

Komalirani Yenneti

Doctoral Researcher

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About

Title of PhD: Unpacking low carbon interventions in India: the implementation gap between climate mitigation and renewable energy policies

Supervisors: Dr Stefan Bouzarovski and **[Dr Rosie Day \(/staff/profiles/gees/day-rosie.aspx\)](/staff/profiles/gees/day-rosie.aspx)**

Komalirani Yenneti is undertaking doctoral research into 'Unpacking low carbon interventions in India: the implementation gap in renewable energy and climate mitigation policies' taking the case of solar energy large scale projects implementation. The research involves using qualitative methodologies to interview policy makers, government organizations, NGOs, business developers and local communities to explore the implementation of renewable energy policies, focusing on the processes and practices that have enabled and hindered the policy effective implementation.

Qualifications

Diploma in Urban Management Tools in Climate Change, Institute of Housing and Urban Development Studies (IHS), Erasmus University, Rotterdam, The Netherlands

Masters in Planning (Environmental Planning) (Gold Medal), Faculty of Planning & Public Policy, CEPT University, Ahmedabad, India

Bachelor of Architecture (Gold Medal), School of Planning & Architecture, JNT University, Hyderabad, India

Biography

Komalirani Yenneti is currently a doctoral researcher in School of Geography, Earth and Environmental Sciences at the University of Birmingham. Apart from this current position, Komali also holds a position as a Research Associate at the Sustainable Habitat Division, The Energy & Resources Institute (TERI). She is also a member of various international professional bodies including the Royal Geography Society- Institute of British Geographers, American Planning Association, American Architectural Engineering Institute, Royal Institute of British Architecture.

Prior to becoming a doctoral researcher Komalirani had about 3 years of industry experience in the fields of Architecture, Urban and Regional Planning, energy efficiency and Green buildings where she used her expertise to implement projects. She has written papers at national and international level; one of the most important was a paper in the book submitted to the policy makers at COP-15. She has also presented at various national and international conferences. Recently she has completed two months intensive training at Kitakyushu Urban centre, IGES, Japan on 'CDM funding viability for decentralized solid waste composting projects in developing countries'. She has also received various awards such as the Vastushilpa foundation gold medal, Hyderabad industries gold medal, W.C Kane memorial peace prize, and Brightest Young climate leader. She also has several grants and scholarships among her achievements.

Research

Research interests

- Urban and Regional Planning with aspects of Development Plans, Master Plans and Infrastructure Development Plans
- Screening, Scoping and documentation of Environmental Impact Assessment (EIA) process
- Green buildings and Energy efficient buildings with energy audits, simulations and policy making
- GHG accounting, reporting and carbon abatement under Clean Development Mechanism
- Developing Mitigation and adaption strategies for climate change with focus on cities, urban and transportation planning and specialization on Public transport and Civil Aviation sector

Other activities

Komalirani Yenneti is an active volunteer and is at the forefront of advocacy in the field of climate change, associated with Indian Youth Climate Network, Commonwealth Youth Climate Change and Green Peace where she has been participating and organizing various activities and projects. She was an Indian youth delegate for COP-15 climate negotiations with a grant from the University of Technology, Sydney. She organized programmes like 350 Day, Seal the Deal campaign (Initiative of UNEP), Fossil fuel phase out campaign, Stand up-Take action against poverty (Initiative of UN-MDGs) where she had been chief campaigner for organizing several events in the state of Gujarat. She is also a part of Urbanization and Global Environmental Change (UGEC) project which is a collaborative initiative of IHDP-UGEC (Urbanization and Global Environmental Change, an IHDP core project), SARCS (Southeast Asia Regional Committee for START), and National Taipei University. She was also the youngest observer to the CIF partnership forum by The World Bank at ADB HQ, Philippines. She was Doctoral research representative for school of Geography, Earth and Environmental Sciences, University of Birmingham (2010-11). She is elected member for the Ethical and Environmental Committee of the University of Birmingham.

Publications

Yenneti, K. (2012) 'The Sun shines on India? – A review of implementation and financial continuum of the National Solar Mission', Renewable energy law and policy review, 4, pp: 280-291

Yenneti, K. Gamaralalage, DJP (2012) 'Carbon Finance and Decentralised Composting in Asia: Potential and Future Considerations', Environment and Urbanisation –

Yenneti, K. (2012). *Asia-Pacific Partnership on Clean Development and Climate*. Encyclopaedia of Global Warming and Climate Change. (Ed.) S. G. Philander, Volume 1, pp: 81-83, California, Sage.

Yenneti, K. (2012). *Energy Efficiency*. Encyclopaedia of Global Warming and Climate Change. (Ed.) S. G. Philander. Volume 1, pp: 507-512. California, Sage.

Yenneti, K. (2012). *Green Buildings*. Encyclopaedia of Global Warming and Climate Change. (Ed.) S. G. Philander. Volume 2, pp: 665-667. California, Sage.

Yenneti, K. (2012). *Green House Gas Emissions*. Encyclopaedia of Global Warming and Climate Change. (Ed.) S. G. Philander. Volume 2, pp: 677-680. California, Sage.

Yenneti, K. (2012). *Renewable Energy, Overview*. Encyclopaedia of Global Warming and Climate Change. (Ed.) S. G. Philander. Volume 3, pp: 1186-1190. California, Sage.

Yenneti, K. (2012). *Vulnerability*. Encyclopaedia of Global Warming and Climate Change. (Ed.) S. G. Philander. Volume 3, pp: 1444-1449. California, Sage.

Yenneti, K. and Joshi, G. (2012) 'Achieving Urban Sustainability by involving Women Self-help Groups (SHGs) – A Case of Eco-City Project', in 'Changing economic environment and performance of the Nations: Canada and India (Ed)', Chapter 11, pp: 117-130, Excel India publishers, New Delhi

Yenneti, K. and Sharma, R. (2012) 'CO2 Emission Reduction potential through improvements in technology from Civil Aviation Sector in India - A Case of Delhi-Mumbai Air Route', Research Journal of Recent Sciences. 1(ISC-2011), pp: 134-144. <http://www.isca.in/rjrs/archive/iscsi/22.ISCA-ISC-2011-8EnvS-13.pdf>
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Yenneti, K. Gamaralalage DJP (2011) Carbon Finance and Decentralised Composting Projects, LAMBERT Academic Publishing, Germany.

Yenneti, K. and Joshi, G. (2010) 'CO2 emission reduction potential from civil aviation sector in India through improvements in operational procedures- A Case of Delhi-Mumbai Air-route', India Infrastructure Report 2010, 3i Networks, Chapter -18, pp:287-309', Oxford University Press <http://www.idfc.com/pdf/report/Chapter-18.pdf>
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Yenneti, K. Joshi, G. (2010) 'Reducing the Vulnerability of Urban poor in Indian cities to Climate change through adaptation strategies', pp: 58, (In) Community Champions: Adapting to Climate Challenges, International Institute for Environment and Development (IIED), (Ed.) Reid, H., Huq, S., & Murray, L. London. (and) 4th International conference on Community Based Adaptation Strategies, Dar Es Salaam, Tanzania, 21-27 Feb. <http://pubs.iied.org/pdfs/10028IIED.pdf>
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Yenneti, K. and Joshi, G. (2009), 'Application of Hotelling Rule for Analysing Utilisation Pattern of Non-Renewable Resources in India through ONGC', scholarly essay, Munich, GRIN Publishing GmbH, Germany

Yenneti, K. and Joshi, G. (2009) 'Strategies for Development of CDM Framework for Indian Industry - Evaluating the issues in Institutional & Financial mechanisms', Innovative economic policies for climate change