

School/Department:	Rotterdam School of Management Department of Strategic Management & Entrepreneurship Burgemeester Oudlaan 50 3062 PA Rotterdam The Netherlands
Project Title:	Technological Innovation for Climate Change Adaptation
Abstract:	<p>"Just transitions" require complex and fundamental changes to existing businesses and societal structure. Given these challenges, the discourse on climate change is starting to shift from mitigation to adaptation. Despite adaptation becoming an important part of the mainstream public discourse on climate change, adaptation strategies vis-à-vis technological innovation and foreign direct investment are grossly understudied.</p> <p>While efforts to mitigate climate change remain critical, it has become clear that they are unlikely to be completely successful (UNFCCC, 2021). Climate change adaption, defined as the "adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm" (IPCC, 2001), will thus become a necessity. Despite adaptation becoming an important part of the mainstream public discourse on climate change, organizational adaptation strategies in response to the physical impact promised by climate change are grossly understudied. That may not be surprising, as environmental scientists tend to consider climate change in terms of rising sea levels, biodiversity loss, extreme weather events, and associated mitigation efforts. Business and management scholars tend to focus on understanding the regulations and policies that mitigate the adverse effect of climate change on economic sustainability of countries, regions, and organizations. They are reflected in a focus on mitigation-related research questions (for exceptions, see Linnenluecke & Griffiths, 2010, 2012; Tashman & Rivera, 2016; Winn et al., 2011). Consequently, existing literature lacks the capacity to explain accurately and insightfully what will be needed to facilitate sustainable CCA strategies.</p> <p>multilevel project explores the role of technological innovation in CCA strategies. Such technological innovation will be needed to achieve more resilient industrial structures across multiple levels, most likely results in large-scale and significant shifts across global value chains. In this sense, technological and industrial transitions require policy makers and organizations to consider a much broader set of strategies within multiple layers of their socio technical systems (Coenen et al., 2012; Kwak & Yoon, 2021; Markard et al., 2012; Schot & Steinmuller, 2018). However, the socio-technical systems literature has often neglected where such</p>

	<p>transitions take place, and the spatial configurations and interaction dynamics among the institutional key actors in those geographic spaces (Coenen et al., 2012). This is problematic, given that unlike climate change mitigation where location matters to a lesser degree because the climate change impact is often temporally and spatially distant from their anthropogenic causes, CCA is a direct function of geography, as the risks associated with climate change to firms – climate risk – are variably distributed across the globe in terms of both magnitude and kind of impact (Linnenluecke & Griffiths, 2012). However, even if firms are not directly affected by the physical impact that climate change promises to bring forth, they may be indirectly vulnerable through different channels including trade, infrastructure and transport, geopolitics and security risks, human mobility related to migration and finance” (EEA, 2017, p.13). In this sense, it is critical to understand how technological CCA innovation and specifically its implications for the spatial configurations and interaction dynamics among the key institutional actors within which transitions of global value chain evolve.</p> <p>It follows that the importance of global value chains and their orchestration by multinational corporations and born global firms is crucial in determining the outcomes of CCA efforts (Buckley, 2021). Hence, the role of focal firms in creating and transferring innovations (Enderwick & Buckley, 2019) via FDI needs to be examined.</p> <p>Overall, this project should shed light on antecedents and consequences of CCA innovation at multiple pillars of innovation systems (e.g., national, sectoral, and project-level).</p> <p>References: Buckley, P.J. (2021) Exogenous and endogenous change in global value chains. <i>Journal of International Business Policy</i>, 4, 221-227. Coenen, L., Benneworth, P., & Truffer, B. (2012). Toward a spatial perspective on sustainability transitions. <i>Research Policy</i>, 41(6), 968-979. Intergovernmental Panel on Climate Change (IPCC). (2001). <i>Climate Change 2001: Impacts, Adaptation, and Vulnerability</i>. Cambridge University Press: Cambridge, UK. Enderwick, P., & Buckley, P. J. (2019). Beyond supply and assembly relations: Collaborative innovation in global factory systems. <i>Journal of Business Research</i>, 103, 547-556. Kwak, K., & Yoon, H.D. (2020). Unpacking transnational industry legitimacy dynamics, windows of opportunity, and latecomers’ catch-up in complex product systems. <i>Research Policy</i>, 49(4), 103954. Linnenluecke, M., & Griffiths, A. (2010). Beyond adaptation: resilience for business in light of climate change and weather extremes. <i>Business & Society</i>, 49(3), 477-511. Linnenluecke, M. K., & Griffiths, A. (2012). Assessing organizational resilience to climate and weather extremes: complexities and</p>
--	---

