014.

VAS award 2014. Invited evaluator for assessment of proposals.

GISScience, AMD'14. Invited editorial board member for assessment of abstracts.

FP7-PEOPLE-2013-IEF-IIF-IOF- ENV evaluation panel. Invited Evaluation Expert. Remote phase and Consensus phase- Brussels 7-11/10/2013.

Workshop for Assessment of Carnivores and Small mammal Conservation Status, Habitat Directive, ATIt & ISPRA, University of Rome "La Sapienza", Italy (26-28/3/2013). Invited Evaluator.

Editorial Appointments

Associate Editor of Journal of Animal Ecology (since 2020)

Associate Editor of Movement Ecology (since 2019).

Guest Editor of a Special Feature of Journal of Animal Ecology (85:5-84, 2016).

Associate Editor of the Journal of Wildlife Management (since 2015).

Associate Editor of the Journal of Animal Biotelemetry (since 2013).

Associate Editor of Hystrix, the Italian Journal of Mammalogy (since 2012). Elected Coordinator of the Editorial Committee, 2012-2020.

Guest Corresponding Editor of a Theme Issue of Philosophical Transactions of the Royal Society (365, 2010)

Refereeing experience

Referee of >30 Journals ranked in ISI, here listed in alphabetical order (Acta Theriologica, Animal Behaviour, Animal Conservation, BCM Ecology, Behavioural Ecology, Behavioural Ecology and Sociobiology, Chronobiology International, Ecography, Ecohealth, Ecology, Ecosphere, Endangered Species Research, European Journal of Wildlife Research, Folia Zoologica, Hystrix- the Italian Journal of Mammalogy, Integrative Zoology, the Interface Journal of the Royal Society, Italian Journal of Animal Science, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Biogeography, Journal of Wildlife management, Mammalian Biology, Methods in Ecology and Evolution, Movement Ecology, North-West Science, OIKOS, Oecologia, PLoS ONE, Wildlife Biology, Wildlife Research, Science News, Ursus).

INVITED SEMINARS

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|------|---|
| 2019 | Marseille, France, IMeRa (06/11). Invited seminar ('From unaware rewilding to the new highlanders: challenges and opportunities of changing Alpine landscape') |
| 2018 | Aveiro, Portugal, University of Aveiro (21/12). Invited seminar ('Habitat selection across scales: insights and opportunities by studying a species at the distribution range scale') |
| 2016 | Konstanz, Germany, University of Konstanz (30/06). Invited seminar ('Terrestrial mammals in the Anthropocene: Insights on emerging movement patterns from cross-disciplinary and multi-scale studies'). |
| | Gainesville, FL, USA University of Florida (11/03). Invited seminar ('The movement continuum: insights from studies on partial migration in large herbivores'). |

- Cambridge, MA, Harvard University-Microbial Sciences Initiative (05/02). Invited chalk talk ('Linking microbiomes to animal movement and foraging: A case study in roe deer').
- 2015 Petersham, MA, USA, Harvard Forest (08/12). Invited seminar ('...and yet they move: Research frameworks and technological perspectives in movement ecology').
- Amherst, MA, USA, UMass Amherst (13/11). Invited seminar ('The movement continuum: insights from studies on partial migration in large herbivores').
- New Haven, CT, USA, Yale University (25/10). Invited seminar ("I move, therefore I am (Murakami, 2011)': analytical tools to assess and characterize migration, and beyond").
- 2013 Lyon, University of Lyon 1, France (28/11). Invited seminar ("Global change and biodiversity loss as drivers for wildlife disease emergence: study cases in the Italian Alps").
- Tartu, University of Tartu, Estonia (08/04). Invited seminar ("Global change and biodiversity loss as drivers for zoonotic disease emergence: study cases in the Italian Alps").
- 2012 Cambridge (MA), Harvard University, USA, 19/12. Invited seminar ("Wildlife perspectives on Global Change").
- Missoula (MT), University of Montana, USA, 12/12. Invited seminar ("Global change and biodiversity loss as drivers for zoonotic disease emergence: study cases in the Italian Alps").
- 2011 NINA, Trondheim, Norway, 15/12. Invited seminar ("Avoiding data drowning: good practice data management and data sharing can lead to better science").
- University of Lyon 1, Lyon, France, 07/10. Seminar. ("Partial migration in roe deer: migratory and resident tactics are end points of a behavioural gradient determined by ecological factors").
- 2006 Seoul National University, South Korea, 9/02. Invited seminar ("Methods and techniques for wildlife studies").
- 2004 CSL, Woodchester Park, UK, 18/11. Invited seminar ("Estimating animal abundance: multi-scaling and epidemiological relevance").
- 2001 Swiss Federal Research Institute WSL, Birmensdorf-Zurich, CH, 12/12. Invited seminar ("Ranging behaviour of male roe deer during the reproductive season in a rural Mediterranean area").
- Diskussionsrunde Wildtiere, Institute of Veterinary-Virology, University of Bern, CH, 22/11. Invited seminar ("Trophic spectrum of the red fox in a wide agricultural area: which is the role of anthropogenic food?")
- 1999 Institute of Veterinary-Virology, University of Bern, CH, 1/2. Invited seminar ("The study of fox diet: trophic resources as a key-factor to survey wide ecological aspects").
- Institute of Zoology, University of Bern, CH, 20/1. Invited seminar ("Is anthropogenic food a key factor in the red fox use of resources?").
- 1998 Diskussionsrunde Wildtiere, Institute of Veterinary-Virology, University of Bern, CH, 12/11. Invited seminar ("Habitat selection and food habits of red fox in an alpine region").

VISITING FIELD RESEARCH

- 2015 Visiting researcher at the University of Alberta and University of Saskatchewan, CA.

- Research area: setting up a proximity loggers-based system to study social interactions and disease transmission in white-tailed and mule deer.
- 2013 Visiting researcher at University of Brighton, UK.
Research area: setting up a WSN- based system for study behaviour of urban foxes.
- Visiting researcher at University of Tartu, Estonia.
Research area: setting up a WSN- based system for control of zoonotic disease transmission from foxes.
- 2010 Visiting researcher at Junin community reserve, Intag Valley, Ecuador.
Research area: testing a WSN- based system for biodiversity monitoring.
- 1998 Visiting researcher at WWF Monte Arcosu Natural Reserve, Sardinia, Italy.
Research area: food habits and habitat use of the fox in Sardinia.
- 1997 Research assistant at the Natural History Museum of Milan, Italy.
Field collection and classification of invertebrates.
- 1996-1997 Research assistant at University of Pavia, Italy.
Research area: habitat suitability and population dynamics of game species.
- 1996-1997 Field Ecologist at Gran Paradiso National Park, Italy.
Research area: habitat selection and food habits of the red fox.
- 1993-1995 Field Ecologist in Lombardy Alps (Lecco Province). Ungulate population surveys.

