

## DÍAZ LÓPEZ, Fernando Javier

### HEC Paris

Climate and Earth Centre, Sustainability & Organisations Institute (S&O)

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### Positions in Academic Institutions (includes honorary appointments)

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03/2024 to present	Executive Director Climate and Earth Centre (full time, permanent) – Society and Organisations (S&O) Institute, HEC Paris <a href="https://www.hec.edu/en/faculty-research/centers/sustainability-organizations-institute/climate-and-earth">https://www.hec.edu/en/faculty-research/centers/sustainability-organizations-institute/climate-and-earth</a>
03/2024 to present	Senior Lecturer, HEC Paris Executive Education (contract) <a href="https://www.hec.edu/en/executive-education/our-programs-individuals/management-topics/sustainability">https://www.hec.edu/en/executive-education/our-programs-individuals/management-topics/sustainability</a>
03/2015 to present	Associate Professor Extra-ordinary of Sustainability Systems (honorary), Department of Engineering Management, School of Industrial Engineering, Stellenbosch University (ZA) <a href="https://ie.sun.ac.za/">https://ie.sun.ac.za/</a>
06/2023 to present	Research affiliate (honorary), INNOGREEN Research Group on Eco-innovation and Circular Economy, University of Alcala (ES) <a href="https://innogreen.net/">https://innogreen.net/</a>
09/2019 to present	Research affiliate (honorary), Sustainability Environmental Economics and Dynamic Studies SEEDS, University of Ferrara (ITA) <a href="https://www.sustainability-seeds.org/">https://www.sustainability-seeds.org/</a>

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### Research & education interests

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- Eco-innovation, circularity, business model innovation for decarbonisation and climate resilience of industry.
- Systems transitions & climate innovation for transformative adaptation and resilience.

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### IPCC/UN/International Experience

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IPCC	<ul style="list-style-type: none"> <li>• <b>Lead author for the Inter-Governmental Panel of Climate Change (IPCC) Seventh Assessment Report (AR7)</b>, Working Group III (Mitigation of Climate change), Chapter 10 industry. <i>Nomination by Mexico, ICOS, and ICC (since July 2025)</i></li> <li>• Nominated by Mexico to the “Scoping meeting for an IPCC methodology report on the carbon dioxide removal technologies and carbon capture utilization and storage’ (2024, not selected by IPCC Bureau)</li> </ul>
UN system	<ul style="list-style-type: none"> <li>• Reviewer GEO-7 report UN Environment (2nd order review, 2024)</li> <li>• Main advisor UN Environment and UNIDO Global project on Eco-innovation and Resource Efficiency for SMEs in developing countries and economies in transition (2011-2014)</li> <li>• Expert inputs to Technology Facilitation Mechanism–Global Pilot STI for SDG Roadmaps (2018-2020).</li> </ul>
Inter-American Development Bank	<ul style="list-style-type: none"> <li>• Scientific advisor on green innovation and circular economy for the CTI Division: publication of one report, three technical notes, two training courses (RELAI, IDB CTI, IDB Clima) and invitation to speak at different regional events and forums (since 2017-).</li> </ul>

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### Education

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10/2002 to 10/2008	<p>Doctor of Philosophy, International Economic Development, University of East Anglia (UK). <a href="https://www.uea.ac.uk/web/about/school-of-global-development/phd-programmes">https://www.uea.ac.uk/web/about/school-of-global-development/phd-programmes</a></p> <p>Supervisors: Professors Rhys O. Jenkins and Michael Stocking</p>
09/2000 to 07/2002	<p>Master of Philosophy, Economics and Management of Innovation (Distinction), Universidad Autónoma Metropolitana (MEX) - UAM Medal for Academic Merits; best dissertation award. <a href="http://dcsh.xoc.uam.mx/posgrados/megpi/">http://dcsh.xoc.uam.mx/posgrados/megpi/</a></p> <p>Supervisor: Professor Daniel H. Villavicencio.</p>
19/1995 to 07/2000	<p>Bachelor of Science, Chemical Engineering (Distinction), Universidad Autónoma del Estado de México (MEX) – Award for first student graduated. <a href="https://quimica.uaemex.mx/ofertaeducativap/licenciaturas/iq.html">https://quimica.uaemex.mx/ofertaeducativap/licenciaturas/iq.html</a></p> <p>Supervisor: Professor Carlos E. Barrera Diaz.</p>

## Education for teaching and learning

2019 to present	Learning and Teaching in Higher Education, Postgraduate Certificate, University of London
2002 to 2005	PhD Personal & Professional Development programme: lecture and seminar teaching, assessment, feedback, module & course design –University of East Anglia

## Certificates and other courses (relevant to education and research)

2019	High Impact Leadership. Advanced Diploma by INSEAD Business School, France
2017 and 2011	Project management based on International Project Management Association (basic / advanced) – Course diploma by CapGemini and TNO
2008 and 2011	How to write / How to administer European framework programme research proposals, Course diploma by the Hypherion Ltd.

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**Past work experience**


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**Previous positions in research and academia**

09/2023 to 02/2024	<i>Learning facilitator (Lecturer), Circular Economy: Transition for Future Sustainability, MIT Professional Education.</i> <a href="https://professionalprograms.mit.edu/online-program-circular-economy/">https://professionalprograms.mit.edu/online-program-circular-economy/</a>
01/2023 to 03/2024	<i>Director of Research &amp; Cluster Co-Director ‘Resilient and Climate Neutral Regions’, EIT Climate KIC (FR)*</i> <a href="https://www.climate-kic.org/programmes/place-based-transformations/">https://www.climate-kic.org/programmes/place-based-transformations/</a>
01/2022 to 03/2024	<i>Scientific Director Transitions Hub, EIT Climate KIC (FRA) (part of the European Institute of Innovation and Technology)</i> <a href="https://transitionsHub.climate-kic.org">https://transitionsHub.climate-kic.org</a>
01/2022 to 01/2023	<i>Director of Research Strategy, EIT Climate KIC (FRA)</i> <a href="https://www.climate-kic.org/programmes/europe-2030-missions/">https://www.climate-kic.org/programmes/europe-2030-missions/</a>
09/2008 to 08/2019	<i>Research affiliate (honorary), research group ‘Innovation and Management in Organisations’, Department of Institutional Studies (DESIN), Universidad Autonoma Metropolitana (MEX)</i> <a href="https://dcsh.cua.uam.mx/estudios-institucionales/presentacion-estudios-institucionales/">https://dcsh.cua.uam.mx/estudios-institucionales/presentacion-estudios-institucionales/</a>
02/2015 to 09/2019	<i>Senior Researcher &amp; Programme Director, Department of TNO Energy and TNO Caribbean, Netherlands Organisation for Applied Scientific Research TNO (NL)</i> <a href="https://www.tno.nl/en/">https://www.tno.nl/en/</a>
07/2009 to 02/2015	<i>Scientific Researcher, Expertise Centre Strategic Analysis and Policy (now TNO Vector), TNO (NL)</i> <a href="https://vector.tno.nl/en/">https://vector.tno.nl/en/</a>
10/2007 to 07/2009	<i>Junior Researcher, Business Unit Innovation and Environment and Competence Centre for Transitions. TNO (NL)</i>
10/2002 to 10/2007	<i>Post-graduate Researcher &amp; Teaching Assistant, School of International Development, Faculty of Social Sciences, University of East Anglia (UK).</i> <a href="https://www.uea.ac.uk/about/school-of-global-development">https://www.uea.ac.uk/about/school-of-global-development</a>

\*EIT CKIC is one of the Knowledge and Innovation Communities of the European Institute of Innovation and Technology, funded by Horizon Europe. <https://eit.europa.eu/global-challenges/about-our-communities>

**Industry and entrepreneurship support experience (private sector)**

08/2024 to present	<i>Mentor/Investigator, Creative Destruction Lab – Climate track (CDL-Paris), Deeptech Centre, Institute of Innovation and Entrepreneurship, HEC Paris (France)</i> <a href="https://createdestructionlab.com/mentors/fernando-diaz-lopez/">https://createdestructionlab.com/mentors/fernando-diaz-lopez/</a>
10/ 2019 to 03/2024	<i>Principal consultant and founder, Eco-innovation Research (FRA)</i>
10/2020 to 11/2021	<i>Principal consultant (Climate, Sustainability and Green Growth), Technopolis (FRA)</i>
09/1998 – 07/1999	<i>Junior Environmental Engineer (internship), Nalcomex Lerma Facility, Nalco Company (now Ecolab), (MEX)</i>

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**Visiting Fellowships**


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07/2019, 07/2015	<i>Visiting fellow. Research Group of “Knowledge Management and Science, Technology and Innovation Policies”, Department of Institutional Studies (DESIN), Universidad Autonoma Metropolitana - Cuajimalpa, Mexico</i>
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06/2005 – 08/2005

*Visiting PhD Fellow.* UNU-INTECH (Institute for New Technologies) –now UNU-MERIT (Maastricht Economic and Social Research and Training Centre on Innovation and Technology), United Nations University/ University of Maastricht, the Netherlands

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## Honours & Awards

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### Awards

1. National Award of Social and Public Opinion Research – runner up. Award received from the General Congress of the Mexican United States, Mexico (2012)
2. State of Mexico Award for Youths- – 1st prize Academic category. Award received from the Government of the State of Mexico, Mexico (2003)
3. Scientific and Technological Research Award – runner up. Award from Centro de Investigacion y Docencia Economica (CIDE), Mexico (2003)
4. Medalla al Merito Universitario – 1st prize, Award from Universidad Autónoma Metropolitana, Mexico (2003)
5. Master Thesis Award, 1st prize, Universidad Autonoma Metropolitana, Unidad Xochimilco, Mexico (2002)
6. Environmental Quality Competition for Technology Projects – 1st prize, Universidad Autonoma del Estado de Mexico, Mexico (1999).

