

Julie Metta

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Website: <https://juliemetta.net/>

Driving license, Married, 2 kids (2021, 2024)

Sabbatical periods for family support:

- 2021 – 5 months 100%
- 2024 – 3 months 100% + 4 months 50%
- 2025 – 6 months 100% + 2 months 50%

Education

2019-2023: PhD in Economics, Faculty of Business & Economics, HIVA - Institute for Work and Society, Cedon - Center for Economics & Corporate Sustainability, KU Leuven (BE)

Dissertation: The human aspects in the transition towards the circular economy
<https://lirias.kuleuven.be/4121058&lang=en>

Supervisors: Dr Kris Bachus (KU Leuven) & Prof. Sandra Rousseau (KU Leuven)

Defence Committee: Prof. Sophie Bernard (Polytechnique Montréal); Prof. Johan Eyckmans (KU Leuven); Prof. Elena Verdolini (University of Brescia & RFF-CMCC EIEE, EMCCC); Prof. Sareh Vosooghi (KU Leuven); Prof. Siegfried De Witte (KU Leuven)

2011-2014 : M.Sc. Climate and Energy Engineering, INSA Strasbourg, France

Work Experience

2025-Now: MSCA Post-Doctoral Researcher – USMB (FR) & ZHAW (CH) & TiU (NL)

2023-Now : Senior Research Associate (voluntary) – HIVA, KU Leuven (BE)

Policy projects, Prospection, Teaching & Master supervisions

2023-2025 : Post- Doctoral Researcher – TiSEM, Tilburg University (NL)

Developing CGE models integrating material balances in Python

Teaching and supervising students

2019-2023 : Junior Researcher – HIVA, KU Leuven (BE)

Policy projects

2022: Visiting researcher, Polytechnique University of Montreal, Montréal (CA)

Invited by Prof. Sophie Bernard

2019: Visiting researcher, ifo, Leibniz Institute for Economic Research, LMU, Munich (DE)

Invited by Prof. Karen Pittel

2017-2019: Research Assistant, School of Energy and Environment, City University of Hong Kong (HK)

2015-2017 : Scientific Officer - Consulate General of France in Hong Kong&Macau (HK)

*Promote France-Hong Kong scientific partnerships & Scientific watch over France and Hong
Creation and management of the consulate's science events (+300 events)*

2014-2015 : New Energy Project Research Engineer - COFELY Services (GDF), Lille (FR)

Feasibility study and designing of water storage systems

2013 :Visiting student, ENSAT, Ecole National des Sciences Appliquées, Tanger (MA)

Invited by Prof. Lofti Chraïbi

Teaching

2025: ZHAW - Politics and Governance Graduate program in Circular Economy Management
2024 : Tilburg University - Writing skills for policy makers, Graduate program in economics
2022-2023 : KU Leuven - Environmental Economics, Graduate program in economics
2021-2022 : KU Leuven - Dynamic Methods, Advanced graduate program in economics
2020-Now: CIFE - Circular Economy: towards sustainable supply chains, Graduate program in Global Energy Transition and Governance
2018-2021: University of Montreal/EDDEC Institute - Circular Economy Summer School, Graduate summer school
2019: City University of Hong Kong - Scientific Writing and Communication, Graduate program in Energy and Environment
2018-2019 : Arizona State University & City University of Hong Kong - Urban Sustainability in Hong Kong, Graduate summer school in Energy and Environment Policy

Research

Journal Articles

“Integrating citizen’s perspectives in urban mobility decarbonization: Lessons from Tallinn and Skopje” - with A. Horton & M. Feenstra, **2026**, Case Study in Transport Policy, <https://doi.org/10.1016/j.cstp.2026.101827>

“Socio-economic and resource effects of a circular value chain for clothing” - with S. Rousseau, K. Bachus., **2025**, Ecological Economics <https://www.sciencedirect.com/science/article/pii/S0921800925001089>