CONFERENCES

- II Eurolynx Meeting, Bialowieza, Poland, 28-31/10/2019. One plenary talk and coordination of the workshops.
- III Euroboar Meeting, Hainich National Park, Germany, 23-25/10/2019. One plenary talk and coordination of the workshops.
- Wildlife Research and Conservation 2019, Berlin, Germany, 30/9-2/10/2019. One plenary key-note; one co-authored oral presentation, two co-authored poster presentation.
- 8th European Congress of Mammalogy, Warsaw, Poland, 23-27/9/2019. One plenary key-note.
- 2nd Gordon Research Conference 'Movement Ecology of Animals', Barga, Italy, 3-8/3/2019. One session leader key-note and seven co-authored posters.
- XXVI International Conference on Bear Research and Management (IBA), Lubiana, Slovenia, 16-21/9/2018. Two co-authored posters.
- 9th International Deer Biology Conference, Estes Park, CO, USA, 5-10/8/2018. One plenary key-note and one co-authored oral presentation.
- 11th Italian Congress of Mammalogy, Firenze, Italy, 20-22/6/2018. One co-authored oral presentation.
- Open Science Tools, Data and Technologies for efficient ecological and evolutionary research Symposium, Amsterdam, The Netherlands, 7-8/12/2017. One co-authored oral presentation.
- XXV International Conference on Bear Research and Management (IBA), Quito, Ecuador, 12-17/11/2017. One co-authored presentation.
- Bio-Logging 6, Konstanz, Germany, 25-29/9/2017. One oral presentation, three co-authored posters, one workshop organised.
- IUGB 2017, Montpellier, France, 20-25/8/2017. One co-authored oral presentation.
- Lorentz Center Workshop "Movement: New Sensors, New Data, New Challenges", Leiden, The Netherlands, 21-25/08. One co-authored flash talk presentation.
- INTECOL, Beijing, China, 25-29/08/2017. One oral presentation.
- 102th ESA Annual Meeting, Portland, WA, USA, 7-11/8/2017. One co-authored oral presentation.

- 'Analyzing Movement and Mobility within Geographic Context', Columbus, Ohio, USA, 11-12/5/2017. One co-authored oral presentation.
- 'II International Conference on Temperate and Boreal Forest Conservation', Bavarian Forest National Park, Bavaria, Germany, 26-28/4/2017. One oral communication and one co-authored oral presentation.
- 4th EUSALP Action Group 7 meeting, Garmisch Partenkirchen, Germany, 14-15/2/2017. Participation into debates.
- Workshop 'Making the alpine region a model region for green infrastructure', Padua, Italy, 14/12/2016. Participation into debates.
- 'Measuring and analyzing interactions among mobile entities', UT-Austin, TX, USA, 10-11/11/2016. One invited keynote presentation.
- 'Ungulates in a changing world: consequences for population dynamics, migration and management', Krasny Bor, Belarus, 19-22/9/2016. One invited oral communication and one co-authored oral presentation.
- Canadian Society for Ecology and Evolution, 2016 (CSEE), St. Johns, Newfoundland, Canada, 7/07/2016. One invited oral presentation.
- 2nd Gordon Research Conference on Predator-Prey Interactions, Ventura, CA, USA, 24-29/01/2016. One invited oral presentation.
- ACM2015 SIGSPATIAL, Seattle, USA, 3-5/11/2015. One DEMO presentation. Best paper award runners up.
- Ecology at the Interface (EEF-SitE), Roma, Italy, 21-25/9/2015. One co-authored poster.
- IX Symposium on wild fauna, Kosice, Slovakia, 15-19/9/2015. One co-authored poster.
- ICCB2015, Montpellier, France, 2-6/8/2015. One co-authored oral presentation.
- GEEFSM, Balme and Ala di Stura, Italy, 21-24/5/2015. One co-authored oral presentation.
- ACM2014 SIGSPATIAL, Austin, Texas, 23/9/2014. One co-authored oral presentation.
- Biologging5, Strasbourg, France, 22-27/9/2014. One poster.
- GIScience-AMD'14, Wien, Austria, 23/9/2014. One invited keynote presentation.
- ESA 2014, Sacramento, CA, USA, 11-15/8/2014. One oral communication.
- 9th Italian Congress of Mammalogy, Civitella Alfedena, Italy, 7-10/5/2014. Three co-authored oral presentations.
- COST IC0903 MOVE Final Event, Vienna, Austria, 30-9/1-10/2013. Three DEMO presented.
- IUGB 2013, Brussels, Belgium, 27-29/8/2013. An oral communication presented, one workshop organised.
- INTECOL 2013, London, UK, 19-23/8/2013. Two oral communications presented.
- COST IC0903 MOVE MC/WGs Meeting, Thessaloniki, Greece, 10-11/10/2012. One invited oral communication presented.
- Measuring Behaviour MB2012, Utrecht, the Netherlands, 28-31/8/2012. One invited oral communication presented at the workshop "Tracking Movement using GPS".
- 8th Italian Congress of Mammalogy, Piacenza, Italy, 9-11/5/2012. Scientific committee member. One oral communication.
- 10th European roe deer meeting, Srni, Czech Republic, 7-10/6/2011. One oral communication presented.
- 4th Biologging Conference, Hobart, Tasmania, 14-18/3/2011. One oral communication presented and a workshop organised.
- COST IC0903 MOVE MC/WGs Meeting, Mons, Belgium, 20-21/1/2011. One oral communication presented.
- Symposium 'The Ecology and Evolution of Partial Migration', Lund, Sweden, 31-8/2-9/2010. One oral communication presented.
- Eden International Conference, Montpellier, France, 10-12/5/2010. One oral communication and three co-authored posters.
- 7th Italian Congress of Mammalogy, Fabriano, Italy, 5-7/5/2010. One oral communication presented.
- 2nd GFOSS day Bolzano, Italy, 11-12/11/2009. One oral communication presented.
- 9th European roe deer meeting, Edinburgh, UK, 6-11/7/2009. One oral communication presented.
- 6th Italian Congress of Mammalogy, Cles, Italy, 16-18/4/2008. One oral communication presented.

- 8th European roe deer meeting, Velenje, Slovenia, 25-29/6/2007. One oral communication presented.
- 5th European Conference of Mammalogy, Siena, Italy, 21-26/9/2007. Two co-authored posters presented.
- 8th Roe deer meeting, Velenje, Sk, 25-29/6/2007. One oral presentation.
- 53rd Easter Conference Mammal Society, Cirencester, UK, 13-15/4/2007. One oral presentation.
- 6th International Deer Biology Congress, Prague, CZ, 7-11/8/2006. One oral presentation and one poster.
- 10th Rodens et Spatium (the International Conference of Rodent Biology), Parma, I, 24-28/7/2006. One oral presentation and one poster presented.
- International Symposium on Conservation and Management of Natural resources in DMZ, Korea, Goseong, South Korea, 7-8/2/2006. One keynote oral presentation.
- The ecology of zoonoses, Viote del Monte Bondone, 10-13/7/2006. One oral presentation.
- 5th Italian Congress of Mammalogy, Arezzo, I, 10-12/11/2005. One oral presentation.
- 16th Conference on Bear research and Management, Riva del Garda, I, 27-30/9/2005.
- Stelvio Settanta. Conservation and management of game in protected areas: the case of red deer, Rabbi, I, 8-9/9/2005. One oral presentation.
- 5th International Conference on Ticks and Tick-Borne Pathogens, Neuchatel, CH, 28/8-3/9/2005. One poster.
- VII European Meeting, Jerez de la Frontera, E, 10-12/3/2005. One oral presentation.
- Malattie emergenti da fauna selvatica e da zecche in ambiente forestale: situazione in Trentino, Trento, I, 4/3/2005.
- La conservazione dell'orso bruno: dai progetti LIFE a una strategia comune, Andalo, I, 9-10/12/2004.
- Il telerilevamento come tecnica innovativa per la gestione ambientale, Viote del Monte Bondone, I, 12/10/2004.
- 50th Easter Conference Mammal Society, Leicester, UK, 22-24/4/2004. One oral presentation.
- 4th Italian Congress of Mammalogy, Riccione, I, 6-8/11/2003. One oral presentation.
- 3rd Italian Congress of Mammalogy, Sanremo, I, 20-22/9/2001. One oral presentation and one co-authored presentation.
- XXV Congress of International Union of Game Biologists, Lemesos, CY, 2-7/9/2001. One oral presentation.
- V European roe deer meeting, Tredozio, I, 24-27/4/2001. One poster presented.
- The conservation of bats in Italy. The role of Life Nature projects, Varese, I, 9/6/2000.
- XXIV Congress of International Union of Game Biologists, Thessaloniki, GR, 20-24/9/1999. One oral presentation and one co-authored presentation.
- 2nd Italian Congress of Mammalogy, Varese, I, 28-30/10/1998. One oral presentation and a co-authored poster.
- Annual meeting Schweizerische Gesellschaft für wildbiologie, Sempach, CH, 6-7/6/1998. One co-authored a poster.
- 3rd National Symposium on Carnivores, Perugia, I, 18-19/10/1996.
- 8th Italian Ornithological Congress, Pavia, I, 5-7/9/1995.

