

Paulina Schiappacasse

Dr. rer. nat

Geographer and Urban and Regional Planner

E-mail: paulina.schiappacasse@tu-dresden.de

Chilean-Italian

Current Position(s)

Senior Researcher and Lecturer, Dresden University of Technology / Technische Universität Dresden, Chair of Spatial Development, Faculty of Environmental Sciences, since 2005, and **Scientific Coordinator**, Dresden Leibniz Graduate School (DLGS), since 2010

Educational Background

Dr. rer. nat., Technische Universität Dresden.

Master of Science in Urban and Regional Planning, University of Chile.

Diploma in Human Settlements in Latin America and the Caribbean, University of Chile-Economic Commission for Latin America, United Nations.

Diploma in Urban Economics, Faculty of Economics, Catholic University of Chile.

Bachelor in Geography, University of Chile.

Academic and Consulting Experience

- ✓ Scientific Coordinator of the Dresden Leibniz Graduate School (DLGS), since 2010
- ✓ Senior Lecturer and Researcher. Chair of Spatial Development, Dresden University of Technology (TU Dresden), Dresden, since 2005
- ✓ Senior Lecturer, International Postgraduate Training Programme on Environmental Management for Developing and Emerging Countries, UNEP/UNESCO/BMU, Centre for International Postgraduate Studies of Environmental Management (CIPSEM), Dresden University of Technology, Dresden, since 2009
- ✓ Assistant Professor, Department of Geography, Faculty of Architecture and Urban Studies, University of Chile, Santiago de Chile, 1997-2012
- ✓ Independent consultant to the Ministry of Education for the Curricula Reform Process in Chile, 2003
- ✓ Coordinator Chilean-German University Network. University of Chile, 2000-2003
- ✓ Professor, Department of Geographical Engineering, Faculty of Engineering, University of Santiago, Santiago de Chile, 1999-2003
- ✓ Expert member of the Geography Commission to Elaborate the National University Test. Catholic University of Chile, 2002
- ✓ Professor, School of Ecotourism, Andres Bello University, Santiago de Chile, 2000-2002
- ✓ Assistant Professor, Master Program in Geography, University of San Juan, Argentina, 1999-2000
- ✓ Consultant to the Santiago Metropolitan Government for the Development of a Metropolitan Sustainable Master Plan (in the OTAS Project, conducted in coordination with GTZ), Chile, 2000-2001

- ✓ Consultant to Fulcrum Engineering Consulting, Santiago, Chile, 1997-1998. Environmental and Social Impact Assessments consulting services, including assessments, EIA reports, mitigation and planning strategies
- ✓ Consultant to “Oceano Publishing House”, Barcelona for the publication of the “Encyclopedia of Chile”, 1998
- ✓ Consultant to Montealegre and Beach Architects for the Evaluation of the carrying capacity of Andre Jarland Park in Santiago, Chile, 1997
- ✓ Consultant to the Ministry of Housing for the Precarious National Dwellings Cadaster in Chile, 1996-1997
- ✓ Assistant Lecturer, Department of Geography, Faculty of Architecture and Urban Studies, University of Chile, Santiago de Chile, 1995-1999
- ✓ Consultant to the Applied Ecology Center Consulting for the Environmental Impact Assessment of the Surire Mining Plant, Chile, 1995
- ✓ Consultant to the Gas Company of Chile and the Trans-Andean Gas Pipeline Company for identifying and assessing property rights of way, 1994
- ✓ Consultant to the Ministry of Housing for Assessing the Rural - Social Housing Development Projects in Chile, 1994
- ✓ CADE-IDEPE Engineering & Consulting. Environmental and Social Impact Assessments consulting services, including assessments, EIA reports, mitigation and planning strategies, 1993
- ✓ Consultant to GESAM-Chile and Ecology and Environment, Buffalo-USA for the environmental impact assessment of the Pangue reservoir construction in the Biobío Basin, Chile, 1991
- ✓ Researcher and Participant in the Chilean 1990/91 Expedition to Antarctica, Livingstone Island, Summer 1990/1991
- ✓ Research Assistant, Department of Geography, Faculty of Architecture and Urban Studies, University of Chile, Santiago de Chile, 1987-1994

Research Projects (since 2010)

