

SUYASH JOLLY

Universitetsalleen 11, N-8049 Bodø, Norway
Email: sjo@nforsk.no; suyashjolly611@gmail.com
Tel: 47-94866364; 91-9997333530

CURRENT POSITION

12/2020- onwards: Senior Researcher (Forsker II), Business Research Group, Nordland Research Institute (Nordlandsforskning), Bodø, Norway

12/2019-onwards: Affiliated Member, Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE), Lund University, Sweden

PREVIOUS ACADEMIC POSITIONS

09/2019- 11/2020: Researcher, Department of Human Geography, Faculty of Social Sciences, Lund University, Lund, Sweden

09/2017-08/2019: Postdoctoral Researcher, Department of Human Geography, Faculty of Social Sciences, Lund University, Lund, Sweden

03/2016- 03/2017: Postdoctoral Researcher, Division of History of Science, Technology, and Environment, KTH Royal Institute of Technology, Stockholm, Sweden

04/2015-02/2016: Guest Researcher, Department of Industrial Engineering and Innovation Sciences, Eindhoven University of Technology, Eindhoven, The Netherlands

03/2011- 03/2015: Doctoral researcher, Department of Industrial Engineering and Innovation Sciences, Eindhoven University of Technology, The Netherlands
Supervisors: Dr. ir. R.P.J.M Raven and Dr. ir. Geert Verbong

08/2010-02/2011: Project researcher in the DIME Project: An evolutionary approach to development and institutions: an application to technological change in the agro-food sector. DIME Network of Excellence, European Union 6th Framework Programme (2010-2011)

04/2017-08/2017: I was not officially employed during this period as I finished my job at KTH Royal Institute of Technology in March 2017 and had to go back to my home country, India for a certain period to get a new Swedish visa to start my new job in Lund University in September 2017

VISITING POSITION

06/2019-06/2019: Visiting researcher, Department of Technology Management, SINTEF, Trondheim, Norway (Key task: Work on a project focusing on comparing offshore wind energy development in Normandy, France, and South Denmark, Denmark)

EDUCATIONAL QUALIFICATIONS

03/2011-02/2016: Ph.D., Department of Industrial Engineering and Innovation Sciences Eindhoven University of Technology, Eindhoven, The Netherlands (Thesis submitted in October 2015 to the doctoral committee for review. Date of doctoral defense: 18th February 2016)

Doctoral thesis title: Collective institutional entrepreneurship for fostering sustainable energy transitions in India

Doctoral Committee: Prof. Dr. I.E.J. (Ingrid) Heynderickx (Chairman); Prof. Dr. ir. R.P.J.M. Raven (promotor); Prof. Dr. ir. Geert Verbong (co-promotor); Prof. Dr. Frans Berkhout; Prof. Dr. Peter Karnøe; Prof. Dr. Lex Lemmens; Associate Professor Dr. Henny Romijn

03/2011- 11/2014: Graduate Certificate in Science and Technology Studies (STS), WTMC Netherlands Graduate Research School of Science, Technology, and Modern Culture (WTMC)

08/2008-08/2010: MSc. in Innovation Sciences, Eindhoven University of Technology, Eindhoven, The Netherlands (Graduated with Great Appreciation)

08/2008-08/2010: Certificate in Technology, Development, and Globalization (cTDG), Department of Industrial Engineering and Innovation Sciences, Eindhoven University of Technology, Eindhoven.

07/2004-06/2008: B. Tech in Mechanical Engineering, School of Mechanical and Building Sciences, Vellore Institute of Technology University, Vellore, India

AREAS OF INTEREST AND EXPERTISE

Theoretical expertise: Sustainability transitions, innovation studies, energy transitions, energy justice, circular economy, economic geography, regional development, neo-institutional theory focusing on the role of collective institutional entrepreneurship, social and sustainable entrepreneurship, frugal innovation in emerging economies, responsible innovation, business models for sustainability transitions and poverty alleviation, innovation policy, science and technology studies (STS), green growth and sustainable development

Methodological expertise: Qualitative case studies, longitudinal process studies, narrative explanation, historical and archival research, analysis of secondary data sources, participant observation in conferences and events, ethnographic methods

Empirical research: Solar PV energy, wind energy, smart grids, bio-economy, biogas, green maritime industry, offshore wind energy, sustainable plastics

Geographical areas of research: India, Sweden, Denmark, Finland, Norway, France, Switzerland

Teaching competencies: Sustainability transitions and system innovation, innovation studies, economic geography, the geography of sustainability transitions, regional green growth, qualitative research methods including field studies, Science and technology studies (STS), development studies.