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## Teaching

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### Courses (current and recent)

<b>Programme</b>	<b>Course / Role</b>	<b>Entity</b>	<b>Information (learners, mode)</b>
Climate & Energy Transition (Certificate - L3, M2, MBA/EMBA)	Programme exec. director (130h) and lecturer (Climate Resilience, 3h / Green innovation, 3h)	HEC Paris	40 learners. On-site (Blackboard). <a href="https://www.hec.edu/en/climate-energy-transition-certificate">https://www.hec.edu/en/climate-energy-transition-certificate</a>
	Lecturer. Module 1: Sustainable Strategy. “Crafting net zero & climate resilience in business” (4h) (lecture)	HEC Paris Executive Education	12 learners. On-site. <a href="https://page.hec.edu/rs/813-MHQ-542/images/HEC%20Paris%20Executive%20Education%20-%20Strategizing%20sustainable%20business%20transformation%20-%202025.pdf">https://page.hec.edu/rs/813-MHQ-542/images/HEC%20Paris%20Executive%20Education%20-%20Strategizing%20sustainable%20business%20transformation%20-%202025.pdf</a>
Strategizing Sustainable Business Transformations (Executive Education)	Lecturer. Module 3: Low Carbon Innovation “Business Models for Green Innovation” (4h) (lecture and course materials evaluation)	HEC Paris Executive Education	15 learners. On-site. (same <a href="#">link</a> as above)
Climate & Business (Certificate - L3, M2, MBA/EMBA)	Lecturer. Module 2: Transforming: “Green innovation for Climate Transformations” (4h)	HEC Paris	42 learners. On-site. <a href="https://www.hec.edu/en/climate-business-certificate">https://www.hec.edu/en/climate-business-certificate</a>
Circular Economy: Transition for Future Sustainability (Executive Education)	Learning facilitator (Lecturer): mentoring, grading and learners’ feedback (20h)	MIT Professional Education	35 learners. Online (blackboard and zoom). <a href="https://professional.mit.edu/course-catalog/circular-economy-transition-future-sustainability">https://professional.mit.edu/course-catalog/circular-economy-transition-future-sustainability</a>
Circular Economy from the perspective of Science, Technology and Innovation (Executive Education)	Academic director & lecturer (40h) (course design, syllabus, handbook students, playbook facilitators, lectures (12h), grading, feedback and evaluation).	European Institute of Innovation and Technology / CKIC Academy	42 learners. Online (blackboard and zoom). <a href="https://www.climate-kic.org/news/eit-climate-kic-enables-policymakers-in-latin-america-and-the-caribbean-to-drive-circular-economy-transition/">https://www.climate-kic.org/news/eit-climate-kic-enables-policymakers-in-latin-america-and-the-caribbean-to-drive-circular-economy-transition/</a>

### Summer schools and PhD academies

1. **PhD Academy, Business Schools for Climate leadership** (8h), 12 PhD students. Scheduled for May 27-28<sup>th</sup>, 2025. HEC Paris.
2. **PhD Symposium Advances of Cleaner Production School and inno4sd PhD Academy 2021** (16h, 15 phd students). Module development and keynote in the topic of circular economy and eco-innovation. Co-organised with the PhD programmes: “Environmental Sustainability and Wellbeing” (ESW, University of Ferrara, Italy); “Sustainability in Production Systems” (Graduation Program on Production Engineering, Paulista University, Brazil); “Ecological Environment Protection and Management” (School of Environment, Beijing Normal University, China). November 9-10, 2021 (confirmed).
3. **Inno4sd PhD Academy 2019** (12 h, 10 PhD students). Module development and keynote in the topic of social innovation for the SDGs, Inno4sd & Universidad Iberoamericana, Mexico City. November 12<sup>th</sup>, 2019.
4. **Inno4sd PhD Academy 2018** (18 h). Module development and feedback (2 Phd Students) in the topic of circular economy and sustainable energy transitions, Inno4sd & University of Ferrara, September 18<sup>th</sup>, 2018.
5. **Inno4sd PhD Academy 2017** (18h). Module development and feedback (3 PhD Students) in the topic of eco-innovation and sustainable energy transitions; Inno4sd, Pretoria University, CNRS, and Stellenbosch University, December 1<sup>st</sup>, 2017.

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## Publications

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### Articles in peer-reviewed/indexed journals

1. Carrillo-González, G., S. Solís-Tepexpa, Á.W. Vázquez-García, and F.J. DIAZ LOPEZ. (2025). Trends in Eco-innovation Studies: A Bibliometric Analysis of the Convergence between Innovation and Sustainability. **SHS Web of Conferences**. 211, 02002 (2025). <https://doi.org/10.1051/shsconf/202521102002> **Citations: 2**
2. Könnölä, T., Carrillo Herмосilla, J., del Rio, P., DÍAZ LÓPEZ, F.J., & M. Grazzi. (2024) Fomentando los ecosistemas de eco-innovación: estudio de casos europeos sobre iniciativas públicas de financiación. **Revista de Economía Industrial**. 434 (IV). <https://www.mintur.gob.es/es-es/publicaciones/paginas/detallepublicacionperiodica.aspx?numrev=434> **Citations: 1**
3. Guerreschi, A., & F.J. DIAZ LOPEZ. (2023) *A bibliometric analysis on co-operatives in circular economy and eco-innovation studies*. **Sustainability**. 15 (21) 15595. Special Issue "Co-operating for Change: Roles, Potentials, and Challenges of Cooperatives in the Decade Leading up to the Sustainable Development Goals". <https://doi.org/10.3390/su152115595> **Citations: 15**
4. Giannetti, B. F., DIAZ LOPEZ, F. J., Liu, G., Agostinho, F., Sevegnani, F., & Almeida, C. M. (2023). A Resilient and Sustainable World: Contributions from Cleaner Production, Circular Economy, Eco-innovation, Responsible Consumption, and Cleaner Waste Systems. **Journal of Cleaner Production**, 384 (135465). **Citations: 70** <https://doi.org/10.1016/j.jclepro.2022.135465>
5. Rivera Delgado, D., G. Carrillo & F.J. DIAZ LOPEZ. (2021) Transición energética, innovación y usos directos de energía geotérmica en México: análisis de modelado temático [Energy transition, innovation, and direct uses of geothermal energy in Mexico: a thematic modelling analysis]. **Problemas del Desarrollo**. 52 (206) <https://doi.org/10.22201/iiiec.20078951e.2021.206.69713> **Citations: 13**
6. Kemp, R, Arundel, A, Rammer, C, Miedzinski, M, Tapia, C, Barbieri, N, Turkeli, S, Bassi, Mazzanti, M, Chapman, D, DÍAZ LÓPEZ, Fernando J., & W. McDowall (2019). *Measuring Eco-innovation for a Green Economy*. **Wirtschaftspolitische Blätter**. Special issue on Sustainability. Vol. 66, No. 4, p.391-404. <https://www.wko.at/site/WirtschaftspolitischeBlaetter/kemp-et-al-04-2019.pdf> **Citations:41**
7. DIAZ LOPEZ, F.J., T. Bastein & A. Tukker. (2019) *Business model innovation for resource-efficiency, circularity and cleaner production: what 143 case studies tell us*. **Ecological Economics**. Special Issue: PoLicy For a Resource Efficient Europe. 155, 20-35. DOI: <https://doi.org/10.1016/j.ecolecon.2018.03.009> **Citations: 331**
8. DIAZ LOPEZ, F.J. & C. Montalvo. (2015) *A comprehensive review of the evolving and cumulative nature of eco-innovation in the chemical industry*. **Journal of Cleaner Production**. 102 (2015), p. 30-43. DOI: <https://doi.org/10.1016/j.jclepro.2015.04.007> **Citations: 142**
9. Coenen, L and F.J. DIAZ LOPEZ (2010) *Comparing systems approaches to innovation and technological change for sustainable and competitive economies: an explorative study into conceptual commonalities, differences and complementarities*. **Journal of Cleaner Production** 18(12), 1149-1160, <https://doi.org/10.1016/j.jclepro.2010.04.003> **Citations: 489**
10. DÍAZ LÓPEZ, F.J., Filardo, S., Díaz S, F (2005) *Conocimiento Local y Tecnología Apropiada: lecciones del Alto Mezquital Mexicano [Local knowledge and appropriate technology: lessons from the Alto Mezquital in Mexico]*, **Alteridades**, 29 (Ene-Jun), p. 9-21 <https://alteridades.izt.uam.mx/index.php/Alte/article/view/284> **Citations: 18**

