

# DR ELENA LOPEZ - GUNN

## PERSONAL INFORMATION

---

**Date of Birth:** 14th December 1970  
**Place of Birth:** Madrid (Spain)  
**Nationality:** British/Spanish (dual citizenship)

## QUALIFICATIONS

---

- **January 1998- May 2003: Department of Geography, King's College, London**  
**PhD (part time)** *Thesis Title: Policy change and learning in groundwater policy: an analysis of Collective action in La Mancha (Spain) (viva July 2003 passed with no changes)*
- **September 1992- August 1993: Department of Geography, University of Cambridge**  
**MPhil Environment and Development**  
*Thesis Title: "The Operation of EC regional and environmental policies in Spain: the Monegros irrigation*
- **1989-1992 Social and Political Sciences Department, University of Wales, College of Cardiff**  
**BSc (Econ) Hons European Community Studies 2:i**  
*Subjects: EC law, EC political Economy, French politics, EC policy and politics, Spanish politics*

## PRESENT AND PREVIOUS APPOINTMENTS

---

**March 2009- present: FMBotín-Water Observatory (hosted at the UCM, Madrid),**  
*Senior Research Fellow*

**September 2010- present: Instituto Empresa (Madrid)**

Associate Professor and Coordinator Course: Global Environmental change: critical perspectives

**June 2009- present: Department of Geography and Environment, London School of Economics and Political Science (LSE)**  
*Senior Visiting Fellow*

**November 2006- March 2009: Centre for Environmental Policy and Governance, LSE**  
*Alcoa Research fellow*

**Sept 2001- July 2006 Department of Geography and Environment, London School of Economics and Political Science (London)**  
*Tutorial Fellow*

**March 2000- July 2000: Groundwater Project, Botín Foundation (Madrid, Spain)**  
Researcher for Gestión Colectiva de Aguas Subterráneas (Collective management of groundwater)

**Sept. 1994-Feb. 2000 Department of Environmental Sciences, Univ. of Hertfordshire**

*Lecturer*

- Teaching and learning: speciality areas in European Environmental policy, water management and environmental economics at undergraduate and postgraduate levels
- Research: water management and environmental policy
- Administrative responsibilities: Year in Europe/North America Co-ordinator (SOCRATES); supervision (placements and final year projects); course co-ordinator; Module co-ordinator for MSc in Integrated Catchment Management (Module 1: Legislative and institutional frameworks for water management and Module 2: Env. Economics, and hydropolitics)

**Sept. 1993-July 1994 Department of Geography, University of Cambridge**

*Research Assistant*

MEDALUS EU project on "The management of land degradation and land use change in the Mediterranean - forestry, water policy, fires, conservation of landscapes, and land abandonment. (with A.T. Grove)

**PROFESSIONAL ACTIVITIES**

---

ADVISORY ROLE

- Transparency International (Spain) development of transparency indicator for river basin authorities and regional water agencies (2009-2010)
- Advisory Board Altaguax Project (UNESCO-IHE and Agencia Andaluza del Agua)

CONSULTANCY

- UNDP Course Developer April 2007 Virtual Development Academy: Develop a course on 'Environment' for UNDP Virtual Development Academy for UNDP country Officers
- UK Environment Agency: 'Analysis of alternative and complementary policy instruments: tools to aid the implementation of the Water Framework Directive'

GRANTS:

- July 2007: Abbey Santander/LSE travel fund
- April 2002 RGS-Geographers into Teaching Project
- April-November 1998- National Trust European Arkell Fellowship
- May-August 2000 – UK Irrigation Association Scholarship
- October- January 2001- British Council Exchange Grant

**HONOURS AND PRIZES**

---

Member of the UNESCO Working Party on Groundwater Indicators (2003 – present)

PhD EXAMINER (University of London)

September 2003: Wiley Best Poster Prize at the RGS-IBG Annual Geography Conference

May 2003: Departmental Teaching Prize, London School of Economics and Political Science

Jack Wright Memorial Trust; Steering Committee Project Altaagua ( Agencia Andaluza del Agua/UNESCO-Delft)

**EXISTING PUBLICATIONS:**

---

*Papers*

- Lopez-Gunn, E (2009) Governing shared groundwater: the controversy over private regulation *The Geographical Journal* Vol. 175, No 1 March pp 39-51.