OUTREACH

Public lectures and Events

- 2019 Project reporting. Trentino Hunting Association, Albiano, 13/12. ('Managed, and yet wild: advances on the 2C2T roe deer study in Trento and Cembra Hunting District').
- Stakeholders dissemination. "L'impatto delle attività antropiche sulle popolazioni di cervidi e possibilità di mitigazione" ('The anthropic impact on cervid populations and mitigations strategies'). Technical Days of Group for Large Mammals Management and Conservation. Italian Mammal Association-GLAMM, Ferrara, Italy, 28-29/11.

Public talk and Science outreach. "Climate change and biodiversity in the Alps". FEM 145, Porte Aperte, FEM, San Michele, Italy, 10/11.

Public outreach. "Digital and analogical ecological science: a fieldwork experience". Digital Detox, Alla Ribalta, Monte Bondone, 10/11.

2018 Public talk and Science outreach. "Sostenibilità e biodiversità: le risorse e il territorio" ('Sustainability and biodiversity: territories and resources'). In Montagna 4.0 stakeholder event. Bormio, 25-26/5. Invited speaker.

Public talk. "Scienza a ore sei: Tracce, numeri e microchip. Mammiferi, scienza e tecnologia sulle Alpi" ('Science at six: Tracks, numbers and microchip. Mammals, science and technology in the Alps'). Muse, Trento, 28/05. Invited speaker.

Public talk and Science outreach. "A pint of science: Alla scoperta del bosco hi-tech" ('Discovering the high-tech forest'). Circolo Operaio Santa Maria, Rovereto, 18/05. Invited speaker.

Public talk. "I primi veri Alpinisti: I movimenti dei mammiferi sulle Alpi" ('The first mountaineers: mammal movements in the Alps'). Italian Alpine Club CAI-SAT, and San Michele Municipality, San Michele all'Adige, TN, 12/04. Invited Speaker.

Public talk. "Mammiferi e catene trofiche sulle Alpi" ('Mammals and trophic chains in the Alps'). Museo di Scienze Naturali dell'Alto Adige, Bolzano, 07/02. Invited Speaker.

2017 Project reporting. Trentino Hunting Association, Albiano, 08/06. ('Managed, and yet wild: advances on the 2C2T roe deer study in Trento and Cembra Hunting District').

Public talk. "Tutti insieme, più o meno appassionatamente: le relazioni fra diverse specie di Ungulati." ('Altogether, more or less: interactions between different ungulate species'). Expo Riva Caccia, Pesca e Ambiente, Riva del Garda, 25/03. Invited Speaker.

Public talk and debate. "Prede, zanne e carabine. Il lupo e i cacciatori: coabitazione e competizione in natura" ('Preys, fangs and guns. Wolves and hunters: co-existence and competition in nature'). La settimana del lupo, Museo Civico di Rovereto e Riva Caccia Pesca e Ambiente, Rovereto, 24/03. Invited Speaker.

Public talk. "Uomini e (altri) animali: convivere bene per una migliore qualità della vita". ('Humans, and 'other' animals: a better co-existence for an improved quality of life'). Green Week, Festival of Green Economy, MUSE, Trento, 5/03. Invited Speaker. <http://www.greenweekfestival.it/evento/convivere-bene-mondo-animale/>

2016 Public talk and debate. "Large carnivore research in Trentino: connectivity and bears". "Talking about wildlife", MUSE, Trento, 07/12. Invited speaker.

Project reporting. Trentino Hunting Association, Gazzadina, Italy, 14/11 and Albiano, 24/11. ('2C2T: why study roe deer in Trento and Cembra Hunting District?').

Science outreach. Harvard Museum of Natural History, Spring 2016. Science Family Program, Cambridge, MA, USA (02/4). Family Program Event: "High-Tech Zoology: Watching the World with Animals' Eyes". Organizer of the activities and Speaker.

International Panel. Harvard University, Cambridge, MA, USA and Edmund Mach Foundation, Trento, Italy (08/03). International Panel for discussion ('Women for Wildlife and Conservation', in the context of the event 'Gender and Science', Edmund Mach Foundation.

1 conservationist (World Bank), 1 faculty (Harvard University), 1 graduate and 1 undergraduate students (Harvard University). Organizer and conveyor (visible online at <https://live.fmach.it/videos/video/530/>, minute 1h49').

Public interview and International Panel. Harvard University (Harvard College Conservation Society), Cambridge, MA, USA (05/03). 'Jobs in Conservation'. Invited member of the International Panel (online at https://www.youtube.com/watch?v=61MKu6QIZ_Y, minutes 7'52"-16'45").

2015 Project reporting. Wildlife Committee Autonomous Province of Trento, Trento, Italy, 23/4. ('2C2T project results and perspectives').

Project reporting. Adamello Brenta Natural Park & Trentino Hunting Association, Strembo, Italy, 17/4. ('2C2T project results and perspectives').

2014 Science outreach. FEM 140, Porte Aperte, FEM, San Michele, Italy, 20/4.

Public Talk (award). ICT days 2014, UniTn, Povo, Italy, 3/4. Interfacing technologies competitive talks: "Once upon a time a travelling roe deer".

2013 Public talk. TEDx: "The quality of Life", (Teatro Sociale), Trento, 20/11. Invited speaker: "Conoscere per amare, conservare per conserver-ci" ('Knowledge for loving, conservation for preserving (us)'). <https://www.youtube.com/watch?v=OohzmN0HqEE&cc=1>

Project reporting. Adamello Brenta Natural Park & Trentino Hunting Association, Tione, Italy, 07/11 ('2C2T: from research to applications').

Public talk and debate: "Big and yet fragile: large mammal ecology and conservation in the Canadian Rockies" (speaker: M. Hebblewhite). "M'ammalia: the science week of mammals", Science Museum, Bolzano, 04/11. Organizer.

TV programme and documentary. BBC2, Autumnwatch, Urban foxes in Brighton, 30/10.