### Books

1. DIAZ LOPEZ, F.J., M. Mazzanti, & R. Zoboli (Eds). (2023) Handbook of Innovation, Society and the Environment. Edward Elgar Publishing. Cheltenham. ISBN: 9781802200058. <https://doi.org/10.4337/9781802200065> **Citations: 8**
2. DIAZ LOPEZ, F.J., (2003) *Innovación y Ambiente. La Industria Química en México*, [Innovation and Environment. The Chemical Industry in Mexico] Breviarios de la Investigación. UAM. Mexico. 225p. [https://publicaciones.xoc.uam.mx/TablaContenidoLibro.php?id\\_libro=9](https://publicaciones.xoc.uam.mx/TablaContenidoLibro.php?id_libro=9) **Citations: 5**

### Book chapters (selected)

1. Guerreschi, A., & F.J. DIAZ LOPEZ. (2024) *Redefining production and consumption in producer cooperatives through sustainability, eco-innovation, and circularity*. In: Innovations for Circularity and Knowledge Creation. Massimiliano Mazzanti, Andrea Bernardi and Salvatore Monni (Eds). Palgrave Macmillan, Cham. [https://doi.org/10.1007/978-3-031-59523-3\\_9](https://doi.org/10.1007/978-3-031-59523-3_9)
2. DIAZ LOPEZ, F.J., M. Mazzanti, & R. Zoboli. (2023) *Towards a sustainable, circular, innovative and fair economy: an introduction*. In: Handbook of Innovation, Society and the Environment. Diaz Lopez, F.J; M. Mazzanti, and R. Zoboli (Eds). Edward Elgar Publishing. Cheltenham <https://doi.org/10.4337/9781802200065.00007> **Citations: 3**
3. DIAZ LOPEZ, F.J., D. Rivera Delgado & D. Villavicencio Carbajal. (2023) *Barriers to eco-innovation and public R&D incentives: evidence from Mexico*. In: Handbook on Innovation, society and the environment. Mazzanti, M., Diaz Lopez, F.J; and R. Zoboli (Eds). Edward Elgar Publishing. Cheltenham. **Citations: 4** <https://doi.org/10.4337/9781802200065.00013>
4. DIAZ LOPEZ, F.J.(2023) *Business innovation*. In: Dictionary of Ecological Economics: Terms for the New Millennium. Brent Haddad & Barry D. Solomon (Eds). Edward Elgar Publishing. Cheltenham. p. 46-47. ISBN. 9781788974905. <https://doi.org/10.4337/9781788974912.B.46>
5. DIAZ LOPEZ, F.J. (2023) *Resource Efficiency*. In: Dictionary of Ecological Economics: Terms for the New Millennium. Brent Haddad & Barry D. Solomon (Eds). Edward Elgar Publishing. Cheltenham. p 464. ISBN. 9781788974905. <https://doi.org/10.4337/9781788974912.R.42>
6. Laurette Dube, S. Wolfert, K. L. Zimmermann, N. Yang, F.J. DIAZ LOPEZ, R. Arvanitis, R. S. Schillo, S. Hamalova, J. Nie & S. Brown (2021). *Convergence research and innovation digital backbone: behavioral analytics, artificial intelligence, and digital technologies as bridges between biological, social, and agri-food systems*. In: *How is Digitalization Affecting Agri-food? New Business Models, Strategies and Organizational Forms*. Edited by: Maria Carmela Annosi and Federica Brunetta. Routledge, London, p. 111-125. ISBN 9780367196516 <https://doi.org/10.4324/9780429203701> **Citations: 3**
7. DIAZ LOPEZ, F.J., & E. Rolón (2012). *Desarrollo Económico, Cambio Climático, y Combate a la Pobreza en una Estrategia Nacional de Economía Verde e Inclusiva*. En: M. Mascott Sánchez, G. Meixueiro Nájera Eds, *Premio Nacional de Investigación Social y de Opinión Pública*, Centro de Estudios Sociales y de Opinión Pública, Cámara de Diputados / LXI Legislatura, Mexico, 65-114p. ISBN: 978-607-7919-39-1 [http://biblioteca.diputados.gob.mx/janium/bv/cesop/lxii/premnac\\_invsoc\\_oppu2011.pdf](http://biblioteca.diputados.gob.mx/janium/bv/cesop/lxii/premnac_invsoc_oppu2011.pdf)
8. DIAZ LOPEZ, F.J., & C. Montalvo (2011) *The greening of the chemical industry: past, present and challenges ahead*. Sanghi, In: R., and V. Singh (Eds.) *Green chemistry for environmental remediation*, Wiley-Scrivener Publishing, Salem, p 35-78. ISBN:9780470943083 <https://doi.org/10.1002/9781118287705.ch2> **Citations: 7**

### Working papers (selected, not published in peer-reviewed journals)

1. DIAZ LOPEZ, F.J. & C. Montalvo (2015). *Qualitative data mining of large datasets: The case of long waves of eco-innovation in the chemical industry (1901-2011)*. TNO Working Paper Series, No. 2015-04. May, Delft, 34p.
2. Tan, A. DIAZ LOPEZ, F.J., Mudgal, S. and A. Tukker (2013) *Can European Eco-Innovation Policies Accelerate the Uptake of Product-Service Systems?* TNO Working Paper Series, No. 2013-02. August, Delft, 35p.
3. Suurs, R., DIAZ LOPEZ, F.J. de Boer, J, Miedema, M., and R. A. Mashelkar (2013). *A Systems-Based Model For The Successful Scaling of Inclusive Innovation*. TNO Working Paper Series, No. 2013-01. August, Delft, 35p. **Citations: 7**
4. Coenen, L and Benneworth, P and F.J. DIAZ LOPEZ (2010) *Towards a theory for transition regions in sustainable energy innovation: comparing system innovation and innovation systems*. TNO Working Paper Series, No. 2010-01, December, Delft, 25p

### Articles for practice, including op-eds (selected)

1. DIAZ LOPEZ, F.J. (2025) *How emerging economies innovations can scale climate resilience for all. Private Sector & Development*. 44 (2025). <https://www.proparco.fr/en/news/how-emerging-countries-innovations-can-scale-climate-resilience-all>
2. Könnölä, T., del Rio, P., Carrillo-Hermosilla, J., & F.J. DÍAZ LÓPEZ. (2023) *Innovación verde en América Latina y el Caribe: marco conceptual. Technical Note Series IDB-TN-2704*. Banco Interamericano de Desarrollo. Washington. 33 p. <http://dx.doi.org/10.18235/0004890> **Citations: 3 (1028 downloads)**

3. Könnölä, T., del Rio, P., Carrillo-Hermosilla, J., & F.J. DÍAZ LÓPEZ. (2023) Innovación verde en América Latina y el Caribe: estudio de casos sobre la gestión de programas de apoyo. **Technical Note Series IDB-TN-2703** Banco Interamericano de Desarrollo. Washington. 35 p. <http://dx.doi.org/10.18235/0004891> **(613 downloads)**
4. Salazar, J.C. (Editor) (2019) *Recomendaciones de política para la integración de tecnologías ecológicamente racionales en los sistemas nacionales de innovación*. Juan Carlos Salazar, P. Maio, A. M. Angel, J. C. Ramirez, C. Hinojosa, J. Blanco, L. Pinzon, D. Jacome, F.J. DIAZ LOPEZ, B. Sanchez, E. Arrilucea. Inter-American Development Bank Washington. **Nota Técnica No. IDB-TN-01757**. Banco Interamericano de Desarrollo, Division de Cambio Climático., Washington, 161 p. <http://dx.doi.org/10.18235/0002007> **(3194 downloads)**
5. Díaz López, F.J., & C. Montalvo (2011) Repensando la innovación desde un punto de vista de la sostenibilidad ambiental: ¿es la eco-innovación una herramienta-objetivo real, necesaria y alcanzable para países emergentes? **Innovación y Competitividad**, No. 44, October -June, 22p <http://online.fliphtml5.com/yacl/ywvj/index.html#p=11> **Citations: 5**
6. Villavicencio, D., and F.J. DIAZ LOPEZ (2004) Innovation and environment: lessons from the Mexican Chemical Industry, **Comercio Exterior**, 54 (12) p. 1056-1069 <http://revistas.bancomext.gob.mx/rce/magazines/73/2/RCE2.pdf> **Citations: 5**