“Towards circular consumer behavior: Analysis of discount schemes on coffee cup use” with S. Rousseau. **2025**, Journal of Environmental Management <https://www.sciencedirect.com/science/article/pii/S0301479725000313>

“Circular Entrepreneurship via Makerspaces Towards Fostering Sustainable Cities: A Mixed-Method Approach with Case Studies” with N. Premyanov, M. Angelidou, N. Tsoniotis, C. Politis, E. R. Athanasiadou & A. C. Tsolakis, **2024**, The Circular Economy Journal <https://circulareconomyjournal.org/articles/circular-entrepreneurship-via-makerspaces-towards-fostering-sustainable-cities-a-mixed-method-approach-with-case-studies/>

“Circular makerspaces as alternative employment platforms for circular jobs” with A. C. Tsolakis, A. Coskun, R. Hofgärtner, A. Schmidt, **2024**, Circular Economy & Sustainability <https://link.springer.com/article/10.1007/s43615-024-00413-2>

“Challenging conventional narratives on trade unions' attitudes towards decarbonisation - a case-based analysis” -with A. Guisset, T. Van Overbeke, K. Bachus. K. Lenaerts, **2024** – Négociations, <https://shs.cairn.info/revue-negociations-2024-1-page-63?lang=fr>

“Make it a circular city: experiences and challenges from European cities striving for sustainability through promoting circular making” with A. Coskun, Y. Bakırlioğlu, D. Çay & K. Bachus, **2022**, Resources, Conservation & Recycling, <https://doi.org/10.1016/j.resconrec.2022.106495>

“Potentials and opportunities towards the low carbon technologies – From literature review to new classification” -with Y. An, H. Zheng, L. Zhang, 2019 Critical Reviews in Environmental Science and Technology <https://doi.org/10.1080/10643389.2019.1642834>

Papers submitted

"Barriers, motivations, and the path to gender parity in the maker communities" with E. Botchway, L. Thil, S. DeWitte, J. Verpooten (Resubmitted after Minor revisions in Nature: Humanities and Social Sciences Communications)

"Waste Trading System: managing waste with high population density and low sorting rate" with C. Metta-Versmessen (R&R in Revue Francaise d'Economie)

"Strategic collaboration through repair alliances: developing human capital for a circular society" with A. Dunne & R. Hofgärtner (R&R in Journal of Environmental Management)

"The Just Transition and Circular Economy in (renewable) energy systems: Concepts, Implications and Involved Parties" with A. Trueworthy, I. Withouck, M. Kumar & N. Isaksson (R&R in Energy Research & Social Science ERSS)

"Mobility Gini: distributional effects of transportation policies" with A. Rangel Guevara & A. Pommeret (Submitted in JEEM)

"Circular Economy Acts need pathways, not just targets" with M. Geissdoerfer (Submitted in Journal of Industrial Ecology)

Working Papers

"Pay Up or Pile Up: Willingness to Pay for Waste Collection Services in Conakry" – with M. Saliou Barrya, A. Creti, K. Lobob, & C. Metta-Versmessen, 2026, ICTD Working Paper 237, Brighton: Institute of Development Studies, <https://doi.org/10.19088/ICTD.2026.008>

"Effects of the human capital in circular economy on sustainable growth" with S. Rousseau & L. Zhang, 2025, KULeuven working paper

"Waste Trading System: managing waste with high population density and low sorting rate" – with Coline Metta-Versmessen, 2024, FAERE Working Paper, WP2024.03 ISSN 2274-5556

"Mobility Gini: distributional effects of transportation policies" – with Andrea Rangel Guevara and Aude Pommeret, 2023, Irege Working Paper

"Reducing the footprint of tourist transportation within an island context: readiness and emission abatement" – with Carla Doncescu, S. Mathouraparsad, S. Regis, 2023, BIVEC-GIBET Transport Research Days 2023.