RESEARCH PROJECT EXPERIENCE

Year	Project and role, funding from
2022-2028	INDIGO – Styrket regionalt industrielt innovasjonssystem for grønn omstilling. Funded by Research Council of Norway. Budget: 28 million NOK. Role: Project applicant and researcher in WP3.
2022	DigiTeRRI. Responsible research and innovation approach for transitioning the traditional industry regions into digitalised industry territories. Funded by EU Commission (H2020 project). Budget: € 2004037,50. Role: Working on a project task in WP4 (Deliverable D4.4).
2021	FACE IT: The future of Arctic coastal ecosystems - Identifying transitions in fjord systems and adjacent coastal areas. Funded by EU Commission (H2020 project). Budget: € 6753 205. Role:

	Working on a short task related to carrying out a transdisciplinary literature review (Milestone 15).
2021	UrbanMine: Institutionalisation processes in times of circular green transitions. Funded by the Research Council of Norway. Budget: 14 million NOK. Role: Working on a short task related to conducting a case study analysis of the firm Norsirk in WP4.
2020- 2021	BioTOP: Transformation-oriented Innovation policy in the bioeconomy: status, potentials, and strategies. Funded by the Federal Ministry of Education and Research (BMBF). Project coordinated by the Center for Regional and Innovation Economics (CRIE), University of Bremen. Role: Working as a project researcher on studying transformative innovation policy for transition towards bioeconomy in Swedish regions. (Task funding: €10000).
2020	STEPS: Sustainable Plastics and Transition Pathways. Financed by The Swedish Foundation for Strategic Environmental Research (Funded by MISTRA, Sweden). Budget: €9390000. Role: Working as a project researcher on studying the transition towards sustainable plastics in region Skåne.
2017-2020	GONST (Where Does the Green Economy Grow? The Geography of Nordic Sustainability Transitions. Budget: €2230000. Funded by Nordforsk, Nordic Energy Agency, and Nordic Innovation. Role: Participating researcher and contributing author in (WP4, WP5, and WP6).
2016-2017	'STandUP for Energy'. Project funded by KTH Royal Institute of Technology. Role: Researcher on an individual project on smart grid development in India.
2011-2016	Experimenting for Sustainability in India and Thailand: A transitions perspective on sustainable electricity and mobility initiatives. Funded by NWO WOTRO. Budget: €699228 Role: Participating researcher and contributing author.
2010-2011	Global knowledge structure and changes in cultivation practices: production and export of Indian Basmati. Funded by DIME. (Project Coordinator: Dr. Tommaso Ciarli, Max Planck Institute of Economics, Jena, Germany). Role: Worked as a researcher to carry out ethnographic research in Laksar, Haridwar district, India on cultivation, trading, and export of Fairtrade organic Basmati rice

FUNDING APPLICATIONS

1. REWIND (Recognizing social inequality and addressing systemic exclusion during the acceleration phase of sustainable energy transitions). Application submitted for Researcher Project Young Research Talents, Research Council of Norway (2022). Role: PI of the project

2. BIOCIRC-IMP (Advancing a European Circular Bioeconomy through Policy recommendations for Development and Implementation of Biocircular practices). HORIZON-CL6-2022-CIRCBIO-01-03. Horizon CSA. Role: Project partner.

3. RECONFIGURE (Reducing inequality while accelerating sustainability transitions in the remote North). Application submitted for Researcher Project Young Research Talents, Research Council of Norway (2021). Role: PI of the project.

Assessment: Overall assessment of the referee/panel: 6 (Excellent: "The proposal successfully addresses all relevant aspects of the criterion. Only minor shortcomings are present"). (Not funded). (<https://www.forskningsradet.no/en/processing-grant-applications/processing-applications/Scale-marks-assessment-criteria/>).

AWARDS, ACHIEVEMENTS, AND RESEARCH FUNDING

1. November 2018: Selected for presenting a paper in the OECD Green Growth and Sustainable Development (GGSD) Forum on the theme of “Inclusive solutions for the green transition: Competitiveness, jobs/skills, and social dimensions,” OECD Headquarters, Paris (<http://www.oecd.org/greengrowth/ggsd-2018/parallel-sessions/>)
2. September 2017: Postdoctoral research funding in the GONST (Geography of Nordic Sustainability Transitions) project (Project financed by Nordforsk, Nordic Innovation and Nordic Energy Research) (09/2017-09/2019) (Role: Contributing researcher)
3. September 2017: Ministry of Science and Technology, India, Department of Science and Technology, Policy Research Cell: DST Science, Technology, and Innovation Policy Fellowship (2017-2019)
Amount of fellowship: INR 232000 (2 years) (approx: 29100 EUROS) with extension possible for one year
Project title: Mission-oriented innovation policy for strengthening smart grid ecosystem: Comparative investigation of China and India (Announcement: http://www.dst.gov.in/sites/default/files/DST_STI_Policy_Fellowships%20nd%20Advts%202017_0.pdf; Result announcement: <http://www.dst.gov.in/sites/default/files/Result%20STI%20Policy%20Fellowship-2017.pdf>)
- Note: Grant declined for joining the Department of Human Geography, Lund University
4. March 2016: Postdoctoral research funding in the STandUP for Energy project (Collaboration between KTH Stockholm, Uppsala University, Luleå University of Technology and Swedish Agricultural University) (2016-2017) (Role: Individual researcher)
5. June 2015: Received a grant (Doctoral workshop grant including accommodation) for attending the 4th triennial Alberta Institutions Conference, 12th-15th June 2015, Banff, Canada
6. June 2014: Received funding for attending the ETH Ph.D. Academy on Sustainability and Technology, June 8-13, 2014, Appenzell, Switzerland
7. August 2011: Selected among 25 participants for participating in the workshop on Asian Development Pathways in the context of transitions towards a “Green Economy,” Nanjing, China (17th-21st October 2011)
8. January 2011: Travel grant (travel cost and accommodation) from Institute of Environmental Studies, University of Amsterdam to attend Innovation and Sustainability Transitions conference in Kuala Lumpur at University of Malaya, Kuala Lumpur-Malaysia, 9th-11th January 2011.
Link: <http://umconference.um.edu.my/it-apn2011=598b3e71ec378bd83e0a727608b5db01>
9. March 2011: Doctoral fellowship under NWO WOTRO project: Experimenting for Sustainability in India and Thailand: A transitions perspective on sustainable electricity and mobility initiatives (03/2011-03/2015) (Role: Doctoral and contributing researcher)
10. March 2009: Third Position in Urban Challenge (Urban Matters, Cordaid): Worked in a multidisciplinary team of five students for a project proposal on recycling of construction waste recycling and reuse in Philippi, Cape Town
11. August 2008: TU/e Merit Scholarship (EURO 34000) for a two-year master’s program in Technology and Policy (08/2008-08/2010)
12. January 2004: Won a scholarship (INR 65000) for winning the National Level Quiz “Awakening Indians to India” conducted by Chinmaya Mission Yuva Kendra among 285000 students in India
13. August 2000: Reached the semi-finals (among top 32 students) of national level TERRA quiz (Conducted by The Energy and Resources Institute, TERI), New Delhi among 80000 students

