

Curriculum Vitae
Anna SERRA-LLOBET

Personal contact information

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Work contact information

University of California, Berkeley
Institute of International Studies
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Education

Ph.D. Environmental Sciences, Autonomous University of Barcelona, Spain.

Doctoral Dissertation: *Turning hazards into resources?: Climate change, floods, and coastal wetlands on the Mediterranean Coast of Spain*. Summa Cum Laude. (2011) Adviser: Dr. David Saurí.

M.Sc. Environmental Sciences, Autonomous University of Barcelona, Spain.

Master Thesis: *Analysis of Forest Cover Change and Dynamics (1954-2003) in the High Pyrenees Natural Park (Catalonia, Spain): The Historical Cartography of Jaime Jordán de Urrés, a Tool for Forestry Management*. (2007) Adviser: Dr. Albert Pèlachs.

B.Sc. Environmental Sciences, Autonomous University of Barcelona, Spain.

Senior Thesis: *Global Environmental Change in Viladrau (Catalonia, Spain)*. (2004) Adviser: Dr. Martí Boada.

Professional Experience

Institute of International Studies, **University of California, Berkeley**, Director Sustainable Floodplains Project. (Current)

Institute of Urban and Regional Development, **University of California, Berkeley**, visiting scholar. Research subject: *Floods management policies, risk perception and land-use planning: a comparative study between the US and the EU*. (2011 – 2015)

(On maternity leave Mar 2013-Feb 2014, on partial maternity leave 2015-2016)

Center for Catastrophic Risk Management, **University of California Berkeley**, Associated Researcher. (2016-present)

Faculty of Architecture and Urban Planning, Research Group on Sustainable Cities, **University of Cuenca, Ecuador**, Associated Researcher. (2014-present)

Research Group on Water, Land Uses and Sustainability (GRATS). **Autonomous University of Barcelona, Spain**. Associated Researcher. (2011-present)

Faculty of Architecture and Urban Planning, **University of Cuenca, Ecuador**. Prometeo Visiting Professor and Researcher. Research: 'Green infrastructure to improve flood protection and

water quality in Cuenca, Ecuador'. Courses: 'Green infrastructure: open space and hydrology', 'Landscape philosophy and history' (Master of Landscape Architecture). Workshop: 'Green infrastructure: concepts, goals, and international policy'. (Mar-Jul 2014)

University of California, Berkeley, and Natural Heritage Institute. Environmental scientist for USAID-funded project, 'A Climate Resilient Mekong'. Compilation and analysis of satellite imagery and maps, field observation and analysis of sediment storage in lower Mekong River, Chiang Saen to Vientiane. (Dec 2011- Jan 2012)

Directorate General for the Environment, Water Unit. **European Commission, EU**, Brussels. Internship. Assessment of the contribution of EU-FP7 projects to the knowledge and gaps of climate change impacts and adaptation to floods and droughts in Europe. (Mar-Jul 2011)

UN International Strategy for Disaster Reduction 'HFA 2005-2015 Mid Term Review'. Independent consultant supporting field research in the development of a case study. Part of the first activities carried out within the IHDP research initiative on Integrated Risk Governance Project. (Jul-Oct 2010)

Institute of Environmental Science and Technology (ICTA), **Autonomous University of Barcelona**, Spain. VULNEMED Project (Vulnerability in the Mediterranean) and ADAM Project (Adaptation and Mitigation Policies: Supporting European Climate Policy). Research assistant. GIS mapping of flood prone areas, interviews of local residents, landowners, city officials, organizing workshops, and preparing reports and presentations. (Sep 2007 – Sep 2009)

Department of Geography, **Autonomous University of Barcelona, Spain**. Project on the Identification of Landscape Subunits in the High Pyrenees Natural Park (Catalonia, Spain). Research assistant. GIS mapping. (Mar 2006 – Mar 2007)

Publications

Articles in peer-reviewed journals

Serra-Llobet A, Vila Subirós J, Barriocanal-Lozano C Land-use change and the evolution of flood risk in a coastal wetland, northeast Spain. *Coastal Management* (in review)