- Lopez-gunn, E (2009) El agua es nuestra: the new 'regionalist' twist in the Spanish hydraulic paradigm. *Water Alternatives* ([http://www.water-alternatives.org/index.php?option=com\\_content&task=view&id=45&Itemid=44](http://www.water-alternatives.org/index.php?option=com_content&task=view&id=45&Itemid=44))
- Lopez-Gunn, E and Llamas, R (2008) Re-thinking water scarcity: can science and technology solve the global water crisis? *Natural Resources Forum* 32 September 228-238
- Lopez-Gunn, E (online version available Governing shared groundwater: the controversy over private regulation (manuscript ID *The Geographical Journal*) is GJ-Dec-2007-0032)
- Gouldson, A; Lopez-Gunn, van-Alstine, J Ress, Davies, M and Krishnarayan, V. (2008) New alternative and complementary environmental policy instruments and the implementation of the Water Framework Directive *European Environment* 359-370
- Lopez-Gunn, E and Martinez-Cortina, L. (2006) Is self-regulation a myth? Case study on Spanish groundwater associations and the role of higher level authorities *Hydrogeology Journal* 14 (3); March, 361-375.
- Lopez-Gunn, E (2003) The role of collective action in water governance: a comparative study of groundwater user associations in La Mancha aquifers (Spain) commissioned for Special Issue Water Management in the Iberian Peninsula *Water International* Vol. 28, No.3 September pp.367-378.

*Books and Book Chapters:*

Martinez-Cortina; L; Garrido, A and Lopez-Gunn (2010) rethinking water and food security (Taylor and Francis)

- Lopez-Gunn, E, Llamas, MR, Garrido, A and Sanz, D. (In press) Groundwater management in *Treatise in Water Science* Ed Peter Rogers (Elsevier)
- Lopez-Gunn, E. (2009) Making groundwater institutionally visible in Llamas, R and Garrido, A (eds) *Water Policy in Spain* Pub. Taylor and Francis.
- Lopez-Gunn, E (2007) Is self-regulation the way forward? Groundwater governance in Spain (edited by Steve Ragone et al *The Global Importance of groundwater in the 21<sup>st</sup> century: proceedings from the international symposium on groundwater sustainability* published by NGWA, IGME and Spanish Academy of Sciences)
- Lopez-Gunn, E. (2006) Collective action and inaction in groundwater management in Rydin, Y and Falleth, E. *Networks and Institutions in natural resource management* Edward Elgar Pub., London.
- Schlager, E. and López-Gunn, (2005) Collective systems for water management: is the Tragedy of the Commons a myth? *Water Crisis: Myth or Reality?* Edited by: Peter P. Rogers, Ramón Llamas and Luis Martínez Cortina Taylor & Francis Pub.
- Lopez-Gunn, E (2003) La participación de los ciudadanos y usuarios en la directiva Marco Europea: el caso de España *Jornadas sobre las aguas subterráneas en el contexto de la Directiva Marco de Aguas* (organised by the International Hydrological Association-Spanish Group) Zaragoza, 20-22<sup>nd</sup> November. (Proceedings to be published as a book by the Mining and Technological Institute, Ministry of Science and Technology, Spain).
- Lopez-Gunn, E. (2002) Policy change and learning in the Western Mancha aquifer between 1985-2000 in Steenvoorden, J., Claessen F. and Willems, J. (eds) *Agricultural Effects on Ground and Surface Water: Research and policy at the edge of science and society* IAHS Red Book Series 273 International Association of Hydrological Sciences Press Publications.
- Lopez-Gunn, E. and Hernandez-Mora, N. (2001) La Gestión colectiva de las aguas subterráneas: análisis comparativo in Garrido et al *La Economía y la Gestión Colectiva de las aguas subterráneas en España*, Mundiprensa Pub.
- Lopez-Gunn, E. and Llamas, R. (1999) New and old paradigms in Spain's water policy, Paper presented in Forum of the UNESCO International School of Science for Peace meetings on 'Water security in the Third Millennium. Mediterranean countries as a case' Villa Olmo, Como, (Italy) 12-15<sup>th</sup> April 1999 edited in the UNESCO Science for Peace Series.
- Wade, M. & Lopez-Gunn, E. (1999) Wetlands in Pacione, M. (ed) *Applied Geography* Longman, pp 288-300.
- Lopez-Gunn, E (1996) 'Spanish water supply and demand management: the case of water transfers' in Howsam, P. and Carter, R. (Eds) *Water*

