
Dr. Lucilla SPINI

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Dr. Lucilla Spini is a biological anthropologist with expertise in international science coordination, science/policy bridging, global environmental change, sustainable development, and capacity-building.

EDUCATION

D.Phil. in Biological Anthropology (March 2005), **University of Oxford**, Oxford, UK
M.Sc. in Human Biology (November 1998), **University of Oxford**, Oxford, UK
B.A. (Honors) in Anthropology, *Summa Cum Laude* (January 1997), *Anthropology Department Prize 1997, Phi Beta Kappa*, **New York University**, New York, USA
Maturità Classica (July 1994), Liceo Classico “Galileo”, Firenze, Italy

ACADEMIC ROLES

Harvard University Kennedy School of Government (Cambridge, MA, USA)
Giorgio Ruffolo Mid-Career Research Fellow, Sustainability Science Program (1 Sept. 2014-31 Aug. 2015)

Conducted research on the role of international science and technology capacity-building towards sustainable development and innovation, with a focus on the water/health nexus; contributed to the research initiative on “*Innovation and Access to Technologies for Sustainable Development*” led by Professor W. Clark; and participated in the Harvard/MIT Working Group on “*Evaluating Technology and Policy for Sustainable Development*”.

University of Waterloo, Department of Anthropology (Waterloo, ON, Canada)
Adjunct Assistant Professor (1 Jan. 2011-31 Dec. 2014)

Contributed to the Public Issues Anthropology course by lecturing on anthropology and international and sustainable development, and advised students on internships in the UN.

McMaster University, School of Geography and Earth Sciences (Hamilton, ON, Canada)
Adjunct Professor (1 July 2011-1 July 2014)

Contributed to the organization of outreach events of the McMaster Centre for Climate Change (MCCC), and provided advice to the Director on opportunities for international cooperation.

PROFESSIONAL EXPERIENCE

International Council for Science, ICSU (Paris, France)
Head of Science Programmes (12 January 2015-present)

Furthered international science coordination, science/policy interface and the principles of the universality of science by managing ICSU Science Programmes/Bodies, facilitating the activities of ICSU Policy Committees, representing ICSU at international fora (e.g., post-2015 negotiations), contributing to the management of the organization, and strengthening partnerships with international organizations (e.g., UNDESA, UNESCO, and WMO).

UNESCO/TWAS - The World Academy of Sciences for the advancement of science in developing countries (Trieste, Italy)

Programme Officer, TWAS (1 Nov. 2013-31 Aug. 2014)
Coordinator, IAP/IAMP (1 Feb. 2012-31 Oct. 2013)

Furthered global science advice, science/policy bridging and science capacity-building in developing countries by coordinating the Secretariat of the Global Network of Science Academies (IAP) and its affiliated InterAcademy Medical Panel (IAMP) and the TWAS Programmes Team, and by developing cooperation with academic/research institutions and international organizations (e.g., ICSU).

United Nations University Institute for Water, Environment and Health, UNU-INWEH (Hamilton, ON, Canada)

Executive Officer (Global Environmental Change and Human Health), formerly Project Officer (11 Jan. 2010-31 Jan. 2012)

Facilitated the coordination of international scientific research on global environmental change and human health, by managing the International Project Office of the “*Global Environmental Change and Human Health*”, a Joint Project of the Earth System Science Partnership (ESSP). Raised funds and developed partnerships towards the implementation of GECHH activities, including Symposia. Acted as Internship Coordinator for UNU-INWEH and as UNU-INWEH/GECHH Representative at international meetings.

WCMC-2000, UNEP-World Conservation Monitoring Centre (Cambridge, UK)

Programme Officer (2 Mar. -30 Sept. 2009)

Contributed to policy analyses on biodiversity conservation and climate change, and provided inputs to the project “*European Commission Knowledge Base*” and to the gap analysis related to the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES). Acted as UNEP-WCMC Representative at the 9th Meeting of the Technical Committee of the African-Eurasian Waterbird Agreement.