Serra-Llobet A, Hermida MA, Gregory J. Green Infrastructure for Stormwater in an Intermediate-Sized Andean City: Opportunities and Challenges in Urban and Peri-Urban Cuenca, Ecuador. *Water International*. (in review)

Serra-Llobet A, Hermida MA (2016) Opportunities for Green Infrastructure Under Ecuador's New Legal Framework. *Landscape and Urban Planning* 159; <http://dx.doi.org/10.1016/j.landurbplan.2016.02.004>

Serra-Llobet A, Conrad E, Schaefer K (2016) Governing for integrated water and flood risk management: Comparing top-down and bottom-up approaches in Spain and California. *Water* 8, 445; doi:10.3390/w8100445

Serra-Llobet A, Tàbara JD, Saurí D (2013) The Tous Dam Disaster of 1982 and the origins of integrated flood risk management in Spain. *Natural Hazards*, 65 (3), 1981-1998

Tàbara JD, Dai X, Jia G, McEvoy D, Neufeldt H, Serra-Llobet A, Werners S, West JJ (2010) The climate learning ladder. A pragmatic procedure to support climate adaptation. *Environmental Policy and Governance*, 20 (1), 1-11

Books and Chapters

Serra-Llobet A, Kondolf GM, Schaefer K, Nicholson S. (eds) 2017. *Managing flood risk: perspectives from big floodplain rivers and urban streams* (Palgrave Macmillan, due early 2017)

David S, Olcina J, Fernando-Vera J, Martín-Vide J, March H, Serra-Llobet A, Padilla E (2013) Chapter 13. Tourism, Climate Change and Water Resources: Coastal Mediterranean Spain as an Example, pp 231-252. In Schmidt-Thome P and Greiving S (Eds.) *European Climate Vulnerabilities and Adaptation: A Spatial Planning Perspective*. John Wiley & Sons, Ltd. ISBN: 978-0-470-97741-5

Serra-Llobet A (2011) *Turning Hazards into resources? Floods, wetlands and climate change in the Mediterranean coast of Spain*. Doctoral Thesis. pp 1-216: Institute of Environmental Science and Technology (ICTA), Autonomous University of Barcelona.

Corbera E, Besnard M. (contributors: Serra-Llobet A, Buscarons C, Garcia C) (2010). *L'aigua i el canvi climàtic a la Mediterrània*. pp 1-127. UNESCOCAT. ISBN: 978-84-95584-33-5

Pèlach A, Mendizabal E, Serra JM, Soriano JM, Serra-Llobet A (2009) Chapter 12. Evaluation of protected natural reserves through GTP model: The case-study of High Pyrenees Natural Park, in Prados MJ (Ed.) *Naturbanization: New identities and processes for rural-natural areas*, pp 225-238. Taylor & Francis Group. ISBN: 978-0-415-49000-9 (print) 978-0-203-88114-9 (eBook)

Mallarach JM (Coord.), Comas E (Ed.) (contributor: Serra-Llobet A) (2008) *Protegits, de fet o de dret: Primera avaluació del sistema d'espais naturals protegits de Catalunya*, pp 1-359 Institutió Catalana d'Història Natural. ISBN: 978-84-7283-969-4

Serra-Llobet A (2007) *Analysis of Forest Cover Change and Dynamics (1954-2003) in the High Pyrenees Natural Park (Catalonia, Spain): The Historical Cartography of Jaime Jordán de Urríes, a Tool for Forestry Management*. MSc Research Thesis. pp1-171 Institute of Environmental Science and Technology (ICTA), Autonomous University of Barcelona.

Reports

Serra-Llobet A and Simons CW (Eds) (2013) *Our Community's Future. Restoring the creeks of Quito*, pp 1-150. University of California, Berkeley and EPMAPS (Empresa Pública Metropolitana de Agua Potable y Saneamiento de Quito) ISBN/ISSN: 978-0-9837986-3-7

Greiving S, Flex F, Lindner C, Lückenkötter J, Holsten A, Juhola S, Niemii P, Peltonen L, Davoudi S, Tranos E, [.....], Langset B, Schmidt-Thomé P, Klein J, Sauri D, Serra-Llobet A, Schneller K, Csete M, Kruse S, Bouwman A, Knoop J (2011). *ESPON Climate. Climate Change and Territorial Effects on Regions and Local Economies. Final Report*. pp 1-72. ESPON & IRPUD, TU Dortmund ISBN/ISSN: 978-2-919777-04-4

Serra-Llobet A, Tàbara JD, Chabay I (2011). *Assessing the role of vertical and horizontal communication in disaster risk reduction learning and planning. The case of the Spanish Tous dam-break, 1982*. pp 1-44. Integrated Risk Governance Project (IRG).