### Manuals and Guidelines (for practice)

1. Koetz, T., C. Alvial Palavicino, A. Warren, L. Arbau, R. da Silva, K. England, M. Bachmann, S. Bakshi, K. Bruin, K. Dellis, V. di Fant, F.J. DIAZ LOPEZ, S. Dogni, E. Felio, O. Higuera-Roa, A. Khalilova, H. Johansson, L. Pando Martínez, E. Petsani, L. Pirazan Palomar, R. Sakic, R. Titley, & S. Zorita Castresana (2026) *Developing Regional Climate Resilience Strategies and Action Plans. Implementation guidance to support regions through the Regional Resilience Journey* in line with the EU Mission on Adaptation. Pathways2Resilience. Brussels. 230 p. <https://www.pathways2resilience.eu/regional-resilience-journey>
2. Ho, D, Charalambides, A., M. A. Callus, D. Spiteri, B. Camacho Avila & F.J. DIAZ LOPEZ (2023). *Guidebook. Designing Research & Innovation Action Plans for Transformative Climate Action in Island Ecosystems*. Special Report of the MICIE | Mediterranean Island Cleantech Innovation Ecosystem project. Grant Agreement 101070800. EIT Climate KIC, Cyprus University of Technology and Energy and Water Agency. Amsterdam (the Netherlands). 54 p. ISBN: 9789090384245 <http://dx.doi.org/10.13140/RG.2.2.29206.56646>
3. Kemp, R., Arundel, A., Rammer, C., Miedzinski, M., Tapia, C., Barbieri, N., Türkeli, S., Bassi, A., Mazzanti, M., Chapman, D., DIAZ LOPEZ, F. J. & McDowall, W. (2021). *Maastricht Manual on Measuring Eco-innovation for a Green Economy*, Maastricht, Innovation for Sustainable Development Network, Maastricht, 141p. ISBN 9789090329987. **Citations: 64** <https://www.inno4sd.net/uploads/originals/1/inno4sd-pub-mgd-02-2019-fnl-maastrich-manual-ecoinnovation-isbn.pdf>
4. Miedzinski, M., W. Mcdowall, J. Fahnestock, G. Muller, and F.J. Diaz Lopez (2019). *Science, Technology and Innovation Policy Roadmaps for the SDGs: A Guide for design and implementation*. Innovation for Sustainable Development Network, London, 41p. ISBN pending. <https://www.inno4sd.net/uploads/originals/1/inno4sd-pub-mgd-01-2019-fnl-sti-policy-roadmap-sdgs.pdf> **Citations: 2**

### Pipeline of academic publications in R&R

#### Publications in press / R&R

Scientific/academic – in R&R or in press:

1. de Kock, Imke H., Alan C. Brent & F.J. DIAZ LOPEZ (in press) *A closer look: The South African energy transition*. In: *Cleaner Production, Circular Economy, and ESG Strategies to Foster Sustainability*. Tortato, U. F. Aghostino, B, Gianetti (Eds). Springer.
2. Montalvo, C., K. Karanikolova, & F. J. DIAZ LOPEZ. *Green and digital “twin” transitions: process of structuration and evolution of circularity and digital innovation*. Paper for re-submission to **Technology Foresight and Social Change**. (preparing re-submission version).

#### Special issues – under elaboration / calls for contributions:

1. Frankenberg, F., A. Guerreschi, F.J. DIAZ LOPEZ. *Eco-Innovation and Circular Economy in the Cooperative Movement*. Special Issue at *Frontiers in Environmental Economics*. <https://www.frontiersin.org/research-topics/79255/eco-innovation-and-circular-economy-in-the-cooperative-movement>
2. B. Giannetti, F.J. DIAZ LOPEZ, C. Almeida, & F. Agostinho,. *Pathways for Aligning Cleaner Production with Planetary Boundaries: Green Innovation, Decarbonization and Circularity in Action*. Special Issue in *Sustainability* (MDPI). [https://www.mdpi.com/journal/sustainability/special\\_issues/1R10RFD1R9](https://www.mdpi.com/journal/sustainability/special_issues/1R10RFD1R9)
3. Agostinho, F., B. Giannetti, B. C. Almeida, F.J. DIAZ LOPEZ & C. Teodosiu. *Cleaner Production within Planetary Boundaries: Green Innovation, Decarbonization and Circularity in Action*. Special Issue in *Environmental Nexus*

(Elsevier). <https://www.sciencedirect.com/special-issue/326226/cleaner-production-within-planetary-boundaries-green-innovation-decarbonization-and-circularity-in-action>

### Publication projects - under elaboration:

#### Conference papers (full papers)

1. Tenailleau, C., Guerreschi, A., & F.J. DIAZ LOPEZ (2026). *Building Capabilities for Climate Resilience Innovation: Towards a Firm-Level Framework for Adaptive Business*. Paper acceptor for presentation to the Manchester R&D conference 2026 “Creativity and Resilience in an Era of Technological Disruption”. Track 6.2 - Innovating for Climate Resilience. Manchester (June 22-24, 2026). (to be further elaborated for submission to a special issue in **R&D Management Journal**).

#### Peer-reviewed:

1. Koetz, T., DÍAZ LÓPEZ, F.J., Bakshi, S., et. al. *The Regional Resilience Journey: a framework to foster transformative climate adaptation in Europe*. **Nature Climate Change**. (Progress 30%)
2. E. Nikolaou, K. Wang, A. Charalambides & F.J. DÍAZ LÓPEZ. *Deeptech research and innovation ecosystems in small island countries*. **Technology Forecasting and Social Change**. (Progress 80%)
3. K. Dellis, F. J. DÍAZ LÓPEZ, K. England, P. Koundouri. *Adaptation as a Driver of Regional Economic Development – The Mediating Role of the P2R Frameworks*. **Ecological Economics** (Progress 40%)
4. Bakshi, S., C. Alvial-Palavicino, S. Kaye, S. D’Errico, T. Koetz, F. Gemenne, & F.J. DÍAZ LÓPEZ, *Bringing dynamic capabilities to climate adaptation: towards a resilience capacities assessment framework*. **Climate Risk Management**. Special issue on Special Issue on Assessing climate adaptation progress and gaps (Progress 50%)
5. Bakshi, S., C. Alvial-Palavicino, C., T. Zhacharewitz, Matti, T. Koetz, & F.J. DÍAZ LÓPEZ, *Navigating regional transitions through innovation portfolios. A dynamic tool for regional capacities for climate adaptation*. **Environmental Research Letters** (Progress 70%)
6. Arfaoui, N., S. Khan, L.C. Vo. & F.J. DIAZ LOPEZ, *Determinants of the Transitions to Circular Business Models: survey evidence from MENA countries*. **Regional Studies** (Progress 20%)

#### Books and Chapters.

1. Diaz Lopez, F.J., Tortato, U., Gianetti, B., Almeida, C., F. Agostinho (Eds). *Aligning Cleaner Production with Planetary Boundaries*. Springer Nature (forthcoming in 2027)
2. Diaz Lopez, F.J. M. Parodi, F. Chevalier. *ESG strategies and eco-innovation for addressing the packaging circularity challenge*. In: Diaz Lopez, Tortato, U., Gianetti, B., et. al. (Eds). *Aligning Cleaner Production with Planetary Boundaries*. Springer Nature

### Other academic publications

#### Conference papers (selected)

1. J. Hyun, R. Sakic, E. Calliari, O. Higuera Roa, C. Zeitfogel, M. Bachmann, J. Mysiak, M. Sarcinella, D. Bovienzo, S. Ceolotto, C. Kind, N. Peña Cerezo, S. Zorita, G. Schmidt, N. Hernandez-Mora, F. Lotter, S. Bakshi, S. Kaye, M. Marchand, T. Koetz, A. Dagla, F.J. DIAZ LOPEZ. *Accountability for whom? Designing outcome-based MEL for climate adaptation across governance scales*. Paper submitted to the 2026 Evaluation Conference. Strand: S\_09 Evidence for Climate and Environmental Action (E4CA), Lille, October
2. Zeitfogel, C, R. Trogrlic Sakic, O. Higuera Roa, J. Hyun, M. Bachmann, J. Mysiak, M. Sarcinella, D. Bovienzo, S. Ceolotto, C. Kind, N. Peña Cerezo, S. Zorita Castresana, G. Schmidt, N. Hernandez-Mora, F. Lotter, S. Bakshi, S. Kaye, F. J. Diaz Lopez, M. Marchand, T. Koetz, A. Dagla (2026): *Towards a Framework for Measuring Adaptation Effectiveness and Resilience Using Outcome Indicators*, Paper accepted for presentation at the EGU General Assembly 2026, Vienna, Austria, 3–8 May 2026, EGU26-6827, <https://doi.org/10.5194/egusphere-egu26-6827>.
3. Nabila Arfaoui, Sana Khan, Linh-Chi Vo, Fernando J. DIAZ LOPEZ (2024) *Determinants of circular business models in transition: initial evidence from an empirical survey of eco-innovators in Southern Europe and the MENA region*. Ecoinnovation Society 2nd bi-annual workshop. Jouy-en-Josas, 28-29 November.
4. Montalvo, C., K. Karanikolova & F.J. Diaz Lopez (2021). *Green and digital “twin” transitions: process of structuration and evolution*. Paper presented at the EU-SPRI Conference 2021 “Science and innovation – an uneasy relationship? Rethinking the roles and relations of STI policies”. University of Oslo & Nordic Institute for Studies in Innovation, Research and Education (NIFU), Oslo (virtual), June 9-11, 2021. **[Citations: 1 (google scholar)]**