Popular talk & Science outreach (award). 'OPEN MIC', Fondazione Kessler, Povo, Italy, 28/2.

'OPEN MIC-selection', FEM, S.Michele a/A, Italy, 19/2.

2012 Public talk and debate. "Living with Wolves and bears: challenges and opportunities" (speaker: L. Boitani). "M'ammalia: the science week of mammals", Science museum MUSE, Trento, 04/11. Organiser.

Technology transfer. Meeting FEM-CRI/FBK. FBK, Povo, 30/10

Public talk and Science outreach. Researchers' night 2012, Trento, Italy, 28/9.

Technology transfer. Optoi, Gardolo, Italy, 11/9.

Technology transfer. Confronto Innovazione e Tecnologia Trentino – Chapeco. FEM, S. Michele a/A, 7/8.

Public debate: "From Eurodeer to Trentino. The European roe deer: is it really a resilient species?" (speakers: M. Heurich, P. Sustr, L. Borger, M. Hewison). San Michele all'Adige, 15/02. Organiser.

Technology transfer. M31-Trentorize. FEM, S. Michele a/A, 3/2.

Technology transfer. Trentino Confindustria at FEM. FEM, S. Michele a/A, 24/1.

- Project reporting. Adamello Brenta Natural Park & Trentino Hunting Association, Strembo, Italy, 23/1 & 7/2 ('2C2T: from research to applications').
- 2011 Public talk and Science outreach. Porte Aperte, FEM, San Michele, Italy, 20/11. ('Ecologia hi-tech: caprioli on facebook!').
- Project reporting. Trentino Forestry Service, Malè District, Italy, 18/11 ('2C2T: Roe and Red deer in Trentino and Technology: movement, intra and inter-specific interactions and use of resources').
- Project reporting. Trentino Forestry Service, Tione District, Italy, 14/11 ('2C2T: Roe and Red deer in Trentino and Technology: movement, intra and inter-specific interactions and use of resources').
- Public talk and debate. "Where moose, caribou and wolves roam: Wildlife research in a changing world." (speakers: W. Peters, F. Cagnacci). "M'ammalia: the science week of mammals", MUSE, Trento, 02/11. Organised by ATIt, ANMS, MUSE, FEM. Speaker and organiser.
- 2010 Public talk. 'The study of mammals hi-tech.' in "M'ammalia: the science week of mammals", Trentino Natural Science Museum, Trento, 03/11. Organised by ATIt, ANMS, MUSE, FEM. Speaker and organiser.
- Public talk and Science outreach. Researcher's night 2010, FBK, Povo, Italy, 27/9 ('Hi-tech animal ecology').
- Press conference. Researcher's night 2010, Trento, 16/9 ('Hi-tech animal ecology').
- 2009 Public talk and Science outreach. Researcher's night 2009, FEM, San Michele, Italy, 25/9 ('On animals' tracks).
- 2007 Project reporting. Trentino Natural Sciences Museum, Trento, Italy, 9/5 ("The European roe deer: a moving sedentary"). Invited speaker.
- 2006 Project reporting. Trentino Hunting Association, Civezzano, Italy, 11/03 ('Project BECOCERWI: the roe deer of "Trento" and "Sarca" hunting districts').
- Project reporting. Trentino Hunting Association, Viotte-Trento, Italy, 21/03 ('Project BECOCERWI: the roe deer of "Trento" and "Sarca" hunting districts').
- Public talk. Workshop 'Wildlife & Journalists', Trentino Hunting Association, Viotte-Trento, Italy, 04/05 ('Innovative techniques for wildlife studies: GPS collars').
- 2005 Project reporting. Trentino Hunting Association, Trento, Italy, 28/06 ('Project BECOCERWI: behavioural ecology of roe deer in Trentino').
- 2004 Project reporting. Trentino Hunting Association, Cavedine, Italy, 12/10 ('The study of roe deer in Trentino; epidemiology and management applications').
- Public talk. Estate a Vallarsa, Vallarsa, Italy, 30/7 ('Studying mammals: epidemiological applications'). Invited speaker.
- 2000 Science outreach. GIS day 2000, University of Siena, Italy, 18/11 ('The study of use of habitat by game species by means of a GIS').

Media & Media release

- 2019
- RADIO R1. La vita meravigliosa (The wonderful life). Interview for broadcasting. 22/10
 - A come Alpi, RTTR, Interview 02/10 <https://youtu.be/CqztWsw0YoE>
 - RAI 3 TGR, Interview 19/09 <https://www.rainews.it/tgr/trento/video/2019/09/tnt-lupi-orsi-fondazione-mach-esperti-americani-yellowstone-55c59e8b-7c69-4a13-b795-b0bea91179f4.html>
 - Harvard Magazine ('From one animal to an ecosystem') 01/07 <https://harvardmagazine.com/2019/07/deer-habitats-ecology>
 - Harvard Gazette ('Day of the Golden Jackal', interview to the PhD student Nathan Ranc on the collaborative golden jackal project). 01/04 <https://news.harvard.edu/gazette/story/2019/04/why-jackals-thrive-where-humans-dominate/>
- 2018
- il Settimanale TGR. Interview and in field reporting. 20/11 <https://twitter.com/SettimanaleTgr/status/1061186769784315904>
 - RAI 3 TGR, Interview and in field reporting. 06/10. http://www.rainews.it/tgr/bolzano/video/2018/10/blz-stambecco-stambecchi-capra-ibex-ricerca-Fondazione-Mach-Universita-Padova-9d082171-fafd-4748-bf74-430c53d24e93.html?wt_mc=2.www.wzp.tgrtaabz_ContentItem-9d082171-fafd-4748-bf74-430c53d24e93.&wt
 - RAI 3 TG LEONARDO. Interview and in field reporting. 26/03. https://www.facebook.com/TgrRaiTrentino/videos/1309483265863056/?hc_ref=ARTgbm5kWPcR6S_2glqfYWwCrJgLGep_G8QtMRLrP5FslirtowrWHYQ8B8BInWT6PzA
 - RAI RADIO R1, Greenwich. Interview (on air). http://www.raibz.rai.it/podcast/ita/greenwich/mp3/Greenwich_17-02-2018.mp3. 17/02
 - 'Alto Adige' ('Noi troppo invadenti, gli animali "paralizzati"'). 07/02
 - 'ilTrentino' ('L'intervista'-Francesca Cagnacci). 07/02
 - 'altoadige.gelocal.it' (Così si muovono gli animali selvatici'). 06/02
 - RAI RADIO R1. La vita meravigliosa (The wonderful life). Interview for broadcasting. 04/02
 - RAI RADIO R1. Uomini e cani (People and dogs). Interview for broadcasting. 12/02
- 2017
- RAI RADIO3, La vita meravigliosa (The wonderful life). Interview for broadcasting. 07/03
- 2016
- Sierra Magazine, online and printed version ('High-tech wildlife management). July-August. <http://www.sierraclub.org/sierra/2016-4-july-august/innovate/high-tech-wildlife-management>
 - New York Times, online and printed version ('The unnatural kingdom'). 11/3. <http://www.nytimes.com/2016/03/13/sunday-review/the-unnatural-kingdom.html?smid=pl-share&r=1>
- 2015
- 'National Geographic Italia' website ('Wildscope, dal Trentino un collare di nuova generazione').25/5. http://www.nationalgeographic.it/natura/animali/2015/05/20/foto/wildscope_dal_trentino_un_radiocollare_di_nuova_generazione-2616154/1/
 - 'Ansa' website ('Radiocollari made in Trentino'). 16/5. http://www.ansa.it/trentino/notizie/2015/05/14/nuovi-radiocollari-made-in-trentino_a2595ec8-69f0-4922-9622-e35a7eb0d8b7.html