*Conference Papers and Working Papers*

- Story, J. and Lopez-Gunn, E (2010) Comparing conflict in transboundary aquifer management: some insights from a comparative study between Spain and Australia UNESCO-IAH-UNEP Conference, Paris, 6-8 December 2010
- Grove, A.T and Lopez-Gunn, e. (2010) Uncertainty in climate change WP) Real Instituto Elcano Area: International Economy and Trade Working WP 25/2010 - 22/07/2010 [http://www.realinstitutoelcano.org/wps/portal/rielcano\\_eng/Content?WCM\\_GLOBAL\\_CONTEXT=elcano/Elcano\\_in/Zonas\\_in/DT25-2010](http://www.realinstitutoelcano.org/wps/portal/rielcano_eng/Content?WCM_GLOBAL_CONTEXT=elcano/Elcano_in/Zonas_in/DT25-2010)
- Lopez-Gunn, E. (2009) Spain, Water and Climate Change in COP 15 and Beyond: Aligning Mitigation and Adaptation through Innovation (WP) Real Instituto Elcano Area: International Economy and Trade Working Paper 65/2009 24/12/2009
- Kengott, K, Lopez-Gunn, E and Venegas, P. (2009) El agua es del pueblo, carajo! The role of ownership in policy implementation- lessons learnt from Bolivian water policy in Beyond Accra Ownership and accountability in national development Strategies (London 22-24th April LSE/GTZ) (<http://www.lse.ac.uk/collections/DESTIN/Beyond%20Accra%20Papers.pdf>) Lopez-Gunn, E. (2007) A rights based approach to water: the case of Cochabamba, Bolivia. Presentation to Geography seminars department of Geography and Environment, LSE, London
- Lopez-Gunn, E (2007) A Rights based approach to groundwater ABAS November, Belo Horizonte, Brazil.
- Llamas, R. and Lopez-Gunn, E (2007) The role of science and technology in the soft path to solving conflicts over water presented at Scientific Meeting 'Water Management: technology, economics and environment', Fundacion Ramon Areces ( Madrid, Spain) 19-20<sup>th</sup> January ([http://www.fundacionareces.es/agua\\_2006\\_prog.htm](http://www.fundacionareces.es/agua_2006_prog.htm))
- Lopez-Gunn, E (2006) Governing shared groundwater: the controversy over private regulation Paper presented at the Advanced NATO workshop held in Bulgaria 4-10 October on Transboundary Aquifers
- Lopez-Gunn, E (2004) Discussant to paper by Edella Schlager (Univ. of Arizona) on Collective Systems for Water Management: Is the Tragedy of the Commons A Myth? Santander Workshop Water crisis: myth or reality? Santander June 14-16<sup>th</sup>
- Lopez-Gunn, E. 2002 La participación de los ciudadanos y usuarios en la directiva Marco Europea: el caso de España in AIH-GE Presente y futuro del agua subterránea en España y la Directiva Marco Europea, Zaragoza, October.
- Lopez-Gunn, E. (2000) Ecological modernization and conservation policy in the European union: a false sense of security? Environmental Programme Workshop: Coming to terms with the Mediterranean Syndrome: the implementation of European Environmental policies in the southern states, Robert Schuman Centre for Advanced Studies Florence (Italy) 10-20<sup>th</sup> May.
- Lopez-Gunn, E. 1999c ¿Una Ventana de oportunidad? Los Caudales ecológicos en España I Congreso Nacional sobre caudales Ecológicos Terrasa (Spain), 30th Sept. to 2<sup>nd</sup> October pp 203- 212.

