

PERSONAL INFORMATION	Name: Drielli Peyerl
	Current Position: Researcher (University of Amsterdam, The Netherlands) and Collaborating researcher (Institute of Energy and Environment - University of São Paulo, Brazil).
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	Place & Date of Birth: Rio Negrinho (Santa Catarina State, Brazil), 26 April 1985
	Languages: Portuguese (Native), English (Advanced), Spanish (Advanced), Dutch (Basic)
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WORK EXPERIENCE

Researcher (09/2022 – Current)	Faculty of Science, University of Amsterdam. Energy Transition through the Lens of Sustainable Development Goals (ENLENS), Research Priority Areas. I am responsible for developing new methodologies to assess synergies and trade-offs of Sustainable Development Goals in relation to the energy transition.
Lecturer (09/2023-Current)	<ul style="list-style-type: none"> Institute of Energy and Environment, University of São Paulo. Course: Energy transition & Sustainable development (120 hours per year). Master and PhD level.
Lecturer (07/2019-12/2022)	<ul style="list-style-type: none"> Institute of Energy and Environment, University of São Paulo. Course: Energy transition: history and perspectives (120 hours per year). Master and PhD level. Institute of Energy and Environment, University of São Paulo. Course: History of Natural Resources and Environmental Impacts (30 hours per year). Master and PhD level. Institute of Energy and Environment. University of São Paulo. Course: Energy transition and Environment (30 hours per year). Undergraduate level. Polytechnic School, University of São Paulo. Course: History of Technology (30 hours per year). Undergraduate level.
Young Investigator (01/2019-09/2022)	Responsible for the energy transition, decarbonization, innovation, science and technology studies at the Research Centre for Greenhouse Gas Innovation (RCGI) and the University of São Paulo, financed by São Paulo Research Foundation (FAPESP). This position is awarded to highly qualified young researchers after a competitive and rigorous selection by FAPESP to implant new study lines and establish them rapidly as independent researchers.
Visiting Researcher (11/2021-12/2021)	Institute for Advanced Studies on Science, Technology and Society. Graz University of Technology, Austria. The project aimed to investigate government policies and strategies for alternative fuels in the transport sector in developing countries.
Postdoctoral Researcher (12/2017-12/2018)	Institute of Energy and Environment, University of São Paulo, Brazil. The activities focused on building environmental impact assessment and social frameworks for carbon capture and storage activities in the context of the low-carbon energy transition.
Residential Fellow (09/2017-11/2017)	Linda Hall Library, United States. The project investigated the appropriation, usage and exploration of natural and energy resources in South American countries.
Visiting Scholar (08/2015-07/2016)	History Department. Oklahoma State University, United States. The activities focused on the role of the oil and gas industry in the energy transition context.
Postdoctoral Researcher (07/2014 - 06/2017)	Department of Scientific and Technological Policy, Institute of Geoscience, University of Campinas, Brazil. The activities focused on how technological advances have transformed Brazil's oil and gas industry.

EDUCATION AND TRAINING

PhD in Science (2010-2014)	Institute of Geoscience. University of Campinas, Brazil. The work focused on the scientific and technical development of petroleum exploratory research and the investigation of the growing internal energy demands and the expansion of the petroleum industry in Brazil between 1864 and 1968, applying the actor-network theory.
M.S. in Territory management (2008-2010)	Ponta Grossa State University, Brazil. The work focused on the scientific and technical development of the Brazilian oil industry (Petrobras).
Geography B.A. Degree (2009-2012).	Ponta Grossa State University, Brazil. Relevant coursework: economic and political geography, climatology, geostatistics.
B.A. in History (2004-2007)	Ponta Grossa State University, Brazil. Relevant coursework: science and technology studies, economic and political history.

