



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Luigi Boitani**

Address(es) D

Telephone(s)

E-mail

Nationality

Date of birth

Gender

Occupational field

Animal ecologist and conservation biologist with 50 years' experience in large carnivore biology and conservation in Europe, protected areas planning and management in Italy and Africa

Work experience

Dates 2016 - current

Occupation or position held Professor Honorary (Emeritus) of Animal Ecology and Conservation Biology and Senior Fellow of the Scuola Superiore Studi Avanzati of the University of Rome

Main activities and responsibilities Research and teaching

Name and address of employer Department of Biology and Biotechnologies, University of Rome Sapienza

Type of business or sector academic

Dates 2001- 2016

Occupation or position held Full Professor of Vertebrate Zoology and Animal Ecology and Head of the Department (2001-2011)

Main activities and responsibilities Research and teaching

Name and address of employer University of Rome at the Department of Animal and Human Biology

Type of business or sector academic

Dates 2000-2011

Occupation or position held Affiliated Professor

Main activities and responsibilities member of the College of Graduate Studies

Name and address of employer Department of Natural Resources, Idaho University, Moscow and

Type of business or sector academic

Dates 1987-2001

Occupation or position held Associate Professor of Vertebrate Zoology and Animal Ecology

Main activities and responsibilities Research and teaching

Name and address of employer University of Rome at the Department of Animal and Human Biology

Type of business or sector academic

Dates 1981-1987

Occupation or position held Full Researcher – Faculty of Mathematics, Physics and Natural Sciences

Main activities and responsibilities research

Name and address of employer University of Rome at the Institute of Zoology

Type of business or sector academic

Dates 1975-1981

Occupation or position held
Main activities and responsibilities
Name and address of employer
Type of business or sector

Research Contract – Faculty of Mathematics, Physics and Natural Science
research
University of Rome at the Institute of Zoology
academic

Dates
Occupation or position held
Main activities and responsibilities
Name and address of employer
Type of business or sector

1972-1975
Assistant
research and teaching
University of L'Aquila at the Institute of Zoology
academic

Education and training

Dates
Title of qualification awarded
Principal subjects covered
Name and type of organisation providing education and training
Dates
Title of qualification awarded
Principal subjects covered
Name and type of organisation providing education and training

1964-1970
Doctor in Biological Sciences
Zoology, ecology. Thesis title: “Competition and ecological niches in a community of Odonata”
University of Rome La Sapienza
1971-72
Advanced training
Specialization in Animal Ecology, wildlife management, pattern-making and simulation of the ecological systems, field investigation techniques in animal ecology.
Yale University, USA

Personal skills and competences

Mother tongue(s)

Italian

Other language(s)

Self-assessment
European level ()*

English
Spanish
French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
	C2		C2		C2		C2		C1
	C1		C1		B1		B1		A1
	C1		C1		B1		B1		A1

(*) [Common European Framework of Reference for Languages](#)

Organisational and technical skills
and competences

I am a university professor with strong links with the professional world of companies and NGOs working in conservation and management of natural resources. I have good skills in chairing conservation groups (IUCN/SSC Steering Committee, Red List Committee, Large Carnivore Initiative for Europe).
My research interests are: Social ecology of mammals, particularly carnivores. Species ranges, corridors and gap analysis. Protected areas planning and management; biodiversity surveys and the sustainable use of natural resources; endangered species and threat assessment.
My primary research areas are: Ongoing study of (1) wolf and bear ecology, 1973 to present, (2) mammal distribution modeling in Italy, Africa and South East Asia, 1990 to present, (3) protected areas design and management, and systematic conservation planning in Italy, Africa (the most recent in Libya) and South East Asia, 1980 to present.
I have special competence in designing and managing conservation projects (also as CEO of Fondation Segré)
In the last 30 years I have managed:
a) at least 25 conservation-oriented research projects on the social ecology, population dynamics, movement patterns, habitat selection of lynx, red fox, stone and pine martens, polecat, wild boar,