5. Best, A., F. J. DIAZ LOPEZ and M. Mazzanti (2020). *How digitalisation can help or hamper in the climate crisis*. Input paper for the Think2030 Conference “Harnessing the European Green Deal to address the Climate Crisis: Anticipating Risks, Fostering Resilience”, Ecologic Institute, IEEP and TMG. Berlin (virtual), November 16-17. 12 p.
6. F. J. DIAZ LOPEZ (2020). *Sustainable Product Policy and Business Model Innovation for Accelerating the Circular Transition in Europe*. Paper presented at the Conference “Environmental Sustainability and The European Green Deal: values, innovation and regulation”. University of Ferrara, Department of Economics and Management, the Centre for Research in Circular Economy, Innovation and SMEs (CERCIS) and the European Law Institute (ELI). Online conference. November 12. 10 p.
7. Suurs, R, DIAZ LOPEZ, F.J., de Boer, J, Miedema, M, de Kamp, L and R. A. Mashelkar, (2013) *A Systems-based Model for the Successful Scaling Up of Innovation at the Bottom of the Pyramid*, paper presented at the International Workshop: New Models of Innovation for Development, University of Manchester and UK Development Studies Association, 4-5 July 2013 [Citations: 7 (google scholar)]
8. DIAZ LOPEZ, F.J. and F. Brandes (2010). *Defining firm’s competitive sustainability: from fuzzy conceptions to a primer definition and a research agenda*. 16th Annual International Sustainable Development Research Conference 2010: A new agenda for global governance. Special Track: What is eco-innovation? Pursuing an operational definition. University of Hong Kong, June 1-3, 29p. [Citations: 7 (google scholar)]
9. Diaz Lopez, F.J. (2008) *A tailored method to measure eco-innovation strategies (in the South)*. DIME International Conference. University of Bordeaux. [Citations: 13 (google scholar)]

## Other publications

### Contributions to official documents

1. European Commission (2022) Commission Staff Working Document IMPACT ASSESSMENT Accompanying the document Proposal for a Regulation of the European Parliament and of the Council establishing a framework for setting ecodesign requirements for sustainable Products and Repelling Directive 2009/125/EC. Parts 1/4, 2/4,3/4 and 4/4 . Brussels. [https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12567-Sustainable-products-initiative\\_en](https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12567-Sustainable-products-initiative_en) [CO-LEADER OF IMPACTASSESSMENT STUDY]
2. UN Environment & the European Commission (2017) *Mainstreaming Eco-innovation in Sustainable Consumption and Production Policies*. Paris: United Nations Environment and the European Commission. [http://unep.ecoinnovation.org/wp-content/uploads/2018/03/UNEP\\_157-Mainstreaming-ecoinnovation\\_web.pdf](http://unep.ecoinnovation.org/wp-content/uploads/2018/03/UNEP_157-Mainstreaming-ecoinnovation_web.pdf) [CONTRIBUTOR]
3. UN Environment & the European Commission, (2017). *Eco-innovation Manual. Eco-innovation implementation process*, Paris, United Nations Environment Program. [http://unep.ecoinnovation.org/wp-content/uploads/2017/07/UN\\_Environment\\_Eco%E2%80%9494i\\_Manual-1.pdf](http://unep.ecoinnovation.org/wp-content/uploads/2017/07/UN_Environment_Eco%E2%80%9494i_Manual-1.pdf) [CONTRIBUTOR AND MAIN ADVISOR]
4. UNEP 2014. *The Business Case for Eco-innovation*, United Nations Environment. Paris. [https://wedocs.unep.org/bitstream/handle/20.500.11822/10613/BCForEI\\_EN.pdf?sequence=1&amp%3BisAllowed=y%2C%20French%7C%7Chtps%3A/wedocs.unep.org/bitstream/handle/20.500.11822/10613/BCForEI\\_FR.pdf](https://wedocs.unep.org/bitstream/handle/20.500.11822/10613/BCForEI_EN.pdf?sequence=1&amp%3BisAllowed=y%2C%20French%7C%7Chtps%3A/wedocs.unep.org/bitstream/handle/20.500.11822/10613/BCForEI_FR.pdf) [SCIENTIFIC ADVISOR]
5. *European Commission (2010). European Competitiveness Report 2010. Chapter 4 Key Enabling Technologies. Brussels: Commission of the European Communities.* <https://op.europa.eu/en/publication-detail/-/publication/cedadcf-d2eda-47d4-a04c-739acc2b70b2>. [CONTRIBUTOR SCIENTIFIC STUDY]

### Research reports (selected documents, showing 9 out of 82)

1. DIAZ LOPEZ, F.J., Veillet-Lavallée, M.; Le Gallou, M.; Doranova, A.; Beckers, D.; Dahll Steinert, M.; Zhechkov, R.; Von Kolpinski, C.; Froese, T.; Hosseinioun, S., Schuler, J.; Bodenheimer, M.; krauß, K.. & F. Lüdeke-Freund (2021). *Support for new and upcoming circular business models*. Task 5 Deliverable of the Study supporting the Impact Assessment of the Sustainable Product Initiative. European Commission, DG Grow. Paris.
2. DIAZ LOPEZ, F.J. (2019). *Green Innovation Policies for Latin America and the Caribbean*. Inter-American Development Bank - IDB. Washington, 122 p.
3. DIAZ LOPEZ, F.J., Becker, J., Berkens, F., Eris, B., Koers, W., Vliet, H., and T. Bastein (2014) *Report on new business models that support resource efficiency*. Deliverable D2.4 Policy Options for a Resource-Efficient Economy (POLFREE). FP7-funded project. Grant Agreement no. 308371. Delft, 133 p. [Citations: 5]
4. Bastein, T., Koers, W., Dittrich, K, Bekker, J and F.J. DIAZ LOPEZ (2014) *Business Barriers to Resource Efficiency*, Deliverable 1.5 Policy Options for a Resource-Efficient Economy (POLFREE). FP7-funded project. Grant Agreement no. 308371. Delft, 88 p. [Citations: 24]
5. Kemp, R., DIAZ LOPEZ, F.J., and R. Bleischwitz (2013). *Report on Green Growth and Eco-innovation*. Deliverable 2.3. Report of the FP7 project EMInInn Macro-level Indicators to monitor the environmental impact of innovation, EU Framework programme 7, Delft and Maastricht, June, 80p. [Citations: 9]
6. Montalvo, C, DIAZ LOPEZ, F.J., and F Brandes (2012) *Potential for Eco-innovation in 9 sectors of the European Economy*. Task 4 Horizontal Report 4 - Europe Innova-Sectoral Innovation Watch, Project for DG-Enterprise, European Commission Delft, 125p [Citations: 42]
7. Aschhoff, B., Crass, D, Cremers, K., Grimpe, C., Rammer, C., Brandes, F, DIAZ LOPEZ, F.J., Klein-Woolthuis, R.,

Mayer, M, and C. Montalvo (2010) *European Competitiveness in Key Enabling Technologies*, WIFO, ZEW and TNO on behalf of the European Commission, DG for Enterprise and Industry, Vienna, 208p.(Background Study of the 2010 European Competitiveness report) **Citations:52**

8. Tukker, A., DIAZ LOPEZ, F.J., Lindt, M., Mont, O, Sylvia Lorek, Joachim Spangenberg, Stefan Giljum, Martin Bruckner, and Ines Oman. (2009) Sustainable Consumption and Production Policies Effectiveness Evaluation (Scope2). Final Report, FP6-funded project 044256, Report for the Commission of the European Communities. DG Research; TNO, SERI & Lund University, Delft, 82p **Citations: 19**

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## Grants (research projects)

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### On-going research grants (active projects)

- 09/2024 for 36 months *Outcome indicators to measure progress on climate resilience - UNDERPIN (HORIZON-MISS-2024-CLIMA-01-03)*. Horizon Europe–RIA. € 2.99 million (own € 620k). Role: Coordinator & PI (Grant signature)
- 09/2024 for 24 months *Stimulating and Connecting the FINEST Experimentation Practices and Spaces (FINEX)*. (HORIZON-EIE-2023-CONNECT-02). Horizon Europe–RIA, € 999k (own €80k): Role: PI <https://doi.org/10.3030/101158370> (grant amendment underway)
- 01/01/2024 (for 36 months) *Harnessing the vast potential of RES for sustainable farming - HARVREST (HORIZON-CL6-2023-CLIMATE-01-7)*, Horizon Europe - RIA, €4.9 million EC contribution (own budget €467k EC contribution). Role: PI <https://cordis.europa.eu/project/id/101136904>
- 01/01/2023 (for 60 months) *Pathways2Resilience/P2R: Co-developing Pathways Towards Climate Resilient Regions in Europe (HORIZON-MISS-2021-CLIMA-02-02)*. Horizon Europe - RIA, €29,6 million EC contribution (own budget €23.5 million). Role: consortium coordinator and PI. <https://cordis.europa.eu/project/id/101093942>