- ‘il Tempo’ website (‘Un collare italiano per monitorare caprioli e orsi’). 16/5.
<http://www.iltempo.it/hitech-games/2015/05/14/un-collare-italiano-per-monitorare-caprioli-e-orsi-1.1414538?localLinksEnabled=false>
- ‘la Nouvelle République.fr’ website (I ricercatori europei di ‘Eurodeer’ visitano la riserva di Chizè). 18/03.
<http://www.lanouvellerepublique.fr/Deux-Sevres/Actualite/Environnement/n/Contenus/Articles/2015/03/18/Des-chercheurs-europeens-visitent-la-reserve-de-Chize-2261334>
- RAI RADIO3, La vita meravigliosa (The wonderful life). Interview for broadcasting. 17/03
- 2014 -‘Investintrentino’ website (‘FEM-Harvard-joint-project-on-Trentino-wildlife-migration’), 21/08. <http://www.investintrentino.it/News/FEM-Harvard-joint-project-on-Trentino-s-wildlife-migration>.
- ‘La voce della rotoliana’ website (‘da-s-michele-ad-harvard-per-studiare-gli-ungulati’), 18/08. <http://lavocedellarotaliana.it/index.php/le-rubriche/economia-e-territorio/1212-da-s-michele-ad-harvard-per-studiare-gli-ungulati>.
- ‘Big Hunter’ website (‘Studio su migrazione, due nuovi progetti’), 11/08. <http://www.bighunter.it/Natura/ArchivioNews/tabid/220/newsid734/15605/Default.aspx>
- ‘Ansa’ website (‘Fauna selvatica, studio su migrazioni’), 08/08. http://www.ansa.it/trentino/notizie/2014/08/08/fauna-selvatica-studio-su-migrazioni_60b49fd8-7057-4af9-9613-22a3360b40e8.html
- ‘La voce del trentino’ website (‘le-migrazioni-della-fauna-trentina-si-studiano-ad-harvard-e-ghent’), 08/08. <http://lavocedeltrentino.it/index.php/component/content/article/787-anno2013/prima-pagina/news-dal-trentino/15217-le-migrazioni-della-fauna-trentina-si-studiano-ad-harvard-e-ghent>
- RAI3, Geo. Interview in studios for broadcasting. 9/05. <http://www.rai.tv/dl/RaiTV/programmi/media/ContentItem-b8e54a7c-f4d0-43a9-bc47-cc557fad4e8.html>
- ‘il Venerdì’ di Repubblica, p.68-69. (‘Quando le vittime diventano più pericolose dei carnefici’). 31/01.
- 2013 -BBC2, Autumnwatch. Participation in documentary programme. 30/10.
- l’Adige (‘I satelliti della NASA per studiare i caprioli’). 12/08. <http://www.ladige.it/territori/2013/08/12/satelliti-nasa-studiare-caprioli>
- 2012 -l’Adige (‘un premio all’articolo di Cagnacci’). 22/11.
- l’Adige, front page box e p. 26 (‘Si cerca il capriolo ma arriva anche l’orso’). 8/5.
- l’Adige, front page box e p. 46 (‘Parco e cacciatori lavorano insieme’). 24/2. <http://www.ladige.it/territori/2012/02/24/parco-cacciatori-lavorano-insieme>
- RAI3-TGR. Interview (on public event “da Eurodeer al Trentino”). 14/2.
- 2010 -Il Trentino, (‘Studiare i caprioli con il GPS’). 5/7.
- l’Adige, (‘I nostri caprioli sulla rivista di Darwin’). 3/7.
- 2007 -RAI3, Geo&Geo. Interview (on-air) and participation in documentary. 7/4.

Popular writing and documentaries

- Gretter, A.; Cagnacci, F. 2018. Sostenibilità e biodiversità: le risorse e il territorio (Sustainability and biodiversity: the resources and the territory). In: Montagna 4.0 un futuro da costruire insieme (in italian). Una storia da raccontare: Società Economica Valtellinese.
- Ossi F., Ranc N., Mumme S., De Groeve S., Lilli G., Sforza T., Bonanni P., Hansen W., Salvatori M., Almedia M.B., Ferraro E., Luchesa L., Brugnoli A., Cagnacci F. 2018. Il progetto di monitoraggio dei caprioli nel Distretto Cembra/Trento Nord. *Il cacciatore trentino*, 111, 14-18 (in italian).
- Ossi F., Cagnacci F. 2018. I caprioli e la neve che cambia: un caso di studio in Trentino. *Il cacciatore trentino*, 109, 20-29 (in italian).
- Cagnacci F., Ossi F., Ranc N., De Groeve J., Bright-Ross J., Lilli G., Sforza T., Bonanni P., Ferraro E., Luchesa L., Nicoloso S., Moorcroft P. 2017. Dimmi dove foraggi e ti dirò chi sono. *Il cacciatore trentino*, 107, 20-29 (in italian).
- Ossi F., Cagnacci F. Vado o resto? La migrazione parziale del capriolo. *Caccia Alpina* (in italian)
- Cagnacci F., Ossi F., Peters W., Ranc N., Semenzato P., Mancinelli S., Bianchini F., Picardi S., Zini V., Simeone M., Nicoloso S., Rocca M. 2015. Dalle alte quote ai siti di foraggiamento invernale: gli adattamenti del capriolo in ambiente alpino. *Il cacciatore trentino*, 99, 18-28 (in italian).
- Cagnacci F., Rocca M., Nicoloso S., Ossi F., Peters W., Mancinelli S., Valent M., Rizzuto M., Hebblewhite M. 2013. Il progetto 2C2T in Rendena-Giudicarie: il capriolo non finisce mai di stupire. *Il cacciatore trentino*, 93, 4-15. (in italian)
- Cagnacci F., Zibordi F., Mustoni A. 2012. Cervi e capriole nella rete. *Ambiente Trentino*, 15/12/2012 <http://www.ambientetrentino.it/articolo-532-cervi-e-caprioli-nella-rete.html>. (in italian)
- Cagnacci F., Rizzoli A., Chemini C. 2007. Strumenti innovativi per lo studio del capriolo nelle Alpi. Documentario CEA Movietime. (in italian)
- Rizzoli A., Stradiotto A., Cagnacci F., Rosà R., Chemini C. 2007. Biodiversità e salute umana. Documentario CEA Movietime. (in italian)
- Rizzoli A., Cagnacci F., Rosà R. 2006. Malattie trasmesse da zecche: il ruolo del capriolo e del cervo. *Caccia Alpina*. 1:13-17. (in italian)
- Urbano F., Cagnacci F., Furlanello C. 2006. Sviluppo di un ambiente software integrato per la gestione di ungulati: il GIS SIGMA-U. *Mondo GIS*. (in italian)
- Cagnacci, F., Rizzoli A., Urbano F., Rocca M., Luchesa L. 2006. I caprioli con collari satellitari: primo studio sulle alpi. *Caccia Alpina*. (in italian)
- Cagnacci F., Tagliabò A., Nicoloso S., Gugiatti, A. 2006. I caprioli "trentini" con collari satellitari: primi risultati della ricerca nei Distretti Trento e Sarca. *Il cacciatore trentino*, 64: 20-23. (in italian)
- Cagnacci F., Tagliabò A., Carpi G., Rizzoli A. 2005. ACT-CEA, la collaborazione continua. *Il cacciatore trentino*, 60, 34-35(in italian)
- Cagnacci F., Carpi G., Rizzoli A. 2004. Capriolo, zecche e rischi per l'uomo: collaborazione tra l'ACT e il CEA. *Il cacciatore trentino*, 58, 15-16. (in italian)
- Melis C., Cagnacci F., Bargagli L. 2002. Habitat Dossier: Il Tasso. *Habitat. Rivista di Gestione Faunistica*.122:44-52. (in italian)