	<p>ibex, giant eland, Mediterranean monk seal, feral and stray dogs, hare, hedgehog, river otter, brown bear, elephant seal, bats, 1976 to present.</p> <p>b) about 30 projects on wildlife management plans, action plans, reserve and ecological network design (with special emphasis on endangered species) at continental, national and regional scale, mostly based on GIS species-habitat models, systematic conservation planning, 1983 to present</p>
Teaching and Tutoring	<p>Since 1987, I have taught courses on Vertebrate Zoology, Animal Ecology, Wildlife Biology, Conservation Biology. I have taught classes to special courses for foresters, park wardens, park rangers, wildlife rangers in Italy and Africa. I have given invited lectures and seminars in conservation and animal ecology at several universities and international congresses in USA, Canada, Mexico, France, UK, Ireland, Spain, Portugal, Croatia, Switzerland, Sweden, Germany, former USSR, India, Israel, Turkey and Australia.</p> <p>I served regularly as external examiner for M.Sc. and PhD theses in Italy and at French, Spanish, Portuguese, UK, USA, Belgian and Swiss Universities.</p>
Mentoring and Supervision	<p>100% completion rate for 40 supervised PhD, about 300 MSc and 70 undergraduate students.</p> <ul style="list-style-type: none"> Supervised 23 postdoctoral fellows
Additional information	<p>Main professional appointments:</p> <ul style="list-style-type: none"> Founder and President of the Institute of Applied Ecology, Rome, since 1987 Chair of the Large Carnivore Initiative for Europe, an IUCN/SSC Specialist Group (since 2001) President of the Society for Conservation Biology and member of the Board (2003-2013) Member of the Steering Committee of the Species Survival Commission (SSC) of IUCN-World Conservation Union (Gland, Switzerland): (since 1994) Chair of the IUCN Red List Committee (since 2019) Founder and Council member of the International Society for Anthrozoology, Cambridge, April 1991. Italian Scientific Committee for the implementation of CITES in Italy, 1980 -1993, and 1995 -1999. Chief Executive Officer and Member of the Board of the Fondation Segrè, Geneva (Switzerland) Member Academia Europea <p>Main research projects:</p> <p>From 1973-present (without interruptions) Location: Italy Funding: National Parks, WWF, Ministry of Environment, Wildlife Conservation Society, Regione Piemonte, Regione Abruzzo,.. Position: Team Leader, Principal Investigator Description: I have been in charge of an extended series of research and conservation projects on the wolf (<i>Canis lupus</i>) and bear (<i>Ursus arctos</i>) population in Italy: responsibilities included managing both the research on the ecology and behaviour of wolves and the conservation program through the field work of students, researchers, helpers, and the participation of colleagues from many countries.</p> <p>From 1994-2003 Location: Valdes (Argentina) and Falklands Island Position: Team Co-Leader Description: Collaboration to a long term research project on the reproduction biology of the elephant seal (<i>Mirounga leonina</i>) in Argentina and Falklands Island. Supervision of the program and students' work, participation in data analyses and publications.</p> <p>From 2002 - 2006 Location: South-East Asia Funding: European Union Position: Team leader Description: EU-funded project on a databank on all mammals of Southeast Asia: GIS-based distribution models, analyses of distribution patterns and conservation threats.</p> <p>From 2001-2003 Location: all Africa Funding: IEA, Conservation International, IUCN/SSC, University of Cambridge, Zoological Museum of Copenhagen and Birdlife Position: Co-author</p>

Description: Collaboration to an international project to model distribution ranges of all mammal, bird, snake and amphibian species of Africa: Habitat-species relations, G.I.S. models, GAP analysis.

From 2000-2002

Location: Italy

Funding: Ministry of Environment

Position: Team leader

Description: Research program for the study of the optimal ecological network for the Italian Vertebrates: coordination of a large group of experts, conceptual model and methods for data analysis (G.I.S.).

From 1995-2001

Funding: Survival Species Commission (IUCN)

Position: Team Leader

Description: Project to develop the new Data Bank as part of the Biodiversity Conservation Information System: databank design and implementation.

From 1997-2000

Location: Saudi Arabia

Funding: King Khalid Wildlife Center and Institute of Zoology of London

Position: Co-author

Description: Survey of the status of the wolf and other canids in Saudi Arabia.

From 1985-2005

Location: Val d'Aosta, Tuscany, Abruzzo, Latium, Sardinia, Campania, Puglia (Italy)

Funding: Istituto Ecologia Applicata, Hunters' Federation, Regional and national parks.

Position: Principal investigator

Description: Several projects on the ecology and behaviour of polecat (*Mustela putorius*), pine marten (*Martes martes*), stone marten (*Martes foina*), hedgehog (*Erinaceus europaeus*) hare (*Lepus europaeus*), monk seal (*Monachus monachus*), wild boar (*Sus scrofa*), ibex (*Capra ibex*), lynx (*Lynx lynx*).

From 1997-1999

Location: Europe

Funding: WWF International

Position: Team Leader

Description: A study of potential areas for large carnivores in the Alps and in the rest of Europe. Habitat analysis and G.I.S. modeling.

From 1996-1999

Location: Switzerland

Funding: KORA-Swiss Federal Government

Position: Team Leader

Description: Project for the study of potential wolf areas in Switzerland. Multivariate G.I.S. analyses.

From 1997-1998

Location: Europe

Funding: WWF International

Position: Team Leader

Description: Reform of Livestock subsidy systems in Europe for the benefit of Large Carnivores Conservation. Review of subsidy systems, drafting a proposal for a new system.

From 1995-1997

Location: Morocco, Cameroon, Uganda and Botswana

Funding: European Union, DG VIII-Ecology Fund

Position: Team Leader

Description: Project on a Data Bank on all medium and large mammals of Africa (300 species) for the analysis of their distribution range, fragmentation and viability assessment.