14. January 1999: Merit scholarship (INR 7200) in the All India Talent Search Examination

RESEARCH OUTPUT

I have published multiple papers as the first author, mainly in high-quality peer-reviewed international journals in my field of research, and currently have multiple working papers and presentations at conferences available on ResearchGate (https://www.researchgate.net/profile/Suyash_Jolly). I have been the ‘first author’ in most of my publications and have taken the responsibility of developing the paper, data collection, analysis, and the final publication. In addition to the publications, I have presented my work in more than 30 conferences, workshops, and invited seminars (as of October 2021). According to Google Scholar (<https://scholar.google.co.in/citations?user=kBTdq1oAAAAJ&hl=en>), my publications have been cited 411 times (as of March 2022), and according to Scopus (<https://www.scopus.com/authid/detail.uri?authorId=55175455000>), my publications have cited 230 times. I have an “h-index” of 9 according to Google Scholar.

Doctoral dissertation

Jolly, S. (2016). Collective institutional entrepreneurship for fostering sustainable energy transitions in India. Doctoral degree, Department of Industrial Engineering & Innovation Sciences. Eindhoven University of Technology, Eindhoven, The Netherlands. ISBN: 978-90-386-4023-5.

Peer-reviewed journal publications

1. Nogueira, L.A., Wigger, K.A., & Jolly, S. (2021). Common-pool resources and governance in sustainability transitions. *Environmental Innovation and Societal Transitions*, 41, 35-38
2. Fohim, E., & Jolly, S. (2021). What's underneath? Social skills throughout sustainability transitions. *Environmental Innovation and Societal Transitions*, 40, 348- 366
3. Jolly, S., & Hansen, T. (2021). Industry legitimacy: bright and dark phases in regional industry path development. *Regional Studies*. DOI: <https://doi.org/10.1080/00343404.2020.1861236> (special issue of *Regional Studies* on “Emerging industries: institutions, legitimacy and system building “)
4. Klitkou, A., Jolly, S., Suvinen, N. (2020). Systemic intermediaries and the transition towards forest-based bioeconomy in the North. *Review of Evolutionary Political Economy*. DOI: <https://doi.org/10.1007/s43253-020-00025-0>
5. Sotarauta, M., Suvinen, N., Jolly, S., & Hansen, T. (2020). The many roles of change agency in the game of green path development in the North. *European Urban and Regional Studies*, 28(2), 92–110.
6. Jolly, S., Grillitsch, M., Hansen, T. (2020). Agency and actors in regional industrial path development. A framework and longitudinal analysis. *Geoforum*, 111, 176-188
7. Raven, R., Ghosh, B., Wiczorek, A.J., Stirling, A.C., Ghosh, D., Jolly, S., Krajangthimaporn, E., Prabudhanitisarn, S., Roy, J., & Sengers, F. (2017). Unpacking sustainabilities in diverse transition contexts: Solar photovoltaic and urban mobility experiments in India and Thailand. *Sustainability Science*, 12 (4), 579-596.
8. Jolly, S. (2017). Role of institutional entrepreneurship in the creation of regional solar PV energy markets: Contrasting developments in Gujarat and West Bengal. *Energy for Sustainable Development*, 38, 77-92.
9. Jolly, S., Spodniak, P., & Raven, R.P.J.M. (2016). Institutional entrepreneurship in transforming energy systems towards sustainability: Wind energy development in Finland and India. *Energy Research and Social Science*, 17, 102-118.