Serra-Llobet A, Tous C, Tàbara JD (2008) Chapter 4. *El canvi climàtic a la premsa catalana, 1990-2006*, in Tàbara (Coor.) *Percepció pública i política del canvi climàtic a Catalunya*. pp 73-82. Consell Assessor per al Desenvolupament Sostenible de Catalunya (CADS), Col·lecció Documents de recerca, núm. 14. ISBN/ISSN: 978-84-393-7803-7

Articles in non-peer review journals

Badia-Perpinyà, A, Cristòbal, J, Cunill-Artigas, R, Pèlach-Mañosa, A, Serra-Llobet A (2008) L'estudi del canvi d'usos del sòl a partir de la georeferenciació de tres fonts d'informació gràfiques dels anys cinquanta: un exemple als Pirineus de Lleida Institut d'Estudis Catalans, Treballs de la Societat Catalana de Geografia, Vol 65: 3-14. ISBN/ISSN: 1133-2190 (print) 2014-0037 (online)

Garcia E, Querol E, Serra-Llobet A, Vila J (2004) El canvi ambiental global al municipi de Viladrau, in Monografies del Montseny, Vol 19: 221-234. El Ciervo 96. ISBN/ISSN: 1135-9293

Garcia E, Querol E, Serra-Llobet A, Vila J (2003) El canvi ambiental global al municipi de Viladrau, in Diagnosi ambiental al Parc Natural del Montseny, Monografia 36: 97-101. Institut Edicions de la Diputació de Barcelona

Languages

Spanish and Catalan (native)
English (advanced)
French (intermediate)

Honors and Awards

- FloodRisk Conference 2016 (Lyon, France) Conference Poster Session Award (2nd place) (2016)
 - Senescyt Prometeo (Ecuador) Visiting Professor and Research Associate (2014)
 - European Union Center of Excellence Faculty Grant (2011)
 - European Union Traineeship Program Grant (2011)
 - Doctoral Dissertation Summa Cum Laude (2011)
 - Catalan Agency for Universities and Research (AGAUR) Scholarship for Research Abroad, University of California at Berkeley (2008)
 - European Science Foundation Conference Travel Award (2008)
 - European Water Association's IFAT 2008 Conference Poster Session Award (1st place) (2008)
 - Autonomous University of Barcelona Faculty Research Grant (2007-2009)
 - International Comparative Rural Policy Studies Summer School Fellowship (Spain) (2007)
 - International Comparative Rural Policy Studies Summer School Fellowship (Canada) (2006)
 - European Science Foundation Conference Travel Award (2005)
 - Autonomous University of Barcelona Faculty Research Grant (2005-2007)
 - University of Egean (Greece) Conference Travel Award (2004)
 - Erasmus Internship Grant, University of Joensuu, Finland (2002)
 - Freshman year – B.Sc. Degree in Environmental Sciences, Autonomous University of Barcelona (1999)
 - Honours baccalaureate, "IES Martí l'Humà" High School, Spanish Ministry of Education and Science (1998)
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Conferences, invited talks, workshops and colloquia

12th International Conference on Hydrosience & Engineering, Tainan, Taiwan. Nov. 2016. Presentation (invited speaker): Serra-Llobet A., Hermida M.A., and Gregory J., The role of green infrastructure in Urban and Peri-Urban areas in Latin American: a case study in Cuenca, Ecuador

Flood Risk 2016. 3rd European Conference on Flood Risk Management Innovation, Implementation, Integration. Lyon, France. Oct. 2016. Presentation: Serra-Llobet, A., Conrad, E., and Schaefer, K., Integrated water resource and flood risk management: comparing the US and the EU. Poster: Serra-Llobet, A., Ludy, J., Mapping flood hazard and risk: contrasting experiences in the US and the EU