From 1981-1988

Location: Apennine

Funding: Ministry of Agriculture; WWF-Italy; National Institute Biologia Selvaggina

Position: Coordinator and principal researcher

Description: Ecology of stray and feral dogs in Apennine habitats

Countries of work experience:

- Uganda (rehabilitation of Uganda National Parks and Institute of Applied Ecology);
- Sudan (Master Plan for the Southern National Park);
- Botswana (ecological monitoring);
- Ethiopia (Omo-Mago and Nechisar National Parks);
- Somalia (Master Plan of the Bush-bush National Park);
- Gabon, Cameroon, Equatorial Guinea, Congo, Sao Tome, Zaire (Conservation of Tropical Forest Ecosystems);
- Zaire (rehabilitation of Virunga National Park);
- Grenada, Guinea Bissau, Guyana (planning of protected areas);
- Philippine (protected areas management);
- Equatorial Guinea (forest management plan);
- Guinea (Conakry) and Senegal (research program to support the National Parks of Badiar and Mafou);
- Central and South America (Critical Natural Habitats identification for the World Bank)
- Libya (Master Plan of the Kouf National Park and Akakus Park project)
- Nigeria (impact assessment of oil extraction)
- Saudi Arabia (survey of the wolf and other wild canids)
- Croatia (master plans of 5 national parks)
- Morocco (environmental assessment)
- Bulgaria (assistance to the national survey of biodiversity in the Natura2000 network)

Main consultancies and assignments:

- Author or co-author of the Master Plan of 5 Italian National Parks and several Regional Parks and Nature Reserves, 1980 to present.
- From 1982 to present I have been consultant on biodiversity and carnivore management issues to the Italian Ministry of Agriculture and the Ministry of Environment; the French Ministry of Environment; the Swiss Federal Office of Nature Conservation; OCSE (Paris); the European Commission; WWF International; Council of Europe; Bern Convention; Province of Trento (2023)
- Author of "Guidelines for National Environmental Reports in Developing Countries" for UNEP, Tecneco (Roma), 1976.
- Author of "Guidelines for Conservation in the Mediterranean" for IUCN and UNEP Programme for the Mediterranean Basin, 1978-79;
- Author of "Handbook of Environmental Impact Assessment for aid programmes", Italian Ministry of Foreign Affairs, International Aid Office, Rome, 1990-1991
- Scientific supervisor and author of the Master Plan of the Rome Zoo, Municipality of Rome, 1984 and Gillman Foundation 1996-99. (acting Director of the Zoo 1997-98)
- Environmental Impact Assessment of various motorways, railways and bridges; consultancies to several engineering companies (SPEA, SAT, Bonifica, Agriconsulting, ENEL, etc.), 1986-2004
- Director of the Advanced Workshops of the International Erice School, Sicily: (1) "Conservation of the Protected Areas of the Mediterranean" (with M. Lambertini), 1997; (2) "Research Techniques in animal ecology" (with T.K. Fuller), 1998; (3) "An Integrated Economic and Naturalistic Approach to Biodiversity" (with J.McNeely – I.Musu - C.Perrings), 1999
- Working group on global vertebrate distributions, NCEAS (National Center Ecological Analysis and Synthesis), Santa Barbara, 16-20 July 2001, 4-7 Feb 2002, 20-25 Feb 2003.
- Scientific supervisor to 4 international exhibits on wolf ecology and conservation: Roma 1996, Bex (Switzerland) 1998, Torino 1999, Picciano (Pescara) 2000.
- External reviewer of the "National Tiger Habitat and Population Evaluation System", Government of India, 2006.
- Co-author of the Guidelines for Population level action plans for large carnivores in Europe, European Commission, 2006-07
- Principal author of the Action Plan for the establishment of the Akakus/Messak National Park in Libya, 2008-2011
- Supervisor of the animal biodiversity surveys in the Natura 2000 network of the Region Emilia Romagna (Regione Emilia Romagna, 2009-2013)
- Author and scientific supervisor of the Museo della Biodiversità, Provincia di Siena 2011-2013
- Coordinator of the IUCN/SSC Global Mammal Assessment and Red List Partner, 2010 – present
- Scientific supervisor for the biodiversity surveys of Natura 2000 sites in Bulgaria 2010-2013
- Principal author of the National Wolf Action Plan for the Ministry of Environment, Italy, 2015
- Scientific advisor to Provincia di Trento on Bear Management, 2023

Publications:

8 technical books, more than 400 scientific papers, 85 technical reports and 300 congress abstracts. countless popular articles (and 10 books) on wildlife, natural history and conservation.

Scholarships and awards:

Fullbright Fellowship (USA/Italia), 1971.

Yale University Graduate School fellowship, 1971.

World Wildlife Fund International Award for conservation, 1982.

Special Jury Award of Premio Glaxo for popular writing on science, 1984.

Premio Gambrinus for the book "Le tracce raccontano" (What animal tracks tell) 1989.

Scientific Fellow of the Zoological Society of London, 1997-2000.

Wildlife Publications Award for Outstanding Edited Book Category, The Wildlife Society (for the book *WOLVES: behaviour, ecology and conservation*), 2004.

Species Survival Commission -Citation of Excellence for conservation 2008

IUCN, Peter Scott Medal for Conservation Merit 2012

Annexes

List of publications and extended CV available on request (Google Scholar profile:
<https://scholar.google.com/citations?hl=it&user=UZUJ4SsAAAAJ>)