10. Jolly, S., & Raven, R.P.J.M. (2016). Field configuring events in sustainability transitions: The case of solar energy in India. *Technological Forecasting and Social Change*, 103, 324-333.
11. Jolly, S., & Raven, R.P.J.M. (2015). Collective institutional entrepreneurship and contestations in wind energy in India. *Renewable and Sustainable Energy Reviews*, 42, 999-1011.
12. Jolly, S., Raven, R.P.J.M., & Romijn, H.A. (2012). Upscaling of business model experiments in off-grid PV solar energy in India. *Sustainability Science*, 7(2), 199-212.

Book chapters

1. Jolly, S. 2022. Governing the transition towards smart grids through organized events. Smart cities, Energy and sustainability: Governing cities to a low carbon future. Wiley Blackwell
2. Sotarauta, M., Hansen, T., Jolly, S. & Suvinen, N. (2019). Green Path Development and Change Agency in Nordic Regions: A Collage from the Observations of the GONST Project. In Nilsson, K. (ed.) Opportunities and challenges for future regional development, 71-79. Nordic Working Papers NA2019:902. Nordic Council of Ministers; Stockholm.

Reports

1. Andersen, A.D., Bugge, M., Capasso, M., Jolly, S., Klitkou, A., Sotarauta, M., Steen, M., Suvinen, N. Green growth in Nordic regions: Eight case studies. (2019). Working paper 2019:07. Nordic Institute for Studies in Innovation, Research, and Education. Available at < <https://nifu.brage.unit.no/nifu-xmlui/handle/11250/2601343>> (Author on 4 case studies on Scania, Sweden, Värmland, Sweden, North Jutland, Denmark, and Southern Denmark.)
2. Finne, H., Bugge, M., Hansen, T., Jolly, S., Steen, M., Suvinen, N. (2021). Regional policies for green growth – Nordic experiences. Sintef Digital, Technology Management. Sintef; Trondheim. Available at < https://www.sintef.no/globalassets/project/gonst/sintef_2021-00682.pdf>
3. Jolly, S. (2021). Transformative Innovation Policy in the Bioeconomy – Status quo, Windows of Opportunities and Strategies. Case studies on the international integration of the bioeconomy in Sweden. Centre for Regional and Urban Economics. University of Bremen. Available at < https://www.researchgate.net/publication/354891087_Transformative_Innovation_Policy_in_the_Bioeconomy_-_Status_quo_Windows_of_Opportunities_and_Strategies_Subproject_Case_studies_on_the_international_integration_of_the_bioeconomy_in_Sweden>

Peer-reviewed conference contributions, workshop presentations, and invited seminars

1. Jolly, S. (2020). Multi-modal interaction and competition between multiple regional industrial paths. Presented in the International Sustainability Transitions Conference, 18 th-21 st August 2020, Vienna, Austria
2. Jolly, S. (2020). Multi-scalar dynamics, regional clusters, and barriers for transformative change in the maritime industry. Presented in the International Sustainability Transitions Conference, 18 th- 21 st August 2020, Vienna, Austria
3. Sotarauta, M., Suvinen, N., Jolly, S. & Hansen, T. (2020). The Many Roles of Change Agency in the Game of Green Path Development: Seeing Inside Triple Helix Constellations. 18th Triple Helix Conference, 15.–17.06.2020. Online; Tampere University.
4. Jolly, S., Steen, M., Hansen, T., & Afewerki, S. (2020). Regional industrial path development, multi-level policy mixes, and renewable energy deployment: offshore wind energy development in Syddanmark

(Denmark) and Normandy (France). Presented in the 5th Geography of Innovation Conference, 29th to 31st January, 2020, Stavanger.

5. Klitkou, A., Jolly, S., & Suvinen, N. (2019). Intermediary organisations and knowledge hubs facilitating the forest-based bioeconomy in the North. The 5th Research Area [X] 'Networks' Workshop Theme 2019: 'INNOVATION NETWORKS AND ECONOMIC TRANSITION', November 21-22, 2019, Center for Solar Energy and Hydrogen Research, (ZSW), Stuttgart, Germany

6. Sotarauta, M., Suvinen, N., Jolly, S. & Hansen, T. (2019). Green Path Development and Change Agency in Nordic Regions. Open Seminar on Future of Regional Development. Ministry of Transport and Local Government Iceland and Nordregio in cooperation with Nordic Committee of Senior Officials for Regional Policy. 12.9.2019. Akureyri, Iceland.

7. Jolly, S., & Hansen, T. (2019). Legitimacy struggles in regional path development: Trajectory of biogas development in Skåne. Presented in the 8th Nordic Geographers Meeting 2019, June 16 – 19, 2019, Trondheim, Norway.

8. Jolly, S. (2019). Sustainable path creation in Nordic and Indian regions: bridging the North-South divide. Invited presentation. Presented at the Department of Geography, NTNU Trondheim, Norway, 4th June 2019. Available at <<https://www.gonst.lu.se/article/guest-lecture-at-ntnu>> (Invited seminar)

9. Jolly, S., & Hansen, T. (2018). Green industrial path development in Swedish regions: Case of bio-economy initiatives in Skåne and Värmland. Presented in the Sixth GGKP Annual Conference (OECD), 27-29 November 2018, OECD Headquarters, Paris.

10. Jolly, S. (2018). The Geography of Nordic Sustainability transitions: Green growth initiatives in Värmland, Skåne, and Nordjylland. Invited presentation. Presented in the Lunch seminar series, Department of Geography, University of Bergen, Norway.