Association of State Floodplain Managers, Inc. (ASFPM) 2016 National Conference. Grand Rapids, USA. Jun. 2016. Presentation: Schaefer, K., and Serra-Llobet, A., Flood risk management cycle: Catalyst for guiding agency alignment & improved flood risk management

I.S. Rivers 2015 – 2nd International Conference on Integrative Sciences and Sustainable Development of Rivers. ZABR-Graie. University of Lyon, Lyon, France. Jun. 2015. Presentation: Serra-Llobet, A. and Hermida, M.A., Cities and Rivers in Latin America: Challenges and Opportunities of Implementing Green Infrastructure in Ecuador.

Ilème Colloque de l'Association Francophone de Géographie Physique - Dynamique hydrologique et géomorphologique des cours d'eau. Aix-en-Provence, France. Jun. 2015. Presentation: Serra-Llobet A., Tàbara J.D., Sauri D., La catastrophe du barrage de Tous 1982 et les origines de la gestion des risques d'inondation intégrée en Espagne.

Graduate Symposium - Intersections of Development in Latin America: Infrastructure and Building the Modern State. Latin American History Program & Center for Latin American Studies. Stanford University, Palo Alto, US. May 2015. Presentation: Serra-Llobet, A. and Hermida M.A., The role of green infrastructure in Latin American cities: a Case Study in Cuenca, Ecuador.

2014 AGU Fall Meeting. The American Geophysical Union. Moscone Convention Center, San Francisco, US. Dec. 2014. Poster: Serra-Llobet, A., Flood Risk and Global Environmental Change: Future Perspectives.

XX SHE International Conference: Ecological Responsibility and Human Imagination – Saving the Past, Shaping the Future. Society for Human Ecology. College of the Atlantic, Bar Harbor, Maine, US. Oct. 2014. Presentation: Serra-Llobet, A. and Hermida, M.A., Green Infrastructure in Urban and Peri-urban Areas of Developing Countries: a Case Study in Cuenca, Ecuador.

Bienal Iberoamericana de Arquitectura Académica de Cuenca. Universidad de Cuenca, Cuenca, Ecuador. 4 Apr. 2014. Presentation: Serra-Llobet, A., Infraestructura verde: Arquitectura pluridisciplinar para el siglo XXI.

Natural Floodplains Functions Alliance Webinar - Online video conference. Mar. 2014. Presentation: Serra-Llobet, A. and Kondolf, G.M., Beyond the 100-year floodplain: experiences in European floodplains under the Floods Directive.

2012 AGU Fall Meeting. The American Geophysical Union. Moscone Convention Center, San Francisco, US. Dec. 2012. Oral presentation: Serra-Llobet, A., Tàbara, J.D., Sauri, D., The Tous Dam disaster of 1982: Risk communication and the origins of integrated flood risk management in Spain.

I.S. Rivers 2012 – 1st International Conference on Integrative Sciences and Sustainable Development of Rivers. Graie. University of Lyon, Lyon, France. Jun. 2012. Presentation: Serra-Llobet, A., Turning hazards into resources, and back again? State of the art in flood management strategies in the EU and the US.

Deltares seminar on flood bypasses. Deltares. Deltares, Delft, The Netherlands. 06 Jun. 2012. Presentation: Serra-Llobet, A. and Kondolf, G.M., Flood Bypasses: What do We Mean?

Short Course on Geomorphic and Ecological Fundamentals for River Restoration. National Cheng Kung University, Taichung, Taiwan. 7-9 May 2012. Presentation: Serra-Llobet, A., River restoration and green infrastructure in the EU.

3rd Seminar on Flood Policy US-EU. University of California Washington Center, Washington DC, US. 27 Jan. 2012. Presentation: Serra-Llobet, A., Kondolf, G.M. Flood Bypasses: What can we learn from recent experiences in the Mississippi and Sacramento valleys?

Seminaris científics de la Institució Catalana d'Història Natural. Institució Catalana d'Història Natural. El Prat del Llobregat, Spain. 01 Dec. 2011. Presentation: Serra-Llobet, A., La comunicació del risc en la gestió dels desastres: El cas de les inundacions.