### Past research grants – selected projects (showing 8 out of 25)

- 07/2022 to 01/2024 *Mediterranean Island Cleantech Innovation Ecosystem – MICIE [HORIZON-EIE-2021-CONNECT-01-01]*. Horizon Europe - CSA, €482k EC contribution (own budget €62k) <https://cordis.europa.eu/project/id/101070800>
- 06/2022 to 01/2024 *European Community of Practice supporting Hubs for Circularity - H4C ECoP [HORIZON-CL4-2021-TWIN-TRANSITION-01-16]*. Horizon Europe – CSA Total budget €1.66 million EC contribution (own budget €265k EC contribution) <https://cordis.europa.eu/project/id/101058656>
- 03/2015 to 01/2019 *European Global Transition Network on Eco-Innovation, Green Economy and Sustainable Development – Green.eu [SC5-14-2014]*. Horizon 2020 – CSA. Total budget €3 million EC contribution (own budget €925k EUR). Role: Consortium coordinator and PI. <https://cordis.europa.eu/project/id/641974>
- 10/ 2016 (for 44 months) *Gemex: cooperation in geothermal energy research Europe-Mexico for development of enhanced geothermal systems and superhot geothermal systems*. Horizon 2020 – RIA. Total budget 19,5 Million EUR (€10 million EC contribution, €9,5 million Conacyt contribution). Own budget €950.000 <https://cordis.europa.eu/project/id/727550>
- 10/2012 (for 42 months) *POLFREE - Policy Options for a Resource Efficiency Europe [ENV.2012.6.3-2]* FP7 programme Collaborative project. Total budget €2,9 million EC contribution. Own budget €924K. Role: PI. <https://cordis.europa.eu/project/id/308371>
- Oct 2011 (for 36 months) *EMInInn - Macro-level Indicators to monitor the environmental impact of innovation [ENV.2011.3.1.9-3]*. FP7 programme Collaborative project; Total budget €2.5 million. Own budget 650K. Role: Project manager TNO and joint PI. <https://cordis.europa.eu/project/id/283002>
- 2006 to 2009 SCOPE2, Sustainable Consumption Policies Effectiveness Evaluation [FP6 2005-SSP-5A.] EC-FP6 funded project; Total budget € 200.000. Own budget 120.000 EUR. Role: Cat C researcher <https://cordis.europa.eu/project/id/44256>

2006 to 2008 TESTNET, Environmental Technologies Verification System [FP6-SUSTDEV] FP6 funded project, Total budget €2.900.000. Own budget 100k EUR. EUR. Role: Cat C researcher. <https://cordis.europa.eu/project/id/18311>

### Consultancy assignments (selected projects, showing 13 out of 30)

01/01/2023 (for 9 months) *Delivery of a training course in the area of science technology and innovation policies for the circular economy*; Interamerican Development Bank, Competitiveness & Innovation Division (CTI); 60k USD. Role: Coordinator and academic director.

28/04/2022 for 9 months *Towards a Model of Circular and Bio-Economy in Cantabria*. Cantabria Regional Government, Ministry of Environment, Biodiversity and Sustainable Development; €100k. Role: Coordinator. <https://www.climate-kic.org/festival-cantabro-de-la-economia-circular-y-la-bio-economia/>

21/11/2022 (for 6 months) *Impact of Circular Economy and Waste Policies on Rockwool*; Rockwool; €12k.

10/2021 (for 9 months) *Review of global best policy practices and design of a training course in the area of circular economy*; Interamerican Development Bank, Competitiveness & Innovation Division (CTI); service contract; 15k USD.

01/08/2021 for 6 months *Development of a public policy framework for green innovation*; Interamerican Development Bank, Competitiveness & Innovation Division (CTI); service contract; 18k USD (4,5k USD own budget) (with T. Konnola, C. Hermosilla & P. del Rio).

12/03/2021 for 4 months *Sector Study Circular Plastics in France*. Netherlands Business Support Office in Lyon / RVO; service contract; €23k

01/03/2021 for 3 months *Socio-economic impact of Circular Economy Policies (EPR) on baby and femcare products in France, UK, Germany, Netherlands and Belgium*. P&G. €105k.

12/2020 to 12/2021 *Impact Assessment Study - Sustainable Product Initiative (SPI)*. DG Internal Market, Industry, Entrepreneurship and SMEs, €550k (€170k own budget). Role: Task leader.

01/2015 to 12/2018 *European and Latin American Business Services and Innovation Network (ELAN) – Component Two*. European Commission, EuropeAid; Total budget €5,5 million EC contribution (own budget €450k).

01/04/2018 for 8 months *Green innovation policies for Latin America and the Caribbean Countries*. Interamerican Development Bank, Competitiveness and Innovation Division (CTI), Own budget 30k USD (ESW RGE-1546)

07/2015 for 18 months *Eco-innovation Solar PV Pilot in an organic and fair-trade farm. SAVID Dominicana*. Own budget 25k USD. Role: Lead initiator, proposal writing, contract negotiation; project manager.

01/ 2011 for 12 months *Analysis of the Future Application of Product Policy instruments in Europe*. European Commission, Joint Research Centre (European Commission); Own budget €193k

01/2010 for 8 months *European competitiveness in Key Enabling Technologies*. European Commission, DG Growth. Own budget €59k.

### Other successful grant and project proposals (proposal writing, grant negotiation) – selected projects (showing 5 out of 8)

01/01/2024 (for 36 months) *Securing local supply chains via the development of new methods to assess the circularity and symbiosis of the bio-based industrial ecosystem enhancing the EU competitiveness and resource independence - SYMBA (HORIZON-CL6-2023-CircBio-01-7)*. Horizon Europe – CSA. Total budget €1.5 million EC contribution (own budget €201k EC contribution) Role: Consortium formation/management, proposal writing; acquisition & grant agreement negotiation (PI until March 2024)

01/02/2024 (for 52 months) *Transformative climate resilience by nature-based solutions in the continental bio-geographical region - ARCADIA (HORIZON-MISS-2022-CLIMA-01-06)*. Horizon Europe – IA. Total budget €19.1 million EC contribution (own budget €787k EC contribution). Role: Consortium formation/management, proposal writing; acquisition & grant agreement negotiation

- 01/02/2024 (for 48 months) *Nature Based Solutions for Atlantic Regional Climate Resilience - NBRACER (HORIZON-MISS-2022-CLIMA-01-06)* Horizon Europe IA, Total budget €17.7 million EC contribution (own budget €830k EC contribution). Consortium formation/management, proposal writing; acquisition & grant agreement negotiation.
- 01/02/2024 (for 60 months) *Demonstration and mainstreaming of nature-based Solutions for climate resilient transformation in the Mediterranean- DESIRMED (HORIZON-MISS-2022-CLIMA-01-06)* Horizon Europe programme IA; Total budget €18.4 million EC contribution (own budget €782k EC contribution).
- 01/08/2023 (for 60 months) Specific Grant Agreement n°1 to Scale the Cities Mission Platform NZC-SGA (HORIZON-MISS-2022-CIT-SGA). Horizon Europe programme RIA (SGA); Total budget €83 million EC contribution (CKIC budget €53 mo EC contribution). Role: consortium management, team supervision and admin support; acquisition & grant agreement negotiation

**Philanthropic donations:**

- 01/05/2023 (for 36 months) Building circular economy innovation clusters in Bangaluru and Nairobi. IKEA Foundation; Total budget €4 million (CKIC budget €1.8 mo EUR)/ Role: proposal writing <https://www.climate-kic.org/circular-economy-innovation-clusters/>

**Grant scholarships (postgraduate education)**

- Government of the State of Mexico Outstanding Scholarship Program, Contribution towards MPhil/PhD in Development Studies at the University of East Anglia, Value of €4,000 (2007)
- Mexican Ministry of Education Postgraduate Education Scholarship. Contribution towards the fees of the MPhil/PhD in Development Studies, University of East Anglia, United Kingdom, with a value of €4000 (2007)
- MERIT/UNU-INTECH PhD internship programme (Eco-innovation Research), Institute for New Technologies (now Maastricht Economic and Social Research Institute on Innovation and Technology - UNU-MERIT), United Nations University and University of Maastricht, Netherlands, with a value of € 2,724, with Professor Rene Kemp (2005)
- Mexican Council of Science and Technology Scholarship. Full sponsorship with a value of ~€70,000. MPhil/PhD at the University of East Anglia, (2002-2006)
- British Chevening Scholarship of the British Commonwealth Office. Contribution towards the fees with a value of €5,500. MPhil/PhD in Development Studies at the University of East Anglia, (2002 – 2003)
- Mexican Council of Science and Technology Scholarship. Full sponsorship of the Master in Philosophy in Economics and Management with a value of € 9,000, Universidad Autonoma Metropolitana (2000 – 2002)
- Universidad Autonoma del Estado de Mexico Academic Scholarship with a value of 2.500 EUR, Bachelor's Degree in Chemical Engineering (1995-2000).