11. Jolly, S., & Hansen, T. (2018). Barriers to greening the maritime cluster in Nordjylland: Role of regional and non-regional processes in green path development. Presented at the 13th Regional Innovation Policies Conference 2018 (RIP2018), Western Norway University of Applied Sciences (HVL), 11th and 12th of October 2018, Bergen, Norway.

12. Jolly, S. (2018). Challenging institutional constraints in emerging contexts: Towards a typology of actor strategies for overcoming barriers to energy transitions in India. Presented at the 9th International Sustainability Transition conference, 12th-14th June 2018, University of Manchester, Manchester.

13. Jolly, S. (2018). Deconstructing new regional industrial path development in resource-rich regions: Case of bio-economy initiatives in Skåne and Värmland. Presented at the 9th International Sustainability Transition conference, 12th-14th June 2018, University of Manchester, Manchester.

14. Jolly, S. (2018). Bioeconomy development in Värmland. Lunch seminar, 5th February 2018, Department of Human Geography, Lund University.

15. Jolly, S., & Nissilä, H. (2017). Collective and participatory action for sustainability transitions: Exploring the role of field configuring events, trade shows, and hybrid forums. Presented at 33rd EGOS Colloquium 2017 in Copenhagen. Sub-theme 26: The Role of Organizations in Sustainability Transitions.

16. Jolly, S. (2017). From multiple promises to implementation bottlenecks: lessons from ongoing smart grid demonstration projects in India. Accepted for the special session: Smart Cities/Smart Grids: Reconfiguring Urbanism? AAG (American Association of Geographers) Conference, Boston.

17. Jolly, S. (2016). Smart grid development in India: Separating promises from messy reality. KTH Higher seminar series, 24th October 2016, Division of History of Science, Technology, and Environment, KTH Stockholm, Sweden.

18. Jolly, S. (2016). Mainstreaming smart grids in India: Exploring the potential of the "India smart grid week" as a field-configuring event for the development of the smart grid niche. Presented at 7th International Sustainability Transitions Conference (IST 2016), September 6-9, 2016, Wuppertal Institute, Wuppertal, Germany.
19. Jolly, S. (2016). Competing actor interests and conflicts in sustainability transitions: Case of wind and solar PV energy in India. Annual Conference of EU-SPRI Forum: Exploring New Avenues for Innovation and Research Policies, June 7-10, 2016, CIRCLE, Lund University, Sweden.
22. Jolly, S. (2016). Smart grid development in India. Spring STandUp Academy, 26th May 2016, Uppsala University, Uppsala, Sweden.
21. Jolly, S., & Nissilä, H. (2015). Collective and participatory action for sustainability transitions: Exploring the role of field configuring events, trade shows, and hybrid forums. Presented at 6th International Sustainability Transitions (IST) Conference: Sustainability Transitions and Wider Transformative Change Historical Roots and Future Pathways. 25th- 28th August 2015, Brighton, University of Sussex Campus (Falmer), UK.
22. Jolly, S. (2015). Conflicts in sustainability transitions: Emergence of the wind and solar PV energy in India. Presentation in a Ph.D. workshop in 4th Alberta Triennial Institutions Conference: How do institutions matter? June 12-14, 2015, Fairmont Banff Springs, Alberta, Canada.
23. Jolly, S. (2014). Creation of regional solar PV markets in India: Developments in Gujarat and West Bengal. Presented at the workshop on Institutions and Entrepreneurial Development: A Dynamic Perspective. Utrecht University, Department of Innovation Studies and Utrecht School of Economics, 20-21 November 2014, Utrecht.
24. Jolly, S. (2014). The role of field configuring events in sustainability transitions: Case of solar PV energy in India. ECIS seminar, Eindhoven University of Technology, 11th September 2014.
25. Jolly, S., & Arora, S. (2014). Institutional work and poverty reduction: Case of Smallholder Basmati cultivation in Northern India. Academy of Management Conference, 2014, Philadelphia (SIM Division).
26. Jolly, S. (2014). Creation of regional solar PV energy markets in India: Distinct transformation pathways in Gujarat and West Bengal. Presented at 30th EGOS Colloquium 2014 in Rotterdam. Sub-theme 56: Markets and (Re-) Valuations inside Sustainability Transformations.
27. Jolly, S. (2014). Role of field configuring events in sustainability transitions: Case of solar PV energy in India. ETH Ph.D. Academy on Sustainability and Technology. Toward a Renewable Future? Technological, Organizational and Institutional Change in the Energy Sector, 8th -13th June 2014, Appenzell, Switzerland.
28. Jolly, S., & Raven, R.P.J.M. (2013). Empowering niche innovations: Case of solar PV energy in India. Presented at the 4th International Conference on Sustainability Transitions, 19-21 June 2013, Zurich.
29. Jolly, S. (2012). Joint presentation on the concept of 'regime' in transition studies and its applicability for research in Asian settings. ECIS seminar, Eindhoven University of Technology. Eindhoven, 29 November 2012.
30. Jolly, S., Raven, R.P.J.M., & Verbong, G.P.J. (2012). Upscaling of wind energy niches in Tamil Nadu and Andhra Pradesh and the role of collective institutional entrepreneurship. Abstract presented at Proceedings of the STRN Conference Sustainable Transitions: Navigating Theories and Challenging Realities, August 29-31 2012, Copenhagen, Denmark.
31. Jolly, S., Raven, R.P.J.M., & Romijn, H.A. (2011). Upscaling of business model experiments in off-grid PV solar energy in India, paper nr 143, Conference on Innovation and Sustainability Transitions in Asia, 9-11 Jan 2011, University of Malaya, Kuala Lumpur.