*REPORTS:*

- Contributed as part of LSE team in producing the report for the Environment Agency (April 2006) on *Alternative and complementary policy instruments: tools to aid implementation of the Water Framework Directive Final R & D report PoM (04) 01*
- *Report on Socio-economic aspects of Groundwater Indicators* (Contribution to UNESCO Working Group on Groundwater in preparation for 2<sup>nd</sup> Water Assessment programme (UNESCO Headquarters 6-8<sup>th</sup> April 2004, Paris).
- Report for the National Trust on Comparative study of water rights in England and Spain: case study on Tablas de Daimiel (Spain) and Wicken Fen (England) –

October 1998

## POSTERS

- Barcos L, Lopez-Gunn, Villarroya, Fernandez-Lop and Llamas, Mr (2010) *The Special Upper Guadiana plan: assessment of early effectiveness as main policy measure to implement the EU water framework directive* European Groundwater Conference 2010 “Groundwater Protection in the EU. Best practice in the implementation of the Water Framework Directive and the Groundwater Directive”, will be held in Madrid (Spain) on 20-21 May 2010.
- Expo-2008 Zaragoza (July 2008): presented two posters in the special topic week water and economics
- Water and complex Systems (hosted by the European Academy of Sciences (Italy)- October 2008: presented paper on the Human Right to Water in Bolivia

## INVITED KEY SPEAKER/LECTURER

- Lopez-Gunn, Zorrilla, P and Llamas, R (2010) The Upper Guadiana Basin: Is It Possible to Align Changes in Ecological Systems with Changes in Social Systems? Stockholm Water Week 2010: Workshop 7 - Resilience, Uncertainty and Tipping Points 9 September
- Sustainable agriculture for groundwater management in Spain: is squaring the circle possible? (E.Lopez-Gunn) Toward Sustainable Groundwater in Agriculture – An International Conference Linking Science and Policy 15-17 June 2010; San Francisco, California University of California Davis & Water Education Foundation
- Biari Workshop Brown (July 2010): Lopez-Gunn, E Aligning mitigation and adaptation in water resource planning
- CIHEAM: Regulatory aspects in groundwater management (with professor Emilio Custodio) (March 2010) –course on coastal aquifers
- Key note Speaker: 5<sup>th</sup> World Water Forum Istanbul Session 4.2.1. On Hidden resource: groundwater : Groundwater mismanagement risk or missed management opportunity?
- Hosted Side event on groundwater: water and food security (5<sup>th</sup> World Water forum)
- ABAS Brazil: A multilevel analysis of groundwater Rights ( Mina Gerais, December 2007)

## REFERENCES

Professor Ramón Llamas Madurga  
Spanish Academy of Sciences and  
Facultad de Ciencias Geológicas, Dpto. De  
Geodinámica, 5ta Planta, Universidad  
Complutense, Madrid (Spain)  
Tel: (34) 91 394 48 48  
Fax: (34) 91 394 48 45  
Email: mrllamas@geo.ucm.es

Professor Andres Rodriguez-Pose,  
Professor in Human geography  
Department of Geography and Environment,  
London School of Economics,  
Houghton Street, London WC2 2AE  
Tel: (0)2079557605  
Fax: (0)20 7848 2287  
Email: a.rodriguez-pose@lse.ac.uk