Work in Progress

"Integrating material intensity into CGE models: Assessing the effects of EU Green Deal policies on world resources management & climate change" with C. Brink, R. Gerlagh, E. Lorang & X. Li

"Trade and Circular Economy: labour allocations and geopolitical tensions" with S. Bernard

"Labour in the Circular Economy: a catalyst towards sustainable growth" Single author

"Rethinking the sustainability of ownership models through lifestyle and ecosystem changes" with D. Corbier

"Circular Economy: Analytical definitions for economists" with R. Gerlagh & C. Ranocchia

"Rebound reconsidered through a social lens: When circularity helps" with B. Lowe

"Circular Economy Acts need pathways, not just targets" with M. Geissdoerfer

"Circular Economy laws in the world" with R. Bucher & P. Castro

"Fair Repair: Unequal liquidity constraints and access to circular goods" with A. Pommeret

Policy reports

“Enhancing knowledge and skills for a repair society: Exploring the role of repair alliances” with A. Dunne & R. Hofgärtner, 2025, CE Center publication n°39 [Link](#)

“Methods to Enrich CGE Models with Circular Economy (CE) Mechanisms Relevant to Climate Change” with R. Gerlagh, E. Lorang, 2024, Circomod HEU project 101056868

“Building capacities and strategies of trade union involvement in shaping a just transition towards a sustainable and decarbonised industry”, with A. Guisset, Y. Vereycken, T. Van Overbeke, K. Bachus, R. Hofgärtner, K. Lenaerts & L. Meylemans, 2022, IndustriALL, [Link](#)

“Thinking beyond borders to achieve social justice in a global circular economy”, with Y. Lembachar, J. Marsden, A. von Schwerdtner, K. Bachus, 2022, Circle Economy - [Link](#)

“Fiscal treatment and market trends of pickup trucks in Belgium” with R. Hofgärtner, K. Bachus, 2022, Leuven: HIVA. [Link](#)

“Putting circular textile into work – The employment potential of circular clothing in the Netherlands”, with N. Papú Carrone, L. Sosa Lagunes, H. Van Duijn, J. Wilting, T. Goesaert, K. Bachus, 2021, Circle Economy - [Link](#).

“Mapping the circular maker movement: from a literature review to a circular maker passport (Deliverable 2.1).” with K. Bachus, 2020, Leuven: Pop-Machina project 821479 – H2020 - [Link](#).

Accepted presentations in peer-reviewed conferences

2026: Dutch Association of Environmental and Resource Economists (DAERE), Belgium Environmental Day (BEED), Envecon (UKNEE), Leuven Summer Event; European Society for Ecological Economics (ESEE), French Economic Association (AFSE), Conference on Sustainable Resource Use and Economic Dynamics (SURED), Journées de Microéconomie Appliquée (JMA), Circular Economy Interdisciplinary Conference (CEIC), International Sustainability Transitions Conference (IST26), French Association of Environmental and Resource Economists (FAERE)

2025: European Association of Environmental and Resource Economists (EAERE), Latin American Association of Environmental and Resource Economics Congress (Bogota), the Stavanger New Mobilities workshop (Stavanger), the Southern Economic Conference (New Orleans), French Association of Environmental and Resource Economists (FAERE), Dutch Association of Environmental and Resource Economists (DAERE), Association Française d'Economie des Transports (AFET)

2024: European Association of Environmental and Resource Economists (EAERE), Conference on Sustainable Resource Use and Economic Dynamics (SURED), French Economic Association (AFSE), French Association of Environmental and Resource Economists (FAERE), Dutch Association of Environmental and Resource Economists (DAERE), Swiss Workshop on Environmental, Resource & Energy Economics (SEREE)

2023: EAERE, AFSE, FAERE, Journées de Microéconomie Appliquée (JMA), Belgium Environmental Economics Day (BEED)

2022: EAERE, AFSE, Wageningen University Research CE workshop (WUR), Italian Association of Environmental and Resource Economists (IAERE), French Association of Environmental and Resource Economists (FAERE), Canadian Society for Ecological Economics (CANSEE), X Conference of the Spanish-Portuguese Association of Natural and Environmental Resource Economics (AERNA), Belgium Environmental Economics Day (BEED)