	<p>methodological pathways. <i>Climatic Change</i>, 113(3), 933-947.</p> <p>Markard, J., Raven, R., & Truffer, B. (2012). Sustainability transitions: An emerging field of research and its prospects. <i>Research Policy</i>, 41(6), 955-967.</p> <p>Schot, J., & Steinmueller, W. E. (2018). Three frames for innovation policy: R&D, systems of innovation and transformative change. <i>Research Policy</i>, 47(9), 1554-1567.</p> <p>Tashman, P., & Rivera, J. (2016). Ecological uncertainty, adaptation, and mitigation in the US ski resort industry: Managing resource dependence and institutional pressures. <i>Strategic Management Journal</i>, 37(7), 1507-1525.</p> <p>United Nations Framework Convention on Climate Change (UNFCCC). (2021). Nationally Determined Contributions under the Paris Agreement. UNFCCC: Bonn, Germany. Accessed February 26, 2021, https://unfccc.int/sites/default/files/resource/cma2021_02_adv_0.pdf</p> <p>Winn, M., Kirchgeorg, M., Griffiths, A., Linnenluecke, M. K., & Günther, E. (2011). Impacts from climate change on organizations: a conceptual foundation. <i>Business Strategy and the Environment</i>, 20(3), 157-173.</p>
Requirements of candidate:	<p>Background: Economics, Management, Strategic Management</p> <p>Master's degree: Yes</p> <p>EUR requirement: See Table Information about English requirements</p> <p>(If the faculty does not have special English requirements, general requirement from Admission Office is applied)</p>
Supervisor information:	<p>Promoter: Prof. dr. Justin Jansen</p> <p>Email address: jjansen@rsm.nl</p> <p>Personal website: https://www.rsm.nl/people/justin-jansen/</p> <p>Recent publication list:</p> <ul style="list-style-type: none"> • T.S. Tarba, J.J.P. Jansen, T.J.M. Mom, S. Raisch, & T. Lawton (2020). Microfoundational Perspective of Organizational Ambidexterity: Critical Review and Research Directions. <i>Long Range Planning</i>, 53(6), [10248]. • R.R. Blagoeva, K. Kavusan, & J.J.P. Jansen (2020). Who Violates Expectations When? How Firms' Growth and Dividend Reputations affect Investors' Reactions to Acquisitions. <i>Strategic Management Journal</i>, 41(9): 1712-1742. doi.org/10.1002/smj.3155. • A.S. Alexiev, J.J.P. Jansen, H.W. Volberda & Frans, A.J. Van Den Bosch (2020). Contextualizing Senior Executive Advice Seeking:

	<p>The Role of Decision Process Comprehensiveness and Empowerment Climate. <i>Organization Studies</i>, 41(4): 471-497. doi.org/10.1177/0170840619830128.</p> <ul style="list-style-type: none"> • R.R. Blagoeva, T.J.M. Mom, J.J.P. Jansen & G. George (2020). Problem-solving or Self-Enhancement? A Power Perspective on how CEOs affect R&D search in the face of inconsistent feedback. <i>Academy of Management Journal</i>, 63(2): 332-355. doi.org/10.5465/amj.2017.0999. • S.P.L. Fourne, N. Rosenbusch, M.L.M. Heyden & J.J.P. Jansen (2019). Structural and Contextual Approaches to Ambidexterity: A Meta-Analysis of Organizational and Environmental Contingencies. <i>European Management Journal</i>, 37(5): 564-576. doi.org/10.1016/j.emj.2019.04.002. • T.J.M. Mom, Y.Y. Chang, M.N. Cholakova & J.J.P. Jansen (2019). A Multilevel Integrated Framework of Firm HR Practices, Individual Ambidexterity and Organizational Ambidexterity. <i>Journal of Management</i>, 45(7): 3009-3034. doi.org/10.1177/0149206318776775. • H. Fasaei, M.P. Tempelaar & J.J.P. Jansen (2018). Firm Reputation and investment decisions: The contingency role of securities analysts' recommendations. <i>Long Range Planning</i>, 51(5): 680-692. doi: 10.1016/j.lrp.2017.07.010. • Garcia-Granero, A. Fernandez-Mesa & J.J.P. Jansen (2018). Top Management Team Diversity and Ambidexterity: The Contingent Role of Shared Responsibility and CEO Cognitive Trust. <i>Long Range Planning</i>, 51(6): 881-893. doi.org/10.1016/j.lrp.2017.11.001. • P. Wang, V.J.A. van de Vrande & J.J.P. Jansen (2017). Balancing Exploration and Exploitation in Inventions: Quality of Inventions and Team Composition. <i>Research Policy</i>, 46(10): 1836-1850. doi: 10.1016/j.respol.2017.09.002. • S. Ahmadi, S. Khanagha, L. Berchicci & J.J.P. Jansen (2017). Are Managers Motivated to Explore in the Face of a New Technological Change? The Role of Regulatory Focus, Fit, and Complexity of Decision-Making. <i>Journal of Management Studies</i>, 54(2): 209-237. doi: 10.1111/joms.12257. • J.J.P. Jansen, K. Kostopoulos, O. Mihalache & A. Papalexandris (2016). A Socio-Psychological Perspective on Team Ambidexterity. <i>Journal of Management Studies</i>, 53(6): 939-965. doi: 10.1111/joms.12183. <p>Co-Promoter: Dr. Mirko Benischke Email address: benischke@rsm.nl Personal website: https://www.rsm.nl/people/mirko-benischke/ Recent publication list, preferably last 3-5 years (1-2 pages):</p> <ul style="list-style-type: none"> • M.H. Benischke, O. Guldiken, J.P. Doh, G.P. Martin & Y. Zhang (2021). Political Risk, Uncertainty, And Behavioral Agency in Multinational Establishment Mode: The Role of CEO Equity Wealth
--	---