**Supervision, evaluation and mentoring (selected students – showing 9 out of 22)****PhD students**

Name	Degree	School	Thesis	Status
<b>Ms. Asia Guerreschi</b> (IT)	PhD in Sustainability and Wellbeing	University of Ferrara (ITA)	Integrated Innovations for the Circular Economy and Decarbonization in Production Cooperatives for Environmental, Economic, and Social Sustainability	Completed (2025) – <i>cum laude</i> .
<b>Ms. Diana Rivera</b> (MEX)	PhD in Social Sciences	Universidad Autonoma Metropolitana Xochimilco (MX)	<i>Sustainable Energy Transition in Mexico: the case of Geothermal Energy</i>	Completed (2022).

**Master's students (ongoing and recent – least 2 years, showing 3 out of 6)**

Name	Degree	School	Thesis	Status
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<b>Ms. Cecilia COPPOLA</b> (IT)	Masters degree in Sustainability and Social Innovation	HEC Paris (FR)	<i>Sustainability and ESG practices within U.S. consulting firms</i>	Completed (2025)
<b>Mr. Corentin TENAILLEAU</b> (FR)	Masters degree in strategic management	HEC Paris (FR)	<i>Resist and Transform: How to make your Business Model Climate Resilient. Insights from the transportation &amp; logistics industry.</i>	Completed (2025)
<b>Mr. Lesly Errol ONANGA SCHMIDT</b> (GA)	Global Executive Masters in Management: Track: Sustainable Leadership in Africa	HEC Paris (FR)	<i>Dans quelle mesure la mise en place de critères d'évaluation ESG dans leur gouvernance peut-il être un facteur de pérennité pour les entreprises pétrolières, afin de leur permettre d'amorcer un renouveau stratégique vers une entreprise plus durable : le cas de la Gabon Oil Company (GOC)</i>	Completed (2025)

### Examiner PhD /committees (last 3 years – showing 4 out of 7)

Name	Degree	School	Thesis	Dates
<b>Ms. Isabella Pimentel Pincelli</b> (IT)	Doctor of Philosophy in Engineering.	Victoria University Wellington (NZ)	<i>Integrating life cycle thinking in the analyses of energy transitions: The case of electricity generation supply in Aotearoa New Zealand</i>	May 2025
<b>Ms Nikki Korsten</b> (ZA)*	PhD in Sustainability	School of Public Leadership, Stellenbosch University (ZA)	<i>The impact of residential rooftop PV on low-income electricity consumers in Stellenbosch Municipality</i>	March 2025
<b>Mr. Rafael I. Mora C.</b> (CO)	PhD in Management of Organisations / PhD in Economics and Business Management	Universidad de la Sabana, International School of Economics and Administrative Sciences (CO) / Universidad de Alcalá, Department of Economics and Business (ES)	<i>Multidimensional model for the circular economy in manufacturing companies. From implementation to sustainability performance improvement</i>	March 2025
<b>Mr. Andrew Earl</b> (ZA)*	PhD Engineering Management	Dep. Ind. Engineering, Stellenbosch University (ZA)	<i>Co-design in Living Labs for Energy Transitions in Urban Africa</i>	Dec 2024

### Editor and Evaluator

#### Editorial appointments

2024-2026	<i>Guest editor at Journal of Cleaner Production, Environmental Nexus (Elsevier), Sustainability (MDPI), Frontiers in Environmental Economics (Frontiers).</i>
Since 2021	<i>Associate Editor, Cleaner Waste Systems – Elsevier ISSN: 2772-9125</i> <a href="https://www.sciencedirect.com/journal/cleaner-waste-systems/about/editorial-board">https://www.sciencedirect.com/journal/cleaner-waste-systems/about/editorial-board</a>
2024	<i>Associate Editor, Applications of Circular Economy Journal.</i> <a href="https://applicationspublishers.com/index.php/ace/about/editorialTeam">https://applicationspublishers.com/index.php/ace/about/editorialTeam</a>
2009-2019	<i>Managing editor (and Co-founder). TNO Working paper series, ISSN 2211-0054</i> <a href="https://www.tno.nl/en/newsroom/papers/">https://www.tno.nl/en/newsroom/papers/</a>

#### Reviewer (Ad-hoc) – selected journals

1. Nature Energy 5-year Impact Factor (IF) (2021) 72.478
2. Business Strategy and the Environment IF 10.302 (WoS); 4-year IF (Scopus) 11.293
3. Journal of Cleaner Production IF: 9.297 (WoS); 5-year IF (Scopus) 10.956
4. Journal of Environmental Innovation and Sustainability Transitions Impact Factor (2018): 7.51
5. Ecological Economics IF (2018): 4.281; 5-year IF 4.803

#### Evaluator (Ad-hoc) – selected programmes

1. European Framework Programmes of Research (FP7, H2020, Horizon Europe), European Commission (EREA, CINEA, HADEA, DG RTD), Since 2013

2. Dutch Research Council NWO (NWA-ORC), the Netherlands, Since 2021.
3. Social Sciences and Humanities Research Council (SSHRC), Canada, Since 2017
4. National Council of Science and Technology (CONACYT), Mexico Since 2014
5. National Research Foundation (NRF), South-Africa, Since 2013.

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## Societies and Fellowships

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### Academy Member

1. Level 1 Mexican Research System (SNI 1- Sistema Nacional de Investigadores), National Council for Science and Technology CONACYT (2009 – 2016)

### Membership of professional and academic bodies / societies

1. Member, European Association of Environmental and Resource Economist – EAERE <https://www.eaere.org/> Since 2025.
2. Member, Society for Ecoinnovation Studies. Since 2021.
3. Member, Sustainability Transitions Research Network. ([transitionsnetwork.org](http://transitionsnetwork.org)), Since 2010
4. Member, International Sustainable Development Research Society ([isdrs.org](http://isdrs.org)), Since 2008
5. Member, 6 Countries Programme – the Innovation Policy Network (<https://www.6cp.net/>), 2007-2019
6. Member, European Forum for Studies of Policies for Research and Innovation – EUSPRI (<http://euspri-forum.eu/>), from 2010-2019.
7. Member, Globelics – the Global Research Network, <http://www.globelics.org/>, from 2002-2004 and since 2019
8. Member, ALTEC – Latin American Association for Technology Management, <https://www.altecasociacion.org/>, from 2001-2003 and since 2019

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## Commissions And Representation

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### Scientific Committees

1. Member Scientific Board, PhD Programme on Sustainability and Wellbeing, University of Ferrara (ITA). <https://www.unife.it/studenti/dottorato/it/corsi/riforma/environmental-sustainability-and-wellbeing> Since 2021
2. Member of the Steering Board and Co-Founder, Eco-innovation Society (FRA) <https://www.inno4sd.net/ecoi-society-6> Since 2021
3. Scientific Advisory Board, *Maximising the synergy of European research Governance and Innovation for Climate Action- MAGICA project*, Horizon Europe, Since 2023.
4. Chairman and Member of the Steering Committee, *Innovation for Sustainable Development Network* (2017-2022). <http://www.inno4sd.net/>

### Advisory Boards

1. Chairman of the Supervisory Board, Causa Natura (MEX) <http://causanatura.org/> Since 2015
2. Member of the Scientific Board, FEMIA - Forum for Euro-Mediterranean Innovation in Action ([femia.org/](http://femia.org/)), Paris, France. (2013-2014).
3. Member of the Steering Board of the Europe-Latin America Business and Innovation Network (2015-2019).
4. Member of the Advisory Board, South Africa eco-innovation pilot implementation project in South Africa, implemented by the National Council for Scientific Research (National Cleaner Production Centre), Pretoria, South Africa. (2015-2016).

