

## LUIGI BOITANI

Born: April 2, 1946, Rome, Italy

Nationality: Italian

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### OCCUPATION:

Professor of Conservation Biology and Animal Ecology at Università di Roma "La Sapienza", 2000 to present

Head of the Department of Animal and Human Biology, 2000 to present

Founder and Director of the Master program "Conservation of animal biodiversity" at the University of Rome, 2002 to present

Affiliated Professor at the Department of Natural Resources, Idaho University, Moscow and member of the College of Graduate Studies (2000 to present)

### PREVIOUS POSITIONS:

Associate Professor of Vertebrate Zoology and Animal Ecology at the Department of Animal and Human Biology, Università di Roma 1987-2000.

Full Researcher (permanent position) at the Institute of Zoology, Università di Roma, 1981-87

Research Contract, Institute of Zoology, Università di Roma, 1975-81

Assistant researcher, Institute of Zoology, Università di L'Aquila, Abruzzi, Italy, 1972-75

### EDUCATION and QUALIFICATION:

Doctoral Degree, Biology, University of Rome, 1970, Roma, Italy

Full academic year at School of Forestry and Environmental Studies, Yale University, 1971-2, New Haven, CN

Languages: Italian (mother tongue), English (read and spoken fluently, written), French (read fluently and spoken), Spanish (read fluently and spoken)

### RESEARCH INTERESTS:

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.

### PRIMARY RESEARCH:

Ongoing study of (1) wolf ecology in Italy, 1973 to present, (2) mammal distribution modeling in Italy, Africa and South East Asia, 1990 to present, (3) protected areas design and management in Italy and Africa, 1980 to present.

At least 25 conservation-oriented research projects on the social ecology, population dynamics, movement patterns, habitat selection and sexual selection of lynx, red fox, stone and pine martens,

polecat, wild boar, ibex, Mediterranean monk seal, feral and stray dogs, hare, hedgehog, river otter, brown bear, elephant seal, bats, 1976 to present.

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, 1983 to present

Member of an international consortium (IUCN/SSC, CI/CABS, University of Virginia, etc.) for the Global Mammal Assessment, 2003 to present.

#### TEACHING

Since 1987 I have taught courses on Vertebrate Zoology, Animal Ecology, Wildlife Biology, Conservation Biology, and tutored more than 170 students of Master of Science and Italian equivalents, and 23 PhD students. I served regularly as external examiner for M.Sc. and Ph.D theses in Italy and at French, Spanish and Swiss Universities.

I have given lectures and seminars in conservation and animal ecology at several universities in Italy, USA, Canada, Mexico, France, UK, Ireland, Spain, Switzerland, Germany.

I have taught classes to special courses for foresters, park wardens, park rangers, wildlife rangers in Italy and Africa.

#### CONSULTANCIES AND ASSIGNMENTS (full list available)

Since 1978, scientific consultant to the tendering and implementation of several international projects in conservation and management of natural resources and protected areas. Among the many international programmes and areas, the most important (supervisor and/or chief scientific consultant) were in:

Uganda (rehabilitation of Uganda National Parks and Institute of 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);

Guinee (Conakry) and Senegal (research programme 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)

Nigeria (impact assessment of oil extraction)

Saudi Arabia (survey of the wolf and other wild canids)

Author or coauthor 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 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;

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.

Environmental Impact Assessment of various motorways, railways and bridges; consultancies to several engineering companies (SPEA, SAT, Bonifica, Agriconsulting, ENEL), 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.

#### BOOKS:

Mech L.D. and L. Boitani. 2003. Wolves: Behavior, Ecology and Conservation. University of Chicago Press., Chicago pp. 448.

Boitani, L., S. Lovari e A. Vigna Taglianti. 2003. Fauna d'Italia: Carnivora e Artiodactila (Fauna d'Italia). Calderini Editrice, Bologna.

Boitani, L. and T. K. Fuller. 2000. Research techniques in animal ecology: controversies and consequences. University of Columbia Press, New York. pp. 442

Boitani, L., F. Corsi, G. Reggiani, J. Sinibaldi, P. Trapanese. 1999. A databank for the conservation and management of the African Mammals. Istituto di Ecologia Applicata, Roma. pp. 1150 (ISBN 88-87736-00-6).