FAO of the UN, Office of the Assistant Director-General, Natural Resources Management and Environment Department (Rome, Italy)

Programme Officer (Environmental Conventions) (1 Oct. 2007-28 Feb. 2009)

Furthered the implementation of Biodiversity Conventions by strengthening FAO cooperation with the Convention on Biological Diversity (CBD), the Ramsar Convention on Wetlands, and the Convention on Migratory Species (CMS), by implementing the project “*Working Together Towards the Biodiversity 2010 Target*”. Acted as the Secretary to the FAO Interdepartmental Working Group on Biodiversity for Food & Agriculture; Liaison Protocol Aide at the “High Level Conference on World Food Security: the Challenges of Climate Change and Bioenergy” (2008); and as FAO Representative at international meetings.

FAO of the UN, Environment Climate Change and Bioenergy Division (Rome, Italy)

Programme Officer, GTOS (10 Oct. 2005-30 Sept. 2007; 13 Jan.-15 Jul. 2005)

Furthered the implementation of Environmental Conventions by enabling synergies between the Global Terrestrial Observing System (GTOS) and the UN Convention to Combat Desertification (UNCCD), the UN Framework Convention on Climate Change (UNFCCC), the Ramsar Convention, the CBD and the CMS. Developed and negotiated the FAO/Italy agreement for the project “*Working Together Towards the Biodiversity 2010 Target*”; and the FAO/GTOS Memorandum of Cooperation with the Ramsar Convention. Acted as the Secretary to the FAO Interdepartmental Working Group on Biodiversity for Food and Agriculture; and as FAO Representative at meetings.

UNESCO, Division of Ecological Sciences (Paris, France)

Associate Expert (19 Nov. 2001-18 Dec. 2004)

Contributed to the operations of the UNEP/UNESCO Great Apes Survival Partnership (GRASP) and the Man and the Biosphere (MAB) Programme and its Biosphere Reserves Integrated Monitoring (BRIM), also by enabling dialogue with the scientific community and the press/media. Advised for an exhibition on great apes at the *Cité des Science & de l'Industrie*, and acted as a Focal Point for the Italy/UNESCO Memorandum on Natural/Cultural Heritage; BRIM Series Editor; and UNESCO Representative at international meetings.

OASP Visiting Students Programme (University of Oxford, Oxford, UK)

Tutor (Oct. 1999-Apr. 2000)

Taught evolution of social behaviour and basic biology (undergraduate level/tutorials) and evaluated students' efforts through papers/exams.

UNESCO, Policy, Analysis and Operations Divisions (Paris, France)

Consultant, Africa Desk (1-15 Sept. 1999)

Researched materials on S&T budgeting and policy in Africa and assisted in the organization of a consultative forum to be held in Nigeria.

UNESCO, Intangible Heritage Unit (Paris, France)

Intern (28 June-27 Aug. 1999)

Supported the work on safeguarding intangible heritage by drafting project proposal for 3 developing countries and presenting proposal to potential donor, and by updating the Website.

Budongo Forest Project, University of Oxford (Oxford, UK)

Researcher (Feb. 1998-Jul. 1998)

Supported the management of data on chimpanzees by tabulating the data in a statistical package (SPSS), and trained another researcher in data-tabulation.

Institute of Anthropology, University of Florence (Florence, Italy)

Volunteer (Jan.-May 1997)

Assisted in the running of the Institute's library and scientific journals (e.g. "Human Evolution"), and organized the Anthropology Books Club for 1st/2nd-year students.

LANGUAGES

Excellent spoken/written **English** and **French**; native **Italian**; learning **Spanish**.

COMMUNICATION & PROJECT SKILLS

Effective communication and project management skills developed through +10-year experience within the UN, university teaching/lecturing, and training. Training addressed: budget management; project cycle; log-framework; risk & stakeholders analyses; fund-raising; management of meetings; communication & public speaking; team building/working; cross-cultural conflict resolution & negotiation, and transforming women leadership.