- ✓ TRANS-URBAN-EU-China. Transition towards urban sustainability through socially integrative cities in the EU and in China-Urban-EU-China. European Union Horizon 2020, co-researcher, 2017-2020
- ✓ Management of Mineral Resource extraction in Hoa Binh Province. A contribution to Sustainable Development in Vietnam. Financed by the Federal Ministry of Education and Research, Germany., co-researcher, 2014-2017
- ✓ Advanced manufacturing – why the city matters. Perspectives for international development cooperation. Chair of Spatial Development/German National Academy of Science and Engineering (acatech) for GIZ/BMZ, co-researcher, 2014
- ✓ Urban and regional resilience – a practical assessment. Chair of Spatial Development, Dresden University of Technology, Project Coordinator, 2013-2014
- ✓ Analyzing and comparing local climate change adaptation strategies in metropolitan areas - what can we learn? Chair of Spatial Development, Dresden University of Technology, Project Coordinator, 2012-2013

- ✓ Climate change adaptation. Comparison of local climate change adaptation approaches. Chair of Spatial Development, Dresden University of Technology, Project Coordinator, 2010 - 2011
- ✓ Urban resilience. Cities' reaction on changes. Chair of Spatial Development, Dresden University of Technology, Project Coordinator, 2009-2010

Experience in International Academic Cooperation

- ✓ Germany-Slovakia (University of Bratislava). Joint Master Seminar Program and student exchange. Topic: Urban revitalization in Bratislava. May 2018
- ✓ Germany-Japan (Nagoya University). Joint Master Seminar Program and student exchange. Topic: Urban development and Environmental Risk Management. The case of Tsushima, Japan. September 2016
- ✓ Germany – Latvia (University of Latvia.) Joint Master Seminar Program and student exchange. Topic: Demographic Change and Urban Development in European countries: New Challenges ahead. August 2014 and August 2015
- ✓ Germany-Turkey (Ankara University). Joint Master Seminar Program and student exchange. Topic: Cities on the way to sustainability. Sungurlu, Turkey. May, 2013
- ✓ Germany – Vietnam (National University) Joint Summer School on Environmental Planning, Land Use and Monitoring. Hanoi, October 2011
- ✓ Germany-Slovakia (Slovak Technical University). Joint Summer School: A metropolis with a green heart y. Bratislava, July 2009
- ✓ Germany–USA (The Ohio State University, Columbus, Ohio), long-term cooperation and student exchange (joint student projects). 2005 to 2012
- ✓ Chilean-German University Network (in cooperation with GTZ). Coordinator of a postgraduate training course on Planning for Metropolitan Areas, Santiago de Chile. August 2002
- ✓ APRU (Association Pacific Rim Universités). Participation III Meeting organise by UCLA, California and Peking University. August 2001

Publications (since 2010)

- ✓ Schiappacasse, P., B. Müller, L.T. Le., P. Wirth. 2018. Mining aggregates in fast growing economies. Addressing barriers to environmental policy implementation in Vietnam (forthcoming)
- ✓ Schiappacasse, P., B. Müller, L.T. Le. 2018. Towards responsible aggregate mining in Vietnam. The case of Hoa Binh Province, Vietnam (forthcoming)
- ✓ Schiappacasse, P. 2017. Operationalizing urban resilience. Learning from the pas while preparing for the future. The case of Dresden, Germany (forthcoming)
- ✓ Schiappacasse, P., B. Müller. 2017. One fits all? Resilience as a multipurpose concept in regional and environmental development (forthcoming)
- ✓ Schiappacasse, P., B. Müller. 2017. Scoping gaps and opportunities for research and cooperation on urban and regional resilience – Bridging up the advantages of research cooperation (forthcoming)
- ✓ Schiappacasse, P., B. Müller. 2016. Green Infrastructure as a Source of Urban and Regional resilience – Towards Institutional Challenges. Urbani izziv 26 [Online]