AWARDS

Young Investigator Grant	São Paulo Research Foundation - FAPESP (01/2019–09/2022)
Postdoctoral Fellowship	Research Centre for Greenhouse Gas Innovation/Shell/FAPESP (12/2017-12/2018)
Residential Fellowship	Linda Hall Library (09/2017-11/2017)

Postdoctoral Fellowship	São Paulo Research Foundation - FAPESP (07/2014-07/2016)
PhD scholarship	São Paulo Research Foundation - FAPESP (03/2010-02/2014)
Master's Degree scholarship	CAPES (10/2008-02/2010)

EXPERIENCE AND PERFORMANCE

Key research interests	Energy transition, sustainable development, hydrogen economy, technological learning and innovation in energy systems, low-carbon technological advances to the oil and gas industry, renewable energy, and public policies.
Recent results	<ul style="list-style-type: none"> • Develop sustainable development methodologies for the green hydrogen value chain. • Development of economic model cost for green hydrogen production and storage in the Brazilian electric power sector. • Investigate the potential of using depleted offshore gas fields in Brazil for hydrogen storage. • Integral insights to enhance and promote policies to accelerate the energy transition in developing countries in conjunction with sustainable development goals. • Applying an economic model of cost to the use of small-scale liquefied natural gas for fluvial transport in isolated systems • Investigate the potential and barriers of carbon capture and storage technology through the social perception, governance, innovation, socio-technical system and input-output model. • Delivering innovative strategies to the oil and gas industry to reduce greenhouse gas emissions, investigating CO₂ storage potential of offshore oil and gas fields in Brazil; risk assessment and management of CO₂ geological storage; strategies and challenges to develop the natural gas market, and integrating renewable energy technologies in its portfolio. • Developing low-carbon strategies to replace fossil fuels with alternative fuels in the Brazilian and European transport sectors.
Skills/Tools/Frameworks	<ul style="list-style-type: none"> • Sustainable Development Methodologies. QGIS software. Statistical analysis. Economic (Costs) model. Socio-technical system. Innovation system. Technology assessment.
Publications	Articles: 52 (published); 4 (submitted); 2 (in process of submission). Books: 10 (published). Book Chapters: 56 (published). Full papers: 30 (published in conference proceedings). Expanded abstracts: 19 (published in conference proceedings). Abstracts: 90 (published in conference proceedings).
Presentations	85 presentations and posters presentations at international and national conferences, scientific meetings, and workshops.
Supervision	Ongoing: 4 PhDs; 3 Master's students. Concluded: 1 PhD; 5 Master's degrees; 18 Undergraduates.
Projects	<ul style="list-style-type: none"> • Energy Transition through the Lens of Sustainable Developments Goals (ENLENS). Researcher. (Since 09/2022). Research Priority Areas of University of Amsterdam. • Social perception and science diplomacy on technology transitions towards a low-carbon society. Researcher. (Since 09/2021). Financed by RCGI and FAPESP. • Transitions in the history of energy: development and new perspectives on natural gas in Brazil. Principal Investigator. (Since 01/2019-09/2022). Financed by FAPESP. • Evaluation of the environmental impact of carbon capture and storage (CCS) activities in Brazil. Researcher. (12/2017-08/2021). Financed by RCGI and FAPESP. • Research and development in non-conventional gas of Brazil. Researcher. (12/2020-05/2021). Financed by RCGI and FAPESP. • Evaluation of small LNG and CNG supply options for transportation to off-grid locations; and planning expansion and operation of multimodal integrated networks. Coordinator. (11/2019-12/2020). Financed by RCGI and FAPESP. • Integrated sustainability analysis of natural gas as a transportation fuel in heavy-duty vehicles: the Paulista blue corridor. Researcher. (12/2017-09/2019). Financed by RCGI and FAPESP.
Additional Information	<ul style="list-style-type: none"> • Experience: Coordinating teams of over ten researchers, preparing and editing reports and projects, and organizing events. • Guest Lecturer in several universities: IFP Energies Nouvelles - IFP School, University of São Paulo, University of Missouri/Kansas City, Oklahoma State University, University of Campinas. • 40 invited talks and interviews (e.g., University of Tokyo, University of Zurich, University of Campinas, Financial Times, New Energy Academy (The Netherlands), Shell Global). • Summer school: 'Energy law, policy, planning and governance', University of Groningen and Energy Systems in Transition Innovation (ENSYSTRA), The Netherlands, 2019. • Adjunct Editor: Ambiente e Sociedade Journal. Reviewer: Sustainability, Energies. AAPG Book, Brazilian Geographical Journal; International Journal of Global Warming; Horizonte Científico; História Econômica & História de Empresas; Oficina do Historiador; Caminhos de Geografia; Educação; ENERLAC, Kronos, Energy Engineering, among others.