Pipeline of working papers

I have a promising future research agenda and have some working papers in my research output which are likely to be published in the coming years (Drafts available here: https://www.researchgate.net/profile/Suyash_Jolly). I have been working on multiple projects during the last few years. Here is an overview of the working papers

1. Jolly, S., Steen, M., Hansen, T., Afewerki, S. Regional industry path development and the role of the contextual environment: offshore wind energy development in South Denmark (Denmark) and Normandy (France). (To be submitted to *Annals of the American Association of Geographers*). (Current status of the paper: Ready for submission).
2. Jolly, S. Challenging the valley of death: A typology of smart grid demonstration projects in India (To be submitted to *Energy Policy*) (Current status of the paper: Ready for submission).
3. Jolly, S. Institutional strategies for overcoming barriers to energy transitions in India (To be submitted to *Innovation and Development*) (Current status of the paper: Ready for submission).
4. Jolly, S. Collective action and the role of organized events in steering sustainability transitions. (To be submitted to *Technological Forecasting and Social Change*) (Current status of the paper: manuscript draft finished).
5. Jolly, S., Hansen, T., Pettersson, M., Bauer, F. Institutional barriers, and opportunities towards sustainable plastics at the regional level. To be submitted to *Resources, Conservation, and Recycling* (Current state of the paper: Draft stage).
6. Jolly, S. Multi-scalar dynamics, regional clusters, and barriers for transformative change in the maritime industry. To be submitted to *Technology Analysis and Strategic Management*. (Current state of the paper: Draft stage).
7. Jolly, S. Multi-modal interaction, and competition between multiple regional industry paths. To be submitted to *European Planning Studies*. (Current state of the paper: Draft stage).
8. Jolly, S., Nogueira, L.A., Andersen, A.D. Exploration, and exploitation dynamics in sustainable energy transitions: A viewpoint regarding the role of organizational strategies. (To be submitted to *Energy Research and Social Science*). (Manuscript draft finished).

TEACHING AND SUPERVISION ACTIVITIES

I have been generally employed through externally funded research projects with approximately 80% research time and only 20% teaching time while working in universities. Therefore, I had limited time available and the opportunity for teaching activities regarding teaching full courses. I have been voluntarily involved in teaching activities and guest lectures together with lecturers already working in the department. I have improved my teaching skills based on the feedback received after the lectures, but I do not have any formal rating for the courses at the moment as I have only taught the courses together with other researchers in the departments I have worked. I have also participated in different pedagogic courses at Eindhoven University of Technology and Lund University to improve my teaching skills for higher education.

PEDAGOGIC TRAINING IN HIGHER EDUCATION

Mentoring program, Faculty of Social Sciences, Lund University. Program for early career researcher's development (2019-2020)

Postdoc training (<https://postdoctraining.com/about/>): Career planning program sponsored by Lund University focusing on weekly online sessions, personal mentoring, and webinars for planning future academic career (May 2018 - December 2018)

Introduction to Teaching and Learning in Higher Education (Högskolepedagogisk introduktionskurs), LTH, Lund University: Course for improving pedagogical skills and developing the ability to improve student learning (January 2018- May 2018) (80 hours of training)

Teaching and Learning in Higher Education extended course (Auscultation) (Prepare a written report based on peer review of colleagues teaching) (40 hours of training)

Course design in Higher Education (September 2018- February 2019) (Framework for qualifications provided by The Association of Swedish Higher Education (SUHF) (Training for designing a new course) (120 hours of training)

PROOF Ph.D. courses in Eindhoven University of Technology and participation in the BKO (PROOF) program "Course Design" by Sonia Gomez Puente: Successfully prepared and presented designed course "Clean energy entrepreneurship" as a part of an assignment in the PROOF program course (Course dates: 14th November 2012 and 27th November 2012)

Supervision activities

Master level (MSc. Thesis): Supervised SET (Sustainable energy technology) master (MSc.) student with Associate Professor Dr. Henny Romijn.

Student: Harini Challapally

Thesis title: Clean Development Mechanisms to clean energy development in India. Graduation date: 30th August 2012

Role: Co-supervisor and guidance during the writing of the thesis

Bachelor thesis (BSc. Thesis): Supervised 3 Innovation Science bachelor thesis on the topic: Wind energy development in Andhra Pradesh and Tamil Nadu

Year: 2014 and 2015

Students: A.B. (Annabel) van Zante, Suzy Barbat Soskos and Jaara Bijvoet

(2 students studied wind energy development in Andhra Pradesh and Tamil Nadu while the third student compared the two states)

Role: Main supervisor for the students and responsible for grading the thesis

External assessment of doctoral thesis

External evaluator for a mid-term evaluation for PhD-student Nanthini Nagarajah, The Mohn Centre for Innovation and Regional Development, Western Norway University of Applied Sciences, Bergen, Norway.