- ✓ Müller, B., P. Schiappacasse. Advanced manufacturing – why the city matters. Perspectives for international development cooperation. In: Müller, B., O. Herzog. Industry 4.0 and urban development. The case of India. acatech Materialien, 2015.
- ✓ Müller, B., P. Schiappacasse. 2015. Was heißt hier resilient?! LandInform 2/2015:14-15.
- ✓ Müller, B., P. Schiappacasse, A. Otto. 2014. Demographic Change and Spatial Planning in Germany – Aging as a Challenge or an Opportunity. Korea Research Institute for Human Settlements (KRIHS).
- ✓ Schiappacasse, P. Urban and Regional Resilience. 2014. A review of scientific contributions in environmental sciences. Chair of Spatial Development, Dresden University of Technology. Working Paper.
- ✓ Schiappacasse, P., B. Müller, A. Otto. 2012. The Challenge of Intercontinental Scholarly Exchange. Lessons from Dresden - Columbus Program on Sustainable Development. Chair of Spatial Development, Dresden University of Technology. Working Paper. [Online]
- ✓ Schiappacasse, P., B. Müller. 2012. Metropolitización y políticas de planificación. Un desafío para Santiago de Chile. Revista Urbano 25:31-42. Concepción, Chile.
- ✓ Schiappacasse, P. 2011. Resilience as an operational framework to cope with uncertainty and change in the city-region. Chair of Spatial Development Dresden University of Technology. Working paper

Presentations/Participation in Congresses and Workshops (since 2010)

- ✓ Schiappacasse, P. 2018. Inclusive cities and sustainable urbanization – discussions from Europe and China. Leibniz Conference on Sustainable Development Goals. Parallel Session on Sustainable cities and communities, Berlin, September 14
- ✓ Schiappacasse, P. 2018. Towards the socially integrative city: inputs from literature and policy review. Trans-Urban EU-China Meeting Workshop on Theoretical aspects of transition towards urban sustainability and the role of the socially integrative cities, Beijing, September 6.
- ✓ Schiappacasse, P. 2018. La economía naranja. Perspectivas para un desarrollo sustentable. XVI Seminario Urbanismo Internacional: Ciudad creativa, Ciudad de México, 16-20.
- ✓ Schiappacasse, P. 2018. Regional planning for aggregate mining in fast growing countries. The Case of Hia Binh Province, Vietnam. Humboldt Kolleg in Indonesia. Jakarta, July 25 2017
- ✓ Schiappacasse, P. 2017. Regional planning for aggregate mining in fast growing countries. The Case of Hia Binh Province, Vietnam. Humboldt Kolleg in Indonesia. Jakarta, July 25 2017
- ✓ Schiappacasse, P. 2017. Business Policy Interface (BPI) as a Platform for the Responsible Management of the Extraction of Aggregates: The Case of Hoa Binh Province, Vietnam. Dresden Nexus Conference. Dresden, May 17, 2017
- ✓ Schiappacasse, P. 2017. Resilience to environmental risk in the Andean Piedmont. The case of Santiago de Chile. International Congress on Green Urban Futures. Mountain and the City. New Delhi, 9-10 February 2017
- ✓ Schiappacasse, P. 2016. Development of a Business Policy Interface (BPI) for the sustainable management of aggregates 'extraction. Workshop on Smart City-Regional Governance for Sustainability - Experimental Smartness. Dresden, Germany, October 6, 2016
- ✓ Müller, B., P. Schiappacasse. 2016. Business-Policy Interface as a discussion platform for promoting the sustainable management of aggregate's extraction. MAREX PROJECT