PUBLICATIONS

AS EDITOR/CO-EDITOR

- Special Issue of *Global Bioethics* on the GECHH 2010 Symposium in partnership with UNU-INWEH, "Global Environmental Change and Human Health: Protecting Water Quality" (Pontecorboli Editore, Firenze), Volume 24, Issues 1-4, 2011. Edited by **L. Spini**.
- Aquatic and marine systems 2011 Section. *Current Opinion in Environmental Sustainability* (Elsevier), Volume 3, issue 6, December 2011. Edited by **L. Spini**, Z. Adeel and M. Rosenberg.
- International Human Dimensions Programme on Global Environmental Change (IHDP) (2011). *Human Health and Global Environmental Change. IHDP Update*, Issue 1. IHDP Secretariat: Bonn, Germany. Edited by T. Krafft, M. Rosenberg, G. Litre, and **L. Spini**.

AS AUTHOR/CO-AUTHOR

- C. Ebikeme, S. Hodson, G. Boulton, H. Hackmann, A-S. Stevance and **L. Spini** (2016) Open Data in a Big Data World: challenges and opportunities for sustainable development. *Brief for GSDR* (<https://sustainabledevelopment.un.org/topics/science/crowdsourcedbriefs>)
- J. I. Bouffoud, L-M. Looi, **L. Spini** and M. Kareithi (2012) Young Physician Leaders programme – Educating the Leaders of Tomorrow. IN *World Health Summit 2012* (<http://www.newsdeskmedia.com/files/WHS-Oct12.pdf>)
- **L. Spini**, J. Lacey, and M. Kareithi (2012) Inter-Academy Cooperation. *TWAS Newsletter* Vol. 24 No. 2:38-42 (<http://twas.ictp.it/publications/nl/2012-volume-24/twas-newsletter-vol-24-no-2/interacademy-cooperation/view>)
- **L. Spini** (2011) Editorial. Special Issue *Global Bioethics* (Pontecorboli Editore, Firenze), Vol. 24(1-4): 1-2
- **L. Spini**, M. W. Rosenberg and S. Elliott (2011) The GECHH 2010 Symposium "Global Environmental Change and Human Health: Protecting Water Quality". Special Issue *Global Bioethics* (Pontecorboli Editore, Firenze), Vol. 24(1-4): 3-4