Title: " Renewable energy sector governance in Sri Lanka: Drivers and barriers in clean energy transition "

External assessment of master thesis

2nd marker of the MA ESST (European Studies on Society Science and Technology, Maastricht University) thesis by Kristina Korshunova

Title: " RRI and Imaginaries of Democratisation: How Democratisation of Research and Innovation is Imagined by Dutch RRI Policy and Practice "

Teaching experience (master and bachelor level)

I have been able to engage in limited full-time teaching activities so far due to my work contracts (80 % research and 20 % teaching). I have got opportunities to teach and supervise students in a few courses in two departments in Sweden and one department in the Netherlands. My teaching experience has been mostly in the fields of sustainability transitions, innovation studies, STS, energy and geopolitics, and sustainable energy

in the Eindhoven University of Technology and KTH Royal Institute of Technology. In recent years, my focus has shifted to teaching courses related to the geography of sustainability transitions, regional development, and economic geography as well as development studies. I do not have a formal evaluation of my teaching activities as most of the teaching activity was carried out in collaboration with other lecturers in the department. Here is an overview of my teaching activity in different universities

Lund University

Doctoral level (Ph.D. course): National Ph.D. course in Economic Geography (Lund, Uppsala and Gothenburg), Sweden. 6 th-7 th February, 2020, Lund. Lecture on Sustainability transitions, innovation, and regional development

Bachelor level (BSc. Course): Social Geography (specialization within economic geography) (Link: https://www.keg.lu.se/en/sites/keg.lu.se/en/files/sgel33_samt_sgek03_delkurs_2_schedule_autumn_2018.pdf)

Year: Taught in October 2018

Role in the course: Responsible for two guest lectures and one seminar on the topic of sustainability transitions and economic geography (Total: 20 clock hours)

Master level (MSc. course): Field Studies in Programme Management, LUMID - Master's in International Development and Management program, 22.5 ECTS, Department of Human Geography, Lund University (Link: <https://liveatlund.lu.se/departments/lumid/MIDM27/Pages/default.aspx>)

Years: 2017, 2018; 2019; 2020

Role in the course: Reviewer for students' internship reports (42 students in the course in 2017; 14 students in 2018; 20 students in 2019)

Role: Reviewing the report and providing feedback on student project ideas, and grading the final report from the field internship (Total clock hours: Assessment of 75 student reports with each report taking approximately 2 hours to review).

Master level (MSc. course): Economic History: Innovation for Sustainable Development, 7.5 ECTS, Department of Economic History, Lund University (Link: <https://ekh.lu.se/kurser/EKHM75>)

Year: 2017

Role: Guest lecture for a session on energy and mobility transitions (responsible for a guest lecture and conducting a seminar session for the students in the course) (Total clock hours: 12)

KTH Royal Institute of Technology

Master level (MSc. course): Energy and Geopolitics course, (AK2201), 7.5 ECTS, Division of History of Science, Technology, and Environment, KTH Stockholm (Link: <https://www.kth.se/student/kurser/kurs/AK2201?l=en>)

Year: 2016

Role in the course: Tutor for students, guest lecturer (1 seminar), and seminar leader for four seminars (Total: 24 clock hours). I was working as a seminar leader for half the number of students while the other half was being looked at by the other faculty member.

Eindhoven University of Technology

Master level (MSc. Course): System Innovation and Strategic Niche Management course (OC940), Department of Innovation Sciences, Eindhoven University of Technology, The Netherlands

Year: 2012, 2013, 2014, and 2015

Role in the course: Tutor for student groups working on a course assignment, exam supervision, and guest lecture on Relational perspective to Sustainability transitions (1 lecture during the course) and

supervising average of eight groups of students (3 to 4 students in each group) on their course report. The number of students in the course varied considerably for the different years.

Bachelor level (BSc. Course): USE Base (Ethics and history of technology) Year: 2013

Role in the course: Tutor for student groups, lecture on special topics, and grading group assignments for students

PROFESSIONAL ACADEMIC SERVICE AND MEMBERSHIPS OF SCHOLARLY ASSOCIATIONS

I have carried out peer-review of manuscripts for several international journals and also received an Outstanding Reviewer Award from the South Asian Journal of Global Business Research

Peer review of manuscripts for journals and conferences

I have reviewed manuscripts for a diverse range of journals (Organization and management studies, innovation studies, energy studies, sustainability science, regional studies, geography, etc.) and academic conferences in diverse academic fields

Academy of Management Annual Conference (12 manuscripts for the SIM & OMT division)

Asia Pacific Journal of Management

South Asian Journal of Global Business Research (Received Outstanding reviewer award) Organization and Environment (Special Issue on Poverty, Business Strategy & Sustainable Development)

Cleaner Production

Climate Policy

Natural Resource Forum

Technological Forecasting and Social Change (5 times)

Energy Exploration & Exploitation

Energy Policy (3 times)

Norwegian Journal of Geography (2 times)

Energy Research & Social Science (6 times)