- Workshop: Management der Gewinnung mineralischer Ressourcen in der Provinz Hoa Binh – Ein Beitrag zur nachhaltigen Entwicklung in Vietnam. Dresden, Germany June 27, 2016
- ✓ Schiappacasse, P. 2015. Urban and regional resilience- scoping gaps and opportunities for research. Open Seminar: Towards sustainability and resilient urban planning. Nagoya, October 25, 2015
 - ✓ Schiappacasse, P. 2015. Planning green infrastructure as a source for urban and regional resilience – institutional challenges. Spa-ce.net Conference on Green Infrastructure. Ljubljana, Slovenia, September 28, 2015.
 - ✓ Schiappacasse, P. The importance of natural aggregate mining industry for regional development and the need for cooperation. MAREX Workshop (Management of Mineral Resource Extraction) in Hoah Binh Province. A contribution to Sustainable Development. Hoah Binh, Vietnam, October 22, 2014
 - ✓ Müller, B., P. Schiappacasse. Industry 4.0. Why the city matters. Perspectives for international development cooperation. acatech/INAE Symposium, New Delhi, India, September 4, 2014.
 - ✓ Schiappacasse, P. Urban and Regional Resilience: what can we learn from the literature? Spa-ce.net Conference on Urban Resilience. Bratislava, Slovakia, September 16, 2014. [Online]
 - ✓ Schiappacasse, P. Urban and regional resilience. The opportunities of the Dresden Leibniz Graduate School. Korea Environment Institute, August 25, 2014.
 - ✓ Müller, B., P. Schiappacasse. Research and policy advice for the sustainable development of cities and regions. Regional adaptation to climate change. Korea Environment Institute, August 25, 2014.
 - ✓ Panelist in the Binational Forum Colombia-Germany: El ordenamiento Territorial, instrumento para el desarrollo y la integración regional en países diversos y dinámicos. Bogotá, Colombia, May 20, 2014. [Online]
 - ✓ Guest Lecture on “Demographic Change and Urban Development in European countries: New Challenges ahead. Faculty of Geography and Earth Sciences, University of Latvia. Riga, April 11, 2014. [Online]
 - ✓ Panelist in 11th urban shift: moving beyond neighbourhood: social, cultural and communicative challenges of depopulation. Moderated discussion upon the case of Avoti neighbourhood, Riga. Organized by Urban Institute, Riga and supported by Goethe Institute Riga, Latvia, April 9, 2014. [Online]
 - ✓ Schiappacasse, P. 2014. Beyond Fuzziness – Approaches to Urban and Regional Resilience. Keynote speaker in DLGS International Conference Resilience in Urban and Regional Development. From Concept to Implementation. Berlin, March 28, 2014. [Online]
 - ✓ Schiappacasse, P. Cities on the way to sustainability. The case of Sungurlu, Turkey. Presentation of final results. Workshop organized by the Municipality of Sungurlu, Ankara University and TU-Dresden. Sungurlu, Turkey. May 24, 2013
 - ✓ From Sustainability to Resilience. A Paradigmatic Turn? 2013. Workshop on Sustainable Urban development in Times of Demographic and Climate Change. German Science Days in Kyoto organized by the German Research and Innovation Forum-Tokyo. Kyoto, October 25. [Online]

- ✓ Schiappacasse, P. Mining contribution to regional development. The Chilean cluster experience. Joint Workshop on Capacity Building for Environmental Protection and management in the Mineral Processing and Mining Areas. Hoa Binh Province, Vietnam. November 26, 2013
- ✓ Schiappacasse, P. Urban and Regional Resilience – Managing Change for Sustainable Urban and regional Development. Introductory Lecture for DLGS 2012. Dresden, March 7, 2012
- ✓ Schiappacasse, P. Environmental Planning, Land Use Change and Monitoring. Guest Lecturer in Summer School organized by Hanoi University of Science and the Leibniz Institute of Ecological Urban and Regional Development. Hanoi, Vietnam, October 10-14, 2011
- ✓ Müller, B., P. Schiappacasse. Climate Change – A new challenge for Urban and Regional Planning and Development. International Conference on Environmental Planning, Land Use Change and Monitoring. Organized by Hanoi University of Science and the Leibniz Institute of Ecological Urban and Regional development. Hanoi, Vietnam, October 14, 2011
- ✓ Müller, B., P. Schiappacasse. Urban and regional resilience: More than a dazzling term? Reflections on Current International Debates and the German Experience. Governance and Sustainability Annual Lecture. London, University of Westminster, April 7, 2011

Refereeing of Projects and Papers

Evaluator of projects and papers for the following institutions and journals:

- ✓ Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT-CHILE)
- ✓ Revista Notas de Población. CELADE-División de Población de la CEPAL. Economic Commission for Latin America and the Caribbean (ECLAC)
- ✓ Journal of Building Research and Information, London
- ✓ Revista de Ciencias Sociales. Departamento de Ciencias Sociales de la Universidad Arturo Prat Iquique, Chile.
- ✓ Raumforschung und Raumordnung (RuR) / Spatial Research and Planning. Akademie für Raumforschung und Landesplanung (ARL), Hannover

Languages

Spanish	Mother tongue
English	Fluent in Writing and Speaking
German	Advanced in Writing and Speaking
Italian	Advanced in Writing and Speaking

Dresden, January 2019

Dr. Paulina Schiappacasse