2021: European Association of Environmental and Resource Economists (EAERE), World Conference on Natural Resource Modeling (WCNRM), French Association of Environmental and Resource Economists (FAERE), FAERE Workshop

2020: French Association of Environmental and Resource Economists (FAERE), Belgium Environmental Economics Day (BEED)

2019: French Association of Environmental and Resource Economists (FAERE)

Invited presentations:

2026: Cired, KULeuven, USMB, ETH (brown bag)

2025: Tilburg University, ZHAW (x3), Scarcyclet ANR

2024: Circomod, Sheffield University

2023: Tilburg University, Scarcyclet ANR, CIRANO, CIREQ, Paris Dauphine

2022: Scarcyclet ANR, LIAS workshop, RRECQ, HEC Montreal, McGill, Polytechnique Montréal, University of Montreal

2021: Michelle SBO project, University of Warsaw, IndustriALL

Attendance in summer schools

2023: EAERE-ETH European Winter School, Ascona (CH)

2022: KUL ECORES Summer School on ‘Social behaviour and public policy’, Leuven (BE)

2021: Ecolab Economic Foundations for Energy and Climate Policies, Madrid (ES)

Research project

2025-now: DECEP - Distributional Effects of Circular Economy Policies: a CGE-based framework for redistribution – HEU MSCA – *Main researcher*

2024-now: Prick - Pollution plastique: l'illusion de l'économie circulaire ? – French ANR (2024-2028) – *International researcher affiliated*

2024-now: ARO-UJ Reclaiming Praxis Network: A University – Civil Society Collaboration Advancing Environmental, Social, and Economic Justice and Sustainability - University of Johannesburg (2024-2027) – *International researcher affiliated*

2024-now: UnaVEx Virtual exchange for high-quality sustainability education - UNA Europa (2024-2027) - *Researcher*

2023-now: Circomod Circular Economy Modelling for Climate Change Mitigation – EU HEU n° 101056868 (2022-2026) - *Post-doctoral Researcher*

2023-now: Environmental Tax for Waste Management in Guinea: The Role of Mobile Money in Collecting Environmental Tax – Institute of Development Studies (UK) (2023-2025) - *Researcher*

2022-2025: CE Center – Support Center for Circular Economy in Flanders CE Center: enhancing skills for a repair society

2021-2025: Scarcyclet Material scarcity and recycling in the energy transition – French ANR (2021-2025) – *International researcher affiliated*

2020-2022: Building Capacities and Strategies of Trade Union Involvement in shaping a Just Transition towards a Sustainable and Decarbonised Industry – IndustriALL - *Researcher*

2020-2021: Putting circular textile into work – The employment potential of circular clothing in the Netherlands - The Circle Economy – *Researcher*

2019-2023: Pop-Machina: Circular Maker Movement – EU H2020 Project - *Coordinator member and researcher (Ph.D. student)*

2017-2019: Circular Economy – Modelling economic impacts of waste valorisation - The City University of Hong Kong - *Researcher*

Awards and project fundings

2027-2030: Carbon Border Adjustment Mechanisms and the Future of Climate Multilateralism - Swiss Network for International Studies CHF 271'447

2025-2028: Distributional Effects of Circular Economy Policies: a CGE-based framework for redistribution (DECEP) – HEU MSCA Postdoctoral fellowship EUR 300 772,96 [Link](#)

2025-2031: Act! Accelerating the Circular Transition: A new Paradigm for Society, NWA-ORC 2023, NWA.1630.23.015project EUR 6 700 000, Tilburg Univeristy, The Netherlands

2023-2025: Environmental Tax for Waste Management in Guinea: The Role of Mobile Money in Collecting Environmental Tax, GBP 25,000 Institute of Development Studies (UK)