PUBLICATION LIST - FRANCESCA CAGNACCI

Peer reviewed publications

Legend: [§] Corresponding author; * Awards - see brackets [] for description; *Italic*: advised students' authorship.

Gehr B., Bonnot N., Heurich M., Cagnacci F., Ciuti S., Hewison M., Gaillard J.-M., Ranc N., Premier J., Vogt K., Hofer E., Ruser A., Vimercati E., Keller L. Stay home, stay safe - site familiarity reduces predation risk in a large herbivore in two contrasting study sites. *Journal of Animal Ecology* in final revision.

Bonnot N., Couriot O., Anne B., **Cagnacci F.**, Ciuti S., De Groeve J., Gehr B., Heurich M., Kjellander P., Kroeschel M., Morellet N., Soennischen L., Hewison M. Fear of the dark? Contrasting impacts of humans vs lynx on diel activity of roe deer across Europe. *Journal of Animal Ecology*. DOI: 10.1111/1365-2656.13161

Rizzoli A., Tagliapietra V., **Cagnacci F.**, Marini G., Arnoldi D., Rosso F., Rosà R. Parasites and wildlife in a changing world: the vector-host-pathogen interaction as a learning case. *International Journal for Parasitology: parasites and wildlife*. DOI: 10.1016/j.ijppaw.2019.05.011

De Groeve J., Cagnacci F., Ranc N., Bonnot N.C., Gehr B., Heurich M., Hewison A.J.M., Kroeschel M., Linnell J.D.C., Morellet N., Mysterud A., Sandfort R., Van de Weghe N. In press. Individual Movement - Sequence Analysis Method (IM-SAM): characterizing spatio-temporal patterns of animal habitat use across landscapes. *International Journal of Geographical Information Science*. DOI: 10.1080/13658816.2019.1594822

Hofman M.P.G., Hayward M W., Heim M., Marchand P., Rolandsen C. M., Mattisson J., Urbano F., Heurich M., Mysterud A., Melzheimer J., Morellet N., Voigt U., Allen B.L., Gehr B., Rouco C., Ullmann W., Holand Ø., Jørgensen N.H., Steinheim G., **Cagnacci F.**, Balkenhol N. *et al.* 2019. Right on track? Performance of satellite telemetry in terrestrial wildlife research. *PloS one*. 14(5): e0216223. DOI: 10.1371/journal.pone.0216223.

Picardi S., Basille M., Peters W., Ponciano J.M., Boitani L., **Cagnacci, F.** 2019. Movement responses of roe deer to hunting risk. *Journal of Wildlife Management*. 83(1): 43-51. DOI: 10.1002/jwmg.21576.

Peters, W., Hebblewhite, M., Mysterud, A., Eacker, D., Hewison, M., Focardi, S., Urbano, F., Gehr, B., Heurich, M. Jarnemo, A., Kjellander, P., Kröschel, M., Linnell, J., Morellet, N., Pedrotti, L., Reinecke, H., Sandford, R., Soennichsen, L., Sunde, P., **Cagnacci, F.** 2019. Large herbivore migration plasticity along environmental gradients in Europe: life-history traits modulate forage effects. *Oikos*. 128: 416-429 DOI: 10.1111/oik.05588.

Couriot O., Hewison A.J.M., Said S., **Cagnacci F.**, Chamailé-Jammes S., Linnell J.D.C., Mysterud A., Peters W., Urbano F., Heurich M., Kjellander P., Nicoloso S., Berger A., Sustr P., Kroeschel M., Soennichsen L., Sandfort R., Gehr B., Morellet N. Truly sedentary? The multi-range tactic as a response to resource heterogeneity and unpredictability in a large herbivore. 2018. *Oecologia*. 187: 47-60. DOI: 10.1007/s00442-018-4131-5

Damiani, M.L., Hachem, F., Issa, H., **Ranc, N.**, Moorcroft, P., **Cagnacci, F.** Cluster-based trajectory segmentation with local noise. *Data Mining and Knowledge Discovery*. 2018. 32:1017–1055. DOI: 10.1007/s10618-018-0561-2

Tucker, MA., Böhning-Gaese, K, Fagan, W.F., Fryxell, J.M., Van Moorter, B., Alberts, S.C., Ali, H.A., Allen, A.M., Attias, N., Avgar, T., Bartlam-Brooks, H., Bayarbaatar, B., Belant, J.L., Bertassoni, A., Beyer, D., Bidner, L., van Beest, F.M., Blake, S., Blaum, N., Bracis, C., Brown, D., de Bruyn, P.J.N., **Cagnacci, F.**, Mueller, T. *et al.* 2018. Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. *Science* 359, 466-469. DOI: 10.1126/science.aam9712

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Gurarie, E., **Cagnacci, F.**, **Peters, W.**, Fleming, C., Calabrese, J., Müller, T & Fagan B. 2017 A framework for modelling range shifts and migrations: asking when, whither, whether ... and will it return? *Journal of Animal Ecology* 86(4): 943-959. DOI: 10.1111/1365-2656.12674

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Iova, O., Murphy, A.L., Picco, G.P., Ghio, L., Molteni, D., **Ossi, F.**, **Cagnacci F.** 2017. LoRa from the City to the Mountains: Exploration of Hardware and Environmental Factors. In Proceeding EWSN '17 Proceedings of the 2017 International Conference on Embedded Wireless Systems and Networks, Uppsala, Sweden, February 2017, pp 317-322. ISBN: 978-0-9949886-1-4.

Ossi, F., Gaillard, J.M., Hebblewhite, M., Morellet, N., Ranc, N., Sandfort, R., Kroechel, M., Kjellander, P., Mysterud, A., Linnell, J.D.C., Heurich, M., Soennischen, L., Sustr, P., Berger, A., Rocca, M., Urbano, F., **Cagnacci, F.** 2017. Plastic response by a small cervid to ad-libitum supplemental feeding in winter across a wide environmental gradient. *Ecosphere* 8(1): e01629. DOI: 10.1002/ecs2.1629

Ossi, F., Focardi, S., Picco, G.P., Murphy, A., Molteni, D., Tolhurst, B., Gaillard, J.M., **Cagnacci, F.** 2016. Understanding and geo-referencing animal contacts: proximity sensor networks integrated with GPS-based telemetry. *Journal of Animal Biotelemetry* 4:21. DOI: 10.1186/s40317-016-0111-x

Campbell H.A., Urbano F., Davidson S., Dettki H., **Cagnacci F.** 2016. A plea for standards in reporting data collected by animal-borne electronic devices. *Journal of Animal Biotelemetry* 4:1. DOI: 10.1186/s40317-015-0096-x.