- **L. Spini**, Z. Adeel and M. Rosenberg (2011) Editorial overview: The nexus of water and human health in the context of global changes. Aquatic and marine systems 2011 Section. *Current Opinion in Environmental Sustainability* (Elsevier), 3(6): 447-447
- P. Horwitz, **L. Spini**, K. Campbell, R.J. Thomas and J. Mulongoy (2011) The relationship between water, health and global environmental change, as interpreted through five key Multilateral Environmental Agreements (MEAs). Aquatic and marine systems 2011 Section. *Current Opinion in Environmental Sustainability* (Elsevier), 3(6): 520-526
- **L. Spini** and F. Bernardini (2011) Putting the right to water into practice: The pan-European Protocol on Water and Health. *Health Diplomacy Monitor*. No. 1(5): 6-8
- T. Krafft, G. Litre, M.W. Rosenberg, and **L. Spini** (2011). Editorial. In *International Human Dimensions Programme on Global Environmental Change (IHDP) (2011). Human Health and Global Environmental Change. IHDP Update*, Issue 1. IHDP Secretariat: Bonn, Germany
- **L. Spini** (2010) Il paesaggio culturale [*The Cultural Landscape*]. In *Contesti*, n.1-2/2009 numero monografico sul paesaggio (pp 124-125), Firenze, Italy
- **L. Spini** (2009) Paesaggio culturale nella Convenzione sulla Protezione del Patrimonio mondiale [*Cultural Landscape in the World Heritage Convention*]. In M. Zoppi (ed.) *Le Colline di Leonardo*, (pp 171-174), Pisa, Italy: Pacini Editore
- **L. Spini** (2009) Le tradizioni popolari [*Local Traditions*]. In M. Zoppi (ed.) *Le Colline di Leonardo*, (pp 121-123), Pisa, Italy: Pacini Editore
- **L. Spini**, R. Czudek, L. Bakker, J. Sanders and A. Bensch (2008) The role of the Food and Agriculture Organization (FAO) of the United Nations in supporting terrestrial and marine protected areas. *CBD Technical Series* No.35: 85-87 (<http://www.cbd.int/doc/publications/cbd-ts-35-en.pdf>)
- **L. Spini** and R. Sessa (December 2007) GTOS and the Conventions. *GTOS Biennial Report 2006-2007* GTOS-50: 26-27 (<http://www.fao.org/gtos/doc/pub50.pdf>)
- **L. Spini**, R. Christian, N. Davidson, M. Finlayson, J. Latham, and R. Zomer (2008) A partnership to promote, harmonize and support global- and national-scale mapping and inventory for assessment and monitoring of wetlands in support of the Ramsar Convention on Wetlands and other bio-diversity related conventions. In Fitoka E. & Keramitsologu I. (eds.) *Inventory, assessment and monitoring of Mediterranean Wetlands: Mapping wetlands using Earth Observation techniques*, (pp 28-29), EKBY & NOA. MedWet publication (Scientific reviewer Nick J. Riddiford) (http://www.wetlands.org/_strp/WG1inventory/Library/EarthObservation-Manual.pdf)
- **L. Spini** (2007) Linacre in Rome. *Linacre News* (Autumn 2007) Issue No.33: 8
- W. Killmann, J. Tschirley, L. Collette, **L. Spini** and P. Kenmore (2007) Agricultural biodiversity as a tool for climate change adaptation in the agriculture sector: a knowledge-management approach of the Food and Agriculture Organization (FAO). *CBD Technical Series* No.29: 75-76 (<http://www.cbd.int/doc/publications/cbd-ts-29.pdf>)
- R. Christian, M. Finlayson, J. Latham, **L. Spini** and R. Zomer (2006) Promoting large-scale mapping and inventory of wetland ecosystems in support of the Ramsar Convention on Wetlands and other Biodiversity-related Conventions: a Type II Partnership. *Globwetland Symposium, ESA/ESRIN, Abstract Book*: 42
- **L. Spini** (2006) Assisting the Conventions. *GTOS Biennial Report 2004-2005* GTOS-40: 22-23 (<http://www.fao.org/gtos/doc/pub40.pdf>)
- **L. Spini** and R. Scholes (2006) Biodiversity loss: GTOS and Target 2010. *GTOS Biennial Report 2004-2005* GTOS-40: 24-25 (<http://www.fao.org/gtos/doc/pub40.pdf>)
- R. Christian, S. Mazzilli, **L. Spini** and P. Bridgewater (2006) Ramsar wetlands as sentinels for global coastal observations. [Abs] Paper at the 27th International Conference of the Society of Wetland Scientists (http://www.fao.org/gtos/doc/SWS2006_ChristianRR.doc)
- S. Mankoto, **L. Spini** and A. Otchet (2005) Our closest relatives on the brink of extinction. *A World of Science* 3(1): 20-23 (http://www.unesco.org/science/awos_january_2005.pdf)