2nd Seminar on Flood Policy US-EU. University of California Washington Center, Washington DC, US. 20 Oct. 2011. Presentation. Serra-Llobet, A., Kondolf, G.M., Floods: Some observations on risk perception, land-use, and the EU Flood Directive (Part 2).

Seminars on Adaptation to Variability: Water Management in Mediterranean Climates. An Interdisciplinary Faculty Colloquium. Institute of International Studies, University of California, Berkeley CA, US. 11 Oct. 2011. Presentation: Serra-Llobet, A., Floods: Resilience, Adaptation, and EU Policy Innovations.

1st Seminar on Flood Policy US-EU. University of California Washington Center, Washington DC, US. 3 Aug. 2011. Presentation. Serra-Llobet, A., Kondolf, G.M., Floods: Some observations on risk perception, land-use, and the EU Flood Directive (Part 1).

The Living City: Innovation and Tradition in Landscape Architecture in Europe and the Americas. Institute Beaumont. Beaumont du Ventoux, France. 11-18 Jun. 2011. Presentation: Serra-Llobet, A. The new EU Strategy for Green Infrastructure.

Water History Conference 2010. Delft University of Technology. UNESCO-IHE Delft, the Netherlands. 16-19 Jun. 2010. Presentation: Serra-Llobet, A., Saurí, D., Flood management and wetland protection in Europe and the US: A historical perspective.

2009 AGU Fall Meeting. The American Geophysical Union. Moscone Convention Center, San Francisco, US. 14-18 Dec. 2009. Poster: Serra-Llobet, A., Kondolf, G.M., Saurí, D., Risk Perception in Flood-Prone Lands of the Costa Brava, Spain.

Seminars on New Directions in Water Resources Policy and Planning Practice: Planning for Sustainable and Resilient Systems. University of California at Berkeley, Berkeley, US. 28 Oct. 2009. Presentation: Serra-Llobet, A., The Floods Directive: A new paradigm on risk management strategies in Europe.

XXI Congreso de Geógrafos Españoles: Geografía, Territorio y Paisaje - El Estado de la Cuestión. Universidad de Castilla-La Mancha, Ciudad Real, Spain. 27-29 Oct. 2009. Presentation: Serra-Llobet, A., Barriocanal C., Vila J., Zonas húmedas y cambio ambiental global: ¿Amenaza u oportunidad?

Society for Risk Analysis Europe 2009 Conference - From the Everyday to the Extraordinary: Challenges for Risk Analysis and Management. Technical Centre at Karlstad University, Karlstad, Sweden. 28 Jun. - 1 Jul. 2009. Presentation: Serra-Llobet, A., Saurí, D., Living with floods, learning from risk: climate change and floods in the Costa Brava (North-East Iberian Peninsula).

Conference on Climate Change: Global Risks, Challenges and Decisions Scientific Conference (preceding COP15). The University of Copenhagen in Cooperation with 9 other universities in the International Alliance of Research Universities (IARU). Bella Center, Copenhagen, Denmark. 10-12 Mar. 2009. Presentation: Tàbara, J.D., Serra-Llobet, A., Climate rationalisation processes and regional sustainable development. Appraising, communicating and learning from multiple frames of action.

New Methodologies and Interdisciplinary Approaches in Global Change Research. European Science Foundation. Porquerolles, France. 6-11 Nov. 2008. Presentation: Serra-Llobet, A., Saurí D., Turning hazards into resources?: Climate change, floods and coastal wetlands in the Costa Brava (North-East Iberian Peninsula).

Segón Congrés Català de Geografia: El mapa com a llenguatge geographic. Institut d'Estudis Catalans. Barcelona, Spain. 29-31 May 2008. Presentation: Badia, A., Cristòbal, J., Cunill, R., Pèlachs, A., Serra-Llobet, A., L'estudi del canvi d'usos del sòl a partir de la georeferenciació de tres fonts d'informació gràfiques dels anys cinquanta: un exemple als Pirineus de Lleida.