	<p>at Risk. <i>Journal of World Business</i>, accepted.</p> <ul style="list-style-type: none"> • M. Mallon, O. Guldiken, M.H. Benischke, D. Feng & T. Nguyen (2021). Is there an Advantage of Emergingness? A Politico-Regulatory Perspective. <i>International Business Review</i>, accepted. • G. Ljubownikow, M.H. Benischke & A. Nadolska (2021). Multimarket Contact and Target Size: The Moderating Effect of Market Concentration and Location. <i>Strategic Organization</i>, in press. doi: https://doi.org/10.1177/14761270211009745. • M.H. Benischke, G.P. Martin, L.R. Gomez-Mejia & G. Ljubownikow (2020). The Effect of CEO Incentives on Deviations from Institutional Norms in Foreign Market Expansion Decisions: Behavioral Agency and Cross-Border Acquisitions. <i>Human Resource Management</i>, 59(5): 463-482. doi.org/10.1002/hrm.22006. • J.P. Doh, P. Tashman & M.H. Benischke (2019). Adapting to Grand Environmental Challenges through Collective Entrepreneurship. <i>Academy of Management Perspectives</i>, 33(4): 450-468. doi: 10.5465/amp.2017.0056. • M.H. Benischke, G.P. Martin & L. Glaser (2019). CEO Equity Risk Bearing and Strategic Risk Taking: The Moderating Effect of CEO Personality. <i>Strategic Management Journal</i>, 40(1): 153-177. doi: 10.1002/smj.2974. • C. Tupper, O. Guldiken & M.H. Benischke (2018). Capital Market Liability of Foreignness of IPO Firms. <i>Journal of World Business</i>, 53(4): 555-567. doi: 10.1016/j.jwb.2018.03.001. • S.H. Ang, M.H. Benischke & A.W.L. Hooi (2018). Frequency of International Expansion through High Control Expansion Modes and Interlocked Directorships. <i>Journal of World Business</i>, 53(4): 493-503. doi: 10.1016/j.jwb.2018.02.003. • P.J. Buckley, J.P. Doh & M.H. Benischke (2017). Towards a Renaissance in International Business Research? Big Questions, Grand Challenges, and the Future of IB Scholarship. <i>Journal of International Business Studies</i>, 48(9): 1045-1064. doi: 10.1057/s41267-017-0102-z. • S.H. Ang, M.H. Benischke & J.P. Doh (2015). The Interactions of Institutions on Foreign Market Entry Mode. <i>Strategic Management Journal</i>, 36(10): 1536-1553. doi: 10.1002/smj.2295. <p>Co-Promoter: Dr. Ajay Bhaskarabhatla (Erasmus School of Economics, Department of Applied Economics) Email address: bhaskarabhatla@ese.eur.nl Personal website: https://www.erim.eur.nl/people/ajay-bhaskarabhatla/ Recent publication list, preferably last 3-5 years (1-2 pages):</p> <ul style="list-style-type: none"> • Bhaskarabhatla, A., Anurag, P., Chatterjee, C., & Pennings, E. (2021). How Does Regulation Impact Strategic Repositioning by Firms Across Submarkets? Evidence from the Indian Pharmaceutical Industry. <i>Strategy Science</i>, in press.
--	--

Erasmus University Rotterdam, the Netherlands
 CSC PhD 2022 Project Description (proposal)
 Application to: euccchinaoffice@eur.nl
 Application deadline: Friday Mar 4, 2022



	<ul style="list-style-type: none"> • Bhaskarabhatla, A., Cabral, L., Hegde, D., & Peeters, T. (2021). Are Inventors or Firms the Engines of Innovation?. <i>Management Science</i>, 67(6), 3899-3920. • Adbi, A., Bhaskarabhatla, A., & Chatterjee, C. (2020). Stakeholder orientation and market impact: Evidence from India. <i>Journal of Business Ethics</i>, 161(2), 479-496. • Bhaskarabhatla, A. (2020). Maximum Resale Price Maintenance and Retailer Cartel Profits: Evidence from the Indian Pharmaceutical Industry. <i>Antitrust Law Journal</i>, 83(1), 41-73. • Bhaskarabhatla, A. (2018). <i>Regulating Pharmaceutical Prices in India</i>. Springer. • Bhaskarabhatla, A., Chatterjee, C., Anurag, P., & Pennings, E. (2017). Mitigating regulatory impact: the case of partial price controls on metformin in India. <i>Health Policy and Planning</i>, 32(2), 194-204. • Bhaskarabhatla, A. (2016). The moderating role of submarket dynamics on the product customization–firm survival relationship. <i>Organization Science</i>, 27(4), 1049-1064.
--	---

English requirements: Please refer to Erasmus University China Center official website for your information www.eur.nl/eucc

Erasmus University China Center -> CSC Scholarship -> "I am a prospective CSC PhD Candidate" -> Table 1

Please note that each institute requires difference level of English, make sure to find the right institute. 2022 CSC-PhD programme information will be shared and updated soon!