- **L. Spini** and P. C. Lee (2004) Play partners preferences in captive chimpanzee (*Pan troglodytes*) immature females: does size matter? [Abs] *Folia Primatologica* 75 (Supp. 1): 338
- **L. Spini** et al. (2004) “The Great Apes Survival Project Partnership *at work*”. Poster at the 5th Student Conference on Conservation Science, University of Cambridge, UK
- **L. Spini** and S. Arico’ (2003) World Network of Biosphere Reserves: Landscape for People and Nature. In Dramstad, W. & Sogge, C. (eds.) *Agricultural impacts on landscapes; developing indicators for policy analysis. Proceedings from the NIJOS/OECD Expert Meeting on Agricultural Landscape Indicators in Oslo, Norway, October 7-9, 2002*, NIJOS rapport 7/03: 269-273 (<http://www.skogoglandskap.no/filearchive/nettrappport07-08.pdf>)
- **L. Spini** et al. (2003) Great Apes living in UNESCO Biosphere Reserves. [Abs] *American Journal of Primatology* (Suppl.1): 62
- **L. Spini** (2002) “Developing a Social Psychology of Monkeys and Apes”, by John Chadwick-Jones/Book review. *Journal of Biosocial Science* 34: 425-426
- **L. Spini** et al. (2001) Sex ratios at Chester Zoo chimpanzee (*Pan troglodytes*) breeding centre: implications for developing social behaviour in young chimpanzees. [Abs] *Primate Report* (Sp. Iss.60-1): 41:42 (<http://www.dpz.gwdg.de/pr/pr60-1/pr60-1.pdf>)
- **L. Spini** et al. (2001) “Chimpometrics”: measuring linear growth in captive chimpanzees (*Pan troglodytes*) with a photogrammetric approach at Chester Zoo (UK). [Abs] *American Journal of Primatology* 54 (Suppl.1): 40-41
- **L. Spini** et al. (2001) Chester Zoo chimpanzee (*Pan troglodytes*) breeding centre: a brief demographic profile for 1989-2001. In *Proceedings of the 3rd Annual Symposium on Zoo Research* (pp 132-142), Chester Zoo
- **L. Spini** (2001) “Bonobo – The Forgotten Ape”, by Frans de Waal and Frans Lanting/Book Review. *Journal of Biosocial Science* 33(1): 158-160
- **L. Spini** (2001) Giving birth in forced proximity: a live birth at Chester Zoo (UK). [Abs] In *The Apes: Challenges for the 21st Century Conference Proceedings* (p. 373), Brookfield Zoo.
- **L. Spini** (2000) Growing up in different environments: the behaviour of juvenile chimpanzees (*Pan troglodytes*) in the Budongo Forest Reserves (Uganda) and at Chester Zoo (UK). [Abs] *American Journal of Primatology* 51 (Suppl.1): 92

POSTGRADUATE THESES

- **L. Spini** (2004) *Ethological and morphological approaches to the study of immature chimpanzees*, D.Phil. Thesis, University of Oxford
- **L. Spini** (1998) *The frequency and significance of social grooming in the Sonso community of chimpanzees at the Budongo Forest, Uganda*, M.Sc. Thesis, University of Oxford

EXHIBITIONS/VIDEOS

- 2004 *Les grands singes vont-ils disparaître?*, French/English exhibition & DVD-ROM, Cité des Sciences et de l’Industrie, Paris, France (scientific advisor)
- 2002 *Biosphere Reserves: Partnership for People and Nature*, Video, UNESCO (video script/realisation)

REFEREES

Professor Kalemani (Jo) MULONGOY, President and Co-Founder, Institute for Enhanced Livelihoods, Canada; Tel. +1 514 483 4235; E-mail: jo.mulongoy@gmail.com.

Professor Susan ELLIOTT, Professor of Geography, Department of Geography & Environmental Management, University of Waterloo, Canada; Tel. +1 519 888 4567; E-mail: elliotts@uwaterloo.ca.

Professor Maria IVANOVA, Associate Professor of Global Governance and Director, Center for Governance and Sustainability, John W. McCormack Graduate School of Policy and Global Studies, University of Massachusetts Boston, USA; Tel. +1 617 287 7263; E-mail: Maria.Ivanova@umb.edu.