Sustainable Water Management in Response to 21st Century Pressures (IFAT 2008). Water Environment Federation (WEF), Japan Sewage Works Association (JSWA) and the European Water Association (EWA). Munich, Germany. 5-9 May 2008. Poster and Presentation: Serra-Llobet, A., Saurí, D., Turning hazards into resources?: climate change, floods and coastal wetlands in the Costa Brava (North-East Iberian Peninsula).

International Conference on Impact Assessment of Land Use Changes. Humboldt University, Berlin, Germany. 6-9 Apr. 2008. Presentation: Serra-Llobet, A., Barrachina, M., Serra, J.M., Land Use Change in Eastern Pyrenees: The Challenge of Multifunctionality.

Shift 07. Shift in Thinking. Perspectives of Vulnerability and Hazards Assessment. Potsdam Institute for Climate Impact Research (PIK). Einstein Science Park, Potsdam, Germany. 4-5 Oct. 2007. Presentation: Serra-Llobet, A., Saurí, D., Turning hazards into resources?: climate change, floods and coastal wetlands in the Costa Brava (North-East Iberian Peninsula).

Workshops and Shortcourses Taught

Environmental Planning Studio LA205, University of California, Berkeley. Co-instructor for workshop 'Effects of Alqueva Reservoir and the Montado Landscape. Alentejo, Portugal'. (Jan. 2015)

University of California, Berkeley, University of Évora (Portugal), University Cadi Ayyad of Marrakesh (Morocco), The National School of Architecture of Rabat (Morocco). Co-instructor for workshop 'Rehabilitation of Oued Chaâba stream and urban Safi, Morocco'. (Jan. 2015)

University of California, Berkeley and Institute for Water Resources (IWR), US Army Corps of Engineers (USACE). Co-organizer for international workshop 'Wise Use of Floodplains: Adaptation in America and Europe. Non-structural measures'. UC Berkeley, California. (Sep. 2013)

University of California, Berkeley, Catholic University of Quito, University of the Americas, and EPMAPS (Empresa Pública Metropolitana de Agua Potable y Saneamiento de Quito). Co-editor (with Crystal W. Simons) of 'Our Community's Future: Restoring the Creeks of Quito' (Aug. 2012 - Dec. 2012)

University of California, Berkeley and Institute for Water Resources (IWR), US Army Corps of Engineers (USACE). (European Union Center of Excellence Grant, 2011) Co-organizer of the international workshop on 'Wise Use of Floodplains: Adaptation in America and Europe. Structural measures'. UC Berkeley, California. (Jan. 2012 - Apr. 2012)

Research Group on Water, Land Uses and Sustainability (GRATS), Autonomous University of Barcelona, Spain. Research assistant, EU funded 'ESPON CLIMATE Project - Climate Change and Territorial Effects on Regions and Local Economies in Europe'. (Dec. 2010 - Jan 2011)

Institute Beaumont. Beaumont du Ventoux, France. Co-instructor for 'Short course on fluvial-geomorphic and ecological processes'. (Jun. 2010)

College of Environmental Design, University of California, Berkeley. Teaching assistant for 'Course on Geomorphic and Ecological Fundamentals for River Restoration Research'. Sagehen Creek Field Station near Lake Tahoe, California. (Aug. 2009)

Other Educational Experiences

University of California, Berkeley. Doctoral Visiting Scholar. Research subject: *Comparative study on flood management, water governance, and coastal wetlands between Europe and the US*. (Agència de Gestió d'Ajuts Universitaris i de Recerca Scholarship for Research Abroad, 2008). (Aug. 2009 - Jan. 2010)

Stockholm Environment Institute, Oxford, UK. Visiting Scholar. Principal subject: Work in the area of agent-based modelling. (May 2009)

Department of Business Economics, Autonomous University of Barcelona, Spain. Postgraduate Certificate in International Comparative Rural Policies Study. (2006-2007)

University of Brandon, Canada. International Comparative Rural Policy Studies Summer School (2006)

Autonomous University of Barcelona, Spain. Postgraduate in Environmental Analysis. Principal subjects: Global Environmental Change, Climate Change & Geographical Information Systems (GIS). (2004-2005)

Joensuu University, Finland. Erasmus Exchange Program. Courses: Finish Forestry, Applied Phenology, Environmental Situation in the Republic of Karelia (Russia). (2002)