Energy, Sustainability, and Society

Regional Studies (4 times)

Political Geography

Cambridge Journal of Regions, Economy, and Society (3 times)

Environment, Development, and Sustainability (2 times)

International Journal of Urban Sustainable Development

Urban Transformations

European Planning Studies (3 times)

Environmental Innovation and Societal Transitions (5 times)

Environment and Planning E: Nature and Space

International Energy Journal (Special issue: Energy, Disaster, Climate Change: Sustainability and just transitions in Bangladesh)

Sustainability MDPI (Economic, Business and Management Aspects of Sustainability) (8 times); Sustainability (Energies)

Sustainability (Resources)

Sustainability (Special Issue: "Policy Pathways for Sustainability)

Sustainability (Human Geography and Social Sustainability)

Sustainability (Special Issue: Social Innovation towards Sustainability: Embracing Contemporary Challenges for Regional Development)

International Journal of Innovation and Sustainable Development

Peer review for funding organizations and other organizations

Peer reviewer for research proposal for the National Science Foundation (Division of Social and Economic Sciences, Science, Technology, and Society (STS) program) (Year: 2018)

Peer reviewer for AUS Faculty Research Grant 2021 (FRG21), American University of Sharjah

Organization of special sessions in conferences

Co-organizer, Special session on What role does the bioeconomy play in the transformation of regions towards sustainable development? (with Milad Abbasiharofteh, Aitziber Elola, Teis Hansen, Frans Hermans, Muhamed Kudic, Daniel Schiller). 5th Geography of Innovation conference, 29th to 31st January, 2020, Stavanger. (Link: <https://geoinno2020.com/what-role-does-the-bioeconomy-play-in-the-transformation-of-regions-towards-sustainable-development/>)

Membership of scientific societies and professional affiliations

Sustainability Transitions Research Network (STRN) (Link: <http://www.transitionsnetwork.org/>)

PROFESSIONAL COURSES

IHDP (International Human Dimension Programme) APN (Asia-Pacific Network for Global Change Research): Training workshop on Asian development pathways in the context of transitions towards a green economy, Nanjing, China [17th -21st October 2011]

Perspectives in Organization analysis. Co-ordinator: Prof. Peter Karnøe (Copenhagen Business School), Copenhagen. 5 ECTS course [14-18th November 2011]

Ph.D. workshop: Hotspots of Development. Science, Technology, and Development. WTMC. Amsterdam [12th - 14th December 2011]

DIGITAL ACADEMIC PROFILE

ORCID ID: <http://orcid.org/0000-0001-9771-930X>

Researcher ID: <http://www.researcherid.com/rid/G-1989-2017>

SCOPUS ID: <https://www.scopus.com/authid/detail.uri?authorId=55175455000>

Google scholar: <https://scholar.google.co.in/citations?user=kBTdq1oAAAAJ&hl=en>

Personal website: <http://suyash-jolly.strikingly.com/>

LinkedIn: <https://se.linkedin.com/in/suyashjolly>

Research gate: https://www.researchgate.net/profile/Suyash_Jolly

Academia.edu: <https://nordlandsforskning.academia.edu/SuyashJolly>

Twitter: <https://twitter.com/Suyashjolly611>

PERSONAL DETAILS

Languages Known: English (Fluent), Hindi (Mother Tongue), Punjabi (Basic understanding), and Urdu (Basic understanding)

Permanent Address: C-57 Nehru Colony, Dharampur, Dehradun. 248001. Uttarakhand. India.

Telephone: 91- 135-2669604; 91-9997333530; 91-9789008751

Nationality: Indian

Date of Birth: 06th November 1985

Place of Birth: Dehradun, India

Marital status: Single

REFERENCES

Dr. ir. R.P.J.M Raven, Professor, Monash Sustainable Development Institute. Email: Rob.Raven@Monash.edu.

Dr. Teis Hansen, Professor, Department of Food and Resource Economics, University of Copenhagen. Email: teis.hansen@ifro.ku.dk

Dr. Per Högselius, Professor in History of Technology, Division of History of Science, Technology, and Environment. Teknikringen 74D, plan 5. KTH Royal Institute of Technology, Stockholm, Sweden. Tel: 46-87908515. Email: perho@kth.se; per.hogselius@abe.kth.se.

Dr. ir. Geert Verbong, Professor, Technology Innovation & Society, Department of Industrial Engineering and Innovation Sciences, Eindhoven University of Technology. Contact details: IPO 2.22, Eindhoven University of Technology, PO Box 513, 5600 MB Eindhoven. The Netherlands. Tel: 31-40-2472698. Email: G.P.J.Verbong@tue.nl.

Dr. Henny Romijn, Associate Professor, Department of Industrial Engineering and Innovation Sciences, Eindhoven University of Technology. Contact details: IPO 2.17, Eindhoven University of Technology, PO Box 513, 5600 MB Eindhoven. The Netherlands. Tel:31- 40-2474754. Email: H.A.Romijn@tue.nl.

Dr. S. Narayanan, Pro Vice Chancellor, VIT University. Vellore. 632014.Tamil Nadu. Tel: 91-416- 2202006. Email: provc.vlr@vit.ac.in