2022: Visiting Scholar grant, CAD 6,000 Mitacs, Montreal University

2022: Visiting Scholar grant, EUR 1,200 ASL, KU Leuven

2021-2024: ANR ScarcylET: EUR 570,000 Scarcity & recycling in the energy transition

2019-2023: PhD full Fellowship, EU H2020 Pop-Machina, KU Leuven, Belgium

2018: Outstanding Academic Performance Award The City University of Hong Kong

Service to the academic community

Referee services: HEU COST Actions (x2); Advanced Sustainable Systems (x1); Journal of Applied Economics (x1); Environmental & Resource Economics (JEARE) (x3); Resource and Energy Economics (REE) (x2); Environment, Development and Sustainability (ENVI) (x4), Environmental Psychology Research (x2), Environmental Policy and Governance (x1); Resource, Conservation & Recycling (x3); Circular Economy & Sustainability (x2); City & Environment Interactions (x2); RRECQ (x2); Revue Organisation & Territoires (x1), Sustainability (MDPI) (x8)

Co-Editor of the Virtual Special Issue in Business Strategy and the Environment on Circular Economy Acts with Martin Geissdoerfer and Julian Kirchherr (Forthcoming 2027)

Coordinator Pop-Machina Project (2020-2023)

Organiser 1) CEE-minar (Circular Economy for Economists Seminars) with RRECQ (Starting in Fall 2026) 2) Circular Economy workshop x2 (Leuven, 2024; Lisboa, 2026)

Committee member: FAERE (2025-Present), FAERE Doctoral workshop (2026-Present); EAERE sustainability committee (2022-2025), RRECQ (2022-Present)

Elected representative: FAERE; Graduates (INSA 2012-2014), PhDs (CityU 2017-2019), Employees (HIVA 2020-2022)

Member of Ph.D. Jury

2026: Leticia Magalar Martins de Souza - Federal University of Rio de Janeiro, Department of Energy - Doctor of Energy Planning – Dissertation: *The limits and potentials of circular economy policies in low carbon scenarios: a global integrated assessment perspective*

2024: Qiuzhen Ren - Ghent University, Department of Economics - Doctor of Business Economics – Dissertation: *Towards circular economy: Progress, policies and outcomes*

Student supervision

KU Leuven

Faculty of Science and Sustainable Development – 5 Master Students (2026:3, 2025:1, 2024:1)

Faculty of Economics and Business – 3 Master Students (2024:1, 2022:2)

Faculty of Industrial Engineering Sciences – 1 Master Student (2022:1)

CIFE: Global Energy Transition and Governance – 2 Master Students (2025:1, 2024:1)

ZHAW: Faculty of Law and Management – 2 Master Students (2025:1, 2026:1)

Tilburg University: School of Economics and Management – 3 BSc Students (2024:1, 2025:2)

Service to policy makers

2025: Advise to the EC Commission of the future EU CE Act

2025 : Advise to the Dutch Government for the DUcth Repair Policy

Languages:

Languages: French (Mother tongue), English (Bilingual), Dutch (Advanced – B2), German (Beginner), Spanish (Beginner)

Software and cie: Python, Stata, LATEX, VBA, html/css/php, Git, Microsoft Office

References:**Prof. Reyer Gerlagh, PhD**

Full Professor, TiSEM
Tilburg University, The Netherlands
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Prof. Aude Pommeret, PhD

Full Professor, IREG - Institute for Research
in Management and Economics
University Savoie-Mont Blanc, France
aude.pommeret@univ-savoie.fr

Prof. Regina Betz, PhD

Full Professor, Center for Energy and the
Environment
ZHAW, Switzerland
betz@zhaw.ch

Prof. Sandra Rousseau, PhD

Full Professor, Cedon - Center for Economics
& Corporate Sustainability
KU Leuven, Belgium
sandra.rousseau@kuleuven.be

Prof. Sophie Bernard, PhD

Full Professor, Department of Mathematical
& Industrial Engineering
University Polytechnique Montréal, Canada
sophie.bernard@polymtl.ca

More references available upon request