Boitani L., G. Carbone, M. Bourdin. 1997. ABCdaire Chien. Flammarion, Paris.

Boitani L., 1988. Le tracce raccontano. Giorgio Mondadori, Milano pp. 260

Boitani L., S. Bartoli, L. Beani, 1987. Antartide e Patagonia. Ed. V. De Lorentiis, Verona. pp. 120

Boitani L., R. Vinditti, 1987. La volpe rossa. Edagricole Calderini, Bologna. pp. 241

Boitani L., 1986. Dalla parte del lupo. Giorgio Mondadori, Milano pp. 270

Boitani L., S. Bartoli, 1983. Mammals. Published in Italian by Mondadori, Verona; in English by Simon and Schuster, New York; in French by Nathan, Paris.

**OTHER PUBLICATIONS (separate list available):**

Approximately 160 scientific papers, 70 technical reports and countless popular articles on wildlife, natural history and conservation. 160 abstracts are evidence of participation to congresses.

**PROFESSIONAL AND HONORARY SOCIETIES:**

Ecological Society of America (life member)

The Wildlife Society

Society for Conservation Biology (Member of the Board of Governors and President of the European Section)

East African Wildlife Society

American Society of Mammalogy

Unione Zoologica Italiana

Associazione "A. Ghigi" per la Biologia dei Vertebrati (past-secretary)

Associazione Teriologica Italiana

**BOARD MEMBERSHIPS:**

Member of more than 25 professional organizations, working groups, Boards of Governors. (Complete list available on request). Here is a brief list of some of the international:

Founder and President of the Institute of Applied Ecology, Rome, since 1987

IUCN-World Conservation Union (Gland, Switzerland): Member of the Steering Committee and the Executive Committee of SSC - Species Survival Commission, since 1994, and responsible for the development of the Species Information Service (SIS); Wolf Specialist Group, since 1973; Conservation Breeding SG, since 1990; Canid SG, since 1990; Regional Representative for Europe, 1990 – 1994; Reintroduction SG, since 1995; Red List Committee, since 1999; World Commission on Protected Areas (WCPA) of IUCN, since 1995.

Founder and Council member of the International Society for Anthrozoology, 1991 - 1995.

Italian Scientific Committee for CITES in Italy, 1980 -1993 and 1995 -1999.

Board of Advisors of the International Wolf Center, Ely, MN, 1984 to present

Board of Directors of the Wolf Fund, Jackson, Wyoming, 1987-1995

Steering Committee of the Theriological Section of IUBS (Int. Union of Biological Sciences), 1985-93.

Executive Committee and Chair (from 2001) of the Large Carnivore Conservation Initiative for Europe, (1995 - present). Website: [www.lcie.org](http://www.lcie.org)

Steering Committee of Biodiversity Conservation Information System (BCIS), a consortium of the 12 most important international conservation NGOs, 1997 - 2002).

Member of the National Committees on the Wolf of the French Government (1994 to present) and of the Swiss Government (1996 to present)

REVIEWER FOR:

Journals:

*Journal of Mammalogy, Animal Conservation, Mammalia, Ecology Ethology and Evolution, Ecology Letters, BioScience, Conservation Biology, Journal of Applied Ecology, Ecology Letters, Acta Oecologica, Folia Zoologica, Journal of Zoology, Acta Theriologica, Donana Acta Vertebrata, Israel Journal of Zoology, Revue d'Ecologie (Terre et Vie), Oryx, Gibier Faune Sauvage, Biota, Hystrix, Biologia e Conservazione della Fauna* and others.

Member of the editorial panel of *Animal Conservation* (1997-2000), *Game and Wildlife* (1989 to present),

SCHOLARSHIPS AND AWARDS:

Fullbright Fellowship (USA/Italia) to attend Yale University, 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.

OTHER:

Founder and President of the Institute of Applied Ecology, Roma, Italy, 1987. A highly qualified (12 permanent members + temporary researchers) non-profit organization for research and teaching on environmental issues: it has been working independently on grants from several national and international agencies on terrestrial and marine research themes. Profile and resumé are available at [www.ieaitaly.org](http://www.ieaitaly.org)

Contributor and supervisor to several TV programmes on conservation issues in Italy and featured in many documentaries on the Italian wolves for BBC, France TV, Bavaria TV (Germany), etc.