### High-level groups and commissions (non-academic)

1. Expert group member, *Circular Economy Platform of the Americas* ([cep-americas.com/](http://cep-americas.com/)), Aruba. (2017- 2025).
2. Member of High-level expert group advising the Mexican Senate's Commission of relations to the EU for the revision of the global agreement between Mexico and the European Union (2014-2015).
3. Council Member, Civil Society representative, Mexico State Youth Council, Toluca, Mexico, 1999-2001

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## Scientific Chairs and Committees

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### Scientific Chair of Conferences

1. **Scientific Chair.** 14th International Workshop Advances for Cleaner Production “Aligning cleaner production with planetary boundaries: green innovation, decarbonisation & circularity in action”. HEC Paris. Oct 13-15, 2025.
2. **Scientific Chair.** 10<sup>th</sup> International Workshop Advances for Cleaner Production “A Resilient and Sustainable World: Contributions of Cleaner Production, Circular Economy and Eco-innovation”. Organised by Paulista University, inno4sd and University of Ferrara. Nov 11-12, 2021 (confirmed).
3. **General Chair.** *Fifth Annual Symposium on Innovation for Sustainable Development “Social innovation and financing for the SDGs”*. Organised by: Inno4sd, Universidad Iberoamericana, TNO, University of Ferrara, Stellenbosch University, and others. Mexico City, Nov 14-15, 2019
4. **General Chair.** *Fourth Symposium and High-level Policy Dialogue on Innovation for Sustainable Development “Policies and Partnerships for the Sustainable Development Transition”*. Inno4sd, TNO, University of Ferrara, Future Earth, SDSN, ALDE, Japan Science and Technology Agency, Green Growth Knowledge Platform. Brussels, Nov 7-9, 2018.
5. **General Co-chair:** *Foro Internacional de Innovación para el Desarrollo Sostenible e Innovación de Alto Impacto*. Organised by; Inno4sd, TNO, ITESO Universidad Jesuita de Guadalajara, with Dr Martha Leticia Silva Flores (ITESO). Guadalajara. June 18-21, 2018.
6. **General Co-chair.** *Third Symposium on Innovation for Sustainable Development “Africa-Europe Dialogue Symposium on Innovation for Sustainable Development”*, Inno4sd, TNO, Stellenbosch University, Pretoria University, CSIR, University of Ferrara, UCL, and others; with Professor Alan Brent (Stellenbosch University), Professor Massimiliano Mazzanti (UNIFE). Pretoria. Nov 29-Dec 1<sup>st</sup>, 2017.

### Scientific Committees of Seminars and Workshops (selected)

1. **Academic workshop:** *Eco-innovation for decarbonization and circularity. 3rd International Workshop of the Eco-innovation Society*. Organised by the Inter-University Research Centre SEEDS (Sustainability, Environmental Economics and Dynamics Studies) and HEC Paris and at the University of Ferrara (EAERE supported event). 27-28 November 2025. <https://www.hec.edu/en/society-organizations-institute/events/3rd-international-workshop-eco-innovation-society>
2. **Academic workshop:** *“Eco-innovation for decarbonization and circularity: aligning business and policy with planetary boundaries”*. *Second workshop of the ecoinnovation society*. Organised by HEC Paris and the Inter-University Research Centre SEEDS (Sustainability, Environmental Economics and Dynamics Studies) at the HEC Paris campus. 28-29 November 2024. <https://www.hec.edu/en/society-organizations-institute/events/ecoinnovation-society-2024-2nd-bi-annual-workshop>
3. **Academic workshop:** *More than 20 years of Eco-innovation research: lessons learnt and new directions. First workshop of the ecoinnovation society*. Organised by EIT Climate KIC and the Inter-University Research Centre SEEDS (Sustainability, Environmental Economics and Dynamics Studies) at the University of Ferrara. 10-11 November 2022. <https://www.inno4sd.net/eco-innovation-society-first-annual-workshop-2022-1406>
4. **Conference series:** Looking for Integral Development. Theories and practices to implement circular and ecologically oriented economic systems and build a fairer society (four seminars). Organised by the University of Ferrara, Inno4sd, Pontificia Universidad Católica de Chile. June 16, 23, 30 and 7 July, <http://www.unife.it/it/lfid>
5. **Academic workshop:** *Africa in the Sustainability transition: behavioural change and political economy perspectives*. Organised by the Inter-University Research Centre SEEDS (Sustainability, Environmental Economics and Dynamics Studies) at the University of Ferrara. 25-25 May 2021.
6. **Academic workshop:** *Making the Circular Economy work for Sustainability: From theory to practice*. Organised by the Centre for Research in Circular Economy, Innovation and SMEs (CERCIS) and the Inter-University Research Centre SEEDS (Sustainability, Environmental Economics and Dynamics Studies) at the University of Ferrara, University of Ferrara. 25-25 May 2021.
7. **Conference:** *EU-SPRI 2018 Conference “Governance and Relevance: Towards a New Generation of Research and Innovation Policies”*. Hosted by EU SPRI and IFRIS. 6-8 June, Paris, France. (2018).
8. **Conference:** *19th annual International Sustainable Development Research Conference*, Stellenbosch, South Africa. (2013).

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### External visibility & outreach (keynotes, panels, etc).

#### Keynotes, talks, forums

Over 115 keynotes, panels and interventions in academic, business and policy forums.

#### Media Coverage / online presence (selected, past 3 years)

1. *Fernando Díaz López, corapporteur du GIEC : « A la COP30, j'ai bon espoir de faire avancer la décarbonation de l'industrie »* (by Sylvan Courage), November 9th, 2025

- <https://www.nouvelobs.com/ecologie/20251109.OBS109597/fernando-d-az-lopez-corapporteur-de-la-cop30-j-ai-bon-espoir-de-faire-avancer-la-decarbonation-de-l-industrie.html>
2. *IPCC Taps French-based Scientist to Steer “Industry” Chapter of Assessment Report* (by Daniel Brown). November 7<sup>th</sup>, 2025. <https://www.hec.edu/en/school/news/ipcc-taps-french-based-scientist-steer-industry-chapter-assessment-report>
  3. *HEC Paris Hosts Kick-Off of the EU-Funded UNDERPIN Project on Climate Resilience* (by Laurianne Thoury). October 20<sup>th</sup>, 2025. <https://www.hec.edu/en/society-organizations-institute/news/hec-paris-hosts-kick-eu-funded-underpin-project-climate-resilience>
  4. *HEC Paris Academic Appointed IPCC Lead Author on Industry* (by Maud Clerc). September 18<sup>th</sup>, 2025. <https://www.hec.edu/en/society-organizations-institute/news/hec-paris-academic-appointed-ipcc-lead-author-industry>
  5. *Young Researchers Converge at HEC Paris to Rethink Climate Leadership* (by Daniel Brown). June 20<sup>th</sup>, 2025. <https://www.hec.edu/en/society-organizations-institute/news/young-researchers-converge-hec-paris-rethink-climate-leadership>
  6. *HEC Paris at ChangeNOW: “Our mission is to spark a meaningful debate on climate and business”* (by Maud Clerc). May 5<sup>th</sup>, 2025. <https://www.hec.edu/en/society-organizations-institute/news/hec-paris-changenow-our-mission-spark-meaningful-debate-climate-and-business>
  7. *Eco-Innovation Society 2024: A Global Conclave for Greener Futures* (by Daniel Brown). Dec 18<sup>th</sup>, 2024. <https://www.hec.edu/en/society-organizations-institute/news/eco-innovation-society-2024-global-conclave-greener-futures>
  8. *Addressing Climate Change in Business Education* (by Laurianne Thoury). Sept. 20<sup>th</sup>, 2024. <https://www.hec.edu/en/society-organizations-institute/news/new-partnership-addressing-climate-change-business-education>
  9. *Clean Tech Innovation: A Crucial Lever Against Climate Change* (by Thiago Penteado). July 28<sup>th</sup>, 2024. <https://www.hec.edu/en/society-organizations-institute/news/clean-tech-innovation-crucial-lever-against-climate-change>
  10. *EIT Climate-KIC enables policymakers in LATAM to drive circular economy transition* (by Marina Gil V.). Aug. 10<sup>th</sup>, 2023. <https://www.climate-kic.org/news/eit-climate-kic-enables-policymakers-in-latin-america-and-the-caribbean-to-drive-circular-economy-transition/>
  11. *The practice of climate adaptation in a challenging environment* (by Anne-Sophie Garrigou & Aida Khalilova). July 13<sup>th</sup>, 2023. <https://www.climate-kic.org/news/the-practice-of-climate-adaptation-in-a-challenging-environment/>
  12. *Nature-based solutions for climate adaptation* (by Anne-Sophie Garrigou and Aida Khalilova). June 16<sup>th</sup>, 2023. <https://www.climate-kic.org/news/nature-based-solutions-for-climate-adaptation/>
  13. *Why should we care about climate adaptation in Europe?* (by Anne-Sophie Garrigou & Aida Khalilova). May 22<sup>nd</sup>, 2023. <https://www.climate-kic.org/news/why-should-we-care-about-climate-adaptation-in-europe/>
  14. *Pathways2Resilience launches to accelerate climate adaptation in European regions* (by Anne-Sophie Garrigou & Aida Khalilova). Jan 31<sup>st</sup>, 2023, <https://www.climate-kic.org/press-releases/pathways2resilience-climate-adaptation-europe/>
  15. *Recapping the first ever Cantabrian Festival of Circular Economy and Bioeconomy* (by Marina Gil V. & N. Alandete). December 22<sup>nd</sup>, 2022. <https://www.climate-kic.org/news/58383-2/>
  16. *EIT Climate-KIC organises first Festival of Circular Economy and Bioeconomy in Santander.* (by N. Alandete). November 28<sup>th</sup>, 2022. <https://www.climate-kic.org/news/eit-climate-kic-organises-first-festival-of-circular-economy-and-bioeconomy-in-santander/>