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Damiani, M.L., Issa, H. Heurich M. & **Cagnacci, F.** 2016. Introducing 'presence' and 'stationarity index' to study partial migration patterns: an application of a spatio-temporal clustering technique. *International Journal of Geographical Information Systems*: 30(5): 907-928. DOI: 10.1080/13658816.2015.1070267.

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De Groeve, J., Nico Van de Weghe, N., Ranc, N.G., Neutens, T., Ometto, L., Rota-Stabelli, O. & **Cagnacci F.** 2015. Extracting spatio-temporal patterns in animal trajectories: an ecological application of Sequence Analysis Methods (SAM). *Methods in Ecology and Evolution*. 7(3): 369-379. DOI: 10.1111/2041-210X.12453.

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*Frair J.L., Fieberg J., Hebblewhite M., **Cagnacci F.**, DeCesare N.J., Pedrotti L. 2010 Resolving issues of imprecise and habitat biased locations in ecological analyses using GPS telemetry data. *Philosophical Transactions of the Royal Society, B*. 365: 2187-2200. DOI: 10.1098/rstb.2010.0084 [**TOP 10 most cited articles 2010-PTRSB**].

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Urbano F., **Cagnacci F.** (eds.) 2014. *Spatial Database for GPS Wildlife Tracking Data. A Practical Guide to Creating a Data Management System with PostgreSQL/PostGIS and R*. Springer International Publishing. 257 pp. DOI 10.1007/978-3-319-03743-1

Cagnacci F., Basille M., Berger A., Davidson S. C., Dettki H., van Moorter B., Urbano F. 2014. Introduction. The Long and Winding Road to Movement Ecology: Let's put Things in Order, First. In: *Spatial Database for GPS Wildlife Tracking Data* (Urbano F., Cagnacci F., eds), p. XVII-XXIII. Springer International Publishing.

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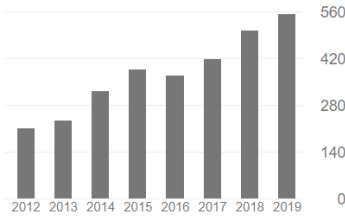
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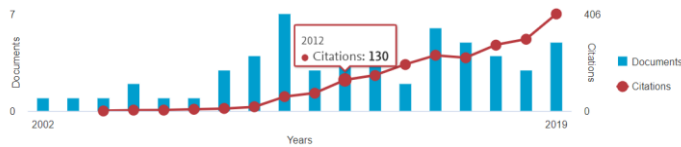
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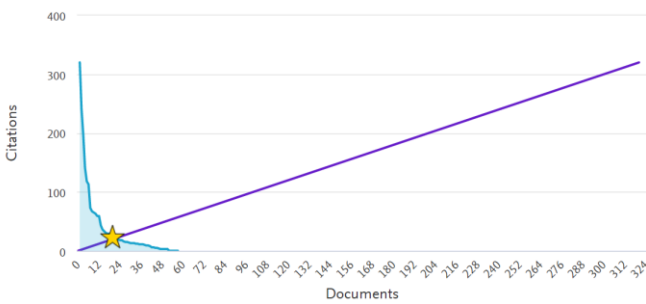
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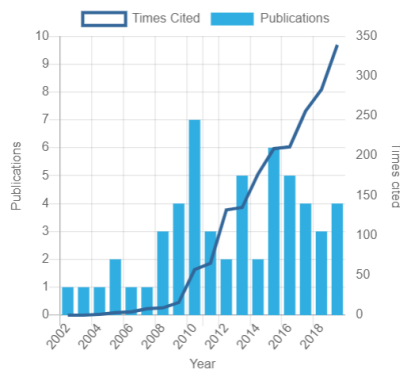


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52	1.905	20 [®]	36.6	119.1

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LIST OF GRANTS AND AWARDS - FRANCESCA CAGNACCI**Grants acquired since employed at FEM (2009) – external funds only**

Grant type and [Acronym]	Call type	Title	Funding Agency/Contract or	Funding period	Total Budget	Budget Assigned to FC or (FC team)	Role & responsibility
Co-funded PhD studentship FEM [SMOC]	Contract agreement, International	Small mammals Monitoring in a Changing world: from community analysis to zoonosis prevalence and space use assessment	INN University	2019- 2022	100.000 EUR <i>ca</i>	(62.500 EUR <i>ca</i>)	PI, Joint PhD supervisor
Scientific Research Network [WOG]	Project, International	Next generation animal tracking – deciphering the ecological code	Research Foundation- Flanders (FWO)	2019- 2022	100.000 EUR <i>ca</i>	tbd (travel grants)	FEM PI (co-PI)
Doctoral Training Partnership in Environmental Research- PhD fellow supervision	Contract agreement, International	Assessing multi- species ecological connectivity for wildlife in the Alps	Oxford University	2018- 2022	-	In-kind (PhD co- supervision)	PI, Joint PhD supervisor
Sub-contracting on Interreg 'Terra Raetica' [Ibex]	Contract agreement, National	Sustainable management of Alpine ibex populations in Retic Alps	Curon Venosta Municipality, Stelvio National Park	2018- 2020	5.000 EUR	5.000 EUR	PI
Collaborative research project [UoA]	Contract agreement International	Quantitative analysis of Movement ecology data	University of Amsterdam	2018- 2019	15.000 EUR	15.000 EUR	PI

Grants & Awards

Cagnacci F.

Co-funded PhD studentship FEM [ABC AlpBearConnect]	Contract agreement, National	Ecological connectivity in the Alpine anthropic matrix: natural reserves and corridors for the conservation of brown bear in the Alps	Stelvio National Park, University of Trento	2017- 2020	75.000 EUR	18.750 EUR+ (37.500 EUR)	PI, Joint PhD supervisor
Co-funded PhD studentship FEM [MILHE]	Contract agreement, International	Migration of a large herbivore in ecosystems under anthropogenic and natural change: the Greater Yellowstone and Central European cases.	University of California-Berkley	2017- 2020	65.000 EUR	32.500 EUR	PI, Joint PhD Supervisor
Sarah and Daniel Hrdy Fellowship	Fellowship & Project, International	Conservation on a Rapidly-Changing Planet: Ecologically- Informed Approaches to Predicting the Impacts of Global Environmental Change on the Spatial Distributions of Large Terrestrial Mammals	Harvard University, OEB Dept.	2015- 2016	93.500 USD= 85000 EUR <i>ca</i>	93.500 USD= 85000 EUR <i>ca</i>	PI, Recipient
Integrative Institutional Funds [BEARFENCE]	Project, National	Integrated technological system for	PAT (Autonomous Province of Trento)	2016- 2017	90.000 EUR	90.000 EUR	PI, Scientific Coordinator

		detering problematic bears					
Co-funded PhD studentship FEM [Ghent]	Project, International	A wildlife journey in space and time: methodological advancements in the assessment and analysis of spatiotemporal patterns of animal movement in changing European landscapes	University of Ghent	2014- 2017	60.000 EUR	(30.000 EUR)	PI, Joint PhD Supervisor
Co-funded PhD studentship FEM [FOR-WILD]	Project, International	Forecasting the effects of global change on ungulate spatial distributions	Harvard University	2013- 2020	210.000 EUR	(110.000 EUR)	PI, Joint PhD Supervisor
Research school [IRSAE]	Project, International	International Research School in Applied Ecology	Norwegian Research Council	2013- 2020	1.248.000 EUR (direct expenses)	133.000 EUR (to 2019)	FEM PI (co-PI), Partner coordinator, Theme leader
Current Research-Veterinary National Institute (Ist. Zooprofilattico Sperimentale) [MAZE.roe]	Project, National	Metagenomic assessment of ecological and zoonotic profiles of expanding roe deer populations	Italian Ministry for Health	2013- 2016	72.000 EUR	30.000 EUR	FEM PI (co-PI)
Biologging provider [FOXBBC]	Contract, International	Urban foxes behaviour assessment through GPS and contact detection collars	University of Brighton	2013- 2016	12.000 EUR	12.000 EUR	PI

Grants & Awards

Cagnacci F.

Bottom-up collaborative project [EURODEER (EUROMAMMALS)]	Contract, International	European Mammals Collaborative project	Various Research and Professional Institutions (public and private) & Vectronic Aerospace GmbH (sponsorship)	2012-2020	180.000 EUR	180.000 EUR (to 2019)	PI, Scientific coordinator
Integrative Institutional Funds [BEARNET]	Project, National	Humane management of brown bear in Alpine areas	PAT (Autonomous Province of Trento)	2012-2014	25.000 EUR	25.000 EUR	PI
Biologging provider [FOX EAST]	Contract, International	Urban foxes behaviour assessment in Estonia	University of Tartu	2012-2014	10.000 EUR	10.000 EUR	PI
PhD Studentship [MODAlp]	Project, National	Ecological determinants of roe deer spatial behaviour and movement in the Alps	EU Social Funds (FSE) & Aosta Valley Autonomous region	2011-2014	45.000 EUR	(45.000 EUR)	PI, Tutor at the Hosting Institution, Joint Supervisor

Institutional Grants from 2009 & Grants before 2009

Grant type and [Acronym]	Call type	Title	Funding Agency/Contract or	Funding period	Total Budget	Budget Assigned to FC or (FC team)	Role & responsibility
Institutional Funds for current research and equipment [2C2T]	Project, National	Roe and red deer in Trentino and Technology	FEM	2011-2022	245.000 EUR	245.000 EUR	PI

Grants & Awards							Cagnacci F.
Institutional Funds for PhD Grants [Partial Migration Deer]	Project, International	Partial Migration in ungulates to assess ecosystem response to global change	FEM, University of Montana	2011-2015	100.000 EUR <i>ca</i>	100.000 EUR <i>ca</i>	PI, Joint PhD supervisor
Postdoc fellowship	Fellowship, International	Modifying behaviour of free-living badgers using conditioned taste aversion	Central Science Laboratory (CSL: DEFRA, UK)	2003-2004	28.000 GBP	28.000 GBP	Recipient
PhD studentship	Fellowship, National		Italian Ministry for Education and Research	1999-2002	36.000 EUR	36.000 EUR	Recipient
Postgraduate fellowship	Fellowship, National	Behavioural and ecological determinants affecting the habitat use of roe deer in rural ecosystems	University of Siena	1998-1999	10.000 EUR	10.000 EUR	Recipient
Postgraduate fellowship	Fellowship, International	Predictive models of red fox populations as of environmental determinants: the Swiss case, epidemiological applications.	Italian Ministry for Foreign Affairs	1998-1999	8.000 EUR	8.000 EUR	Recipient

Note: Travel grants are not listed.

Paper/presentation awards

Editors of the Springer publisher nomination among the papers that could help to change the world. [Apollonio M., Belkin V.V., Borkowski J., Borodin O.I., Borowik T., **Cagnacci F.**, Danilkin A.A., Danilov P.I., Faybich A., Ferretti F., Gaillard J.-M., Hayward M., Heshtaut P., Heurich M., Hurynovich A., Kashtalyan A., Kerley G.H.I., Kjellander P., Kowalczyk R., Kozorez A., Matveytchuk S., Milner J.M., Mysterud A., Ozoliņš J., Panchenko D.V., Peters W., Podgórski T., Pokorný B., Rolandsen C.M., Ruusila V., Sipko T.S., Schmidt K., Veeroja R., Velihurau P., Yanuta G. 2017. Challenges and science-based implications for modern management and conservation of European ungulate populations. *Mammal Research* 62 (3): 209-217. DOI: 10.1007/s13364-017-0321-5]

Best DEMO paper award Runners up. ACM SIGSPATIAL 2015, 2-6 November 2015, Seattle, WA, USA. [Damiani, M.L., Issa, H., Fotino, G., Hachem, F., Ranc, N., Cagnacci F. 2015. MigrO: a plug-in for the analysis of individual mobility behavior based on the stay region model]

Best Paper Award IPSN 2015. 14th ACM/IEEE Int. Conf. on Information Processing in Sensor Networks (IPSN), 12-16 April 2015. [Picco, G.P., Molteni D., Murphy, A.L., Ossi, F., Cagnacci F., Corrà M., Nicoloso S. 2015. Geo-referenced Proximity Detection of Wildlife with WildScope: Design and Characterization].

The Wildlife Society: Wildlife Publications Award 2012- Outstanding Article. [Kie J.G., Matthiopoulos J., Fieberg J., Powell R.A., Cagnacci F., Mitchell M.S., Gaillard J.-M., Moorcroft P.R. 2010. The home-range concept: are traditional estimators still relevant with modern telemetry technology? *Philosophical Transactions of the Royal Society, B*. 365: 2221-2232].

TOP 10 most downloaded articles 2010. Philosophical Transaction of the Royal Society, B. [Urbano F., Cagnacci F., Calenge C., Cameron A., Neteler M. 2010 Wildlife tracking data management: a new vision. *Philosophical Transactions of the Royal Society, B*. 365: 2177-2186].

TOP 10 most cited articles 2010. Philosophical Transaction of the Royal Society, B. [Frair J.L., Fieberg J., Hebblewhite M., Cagnacci F., DeCesare N.J., Pedrotti L. 2010 Resolving issues of imprecise and habitat biased locations in ecological analyses using GPS telemetry data. *Philosophical Transactions of the Royal Society, B*. 365: 2187-2200].

Cagnacci F.*, Boitani L., Powell R.A., Boyce M.S. (eds., * corresponding editor) 2010 Challenges and opportunities of using GPS location data in animal ecology. *Philosophical Transactions of the Royal Society, B*. 365 (159pp.). This Theme issue featured **two TOP 10 most cited articles and one TOP 10 most downloaded article for 2010 of the PTRSB journal. Moreover, two articles were recipient of the Wildlife Publications Award - Outstanding Article, the Wildlife Society, for two consecutive years (2012, 2013).**

Wilson K., Boots M. (eds.) 2010. Wildlife diseases ecology. Journal of Animal Ecology. Virtual issue November 2010. This JAnE Virtual issue included: [Perkins S.E., Cagnacci F., Stradiotto A., Arnoldi D., Hudson, P.J. 2009. A comparison of social networks derived from ecological data: implications for inferring disease dynamics. *Journal of Animal Ecology*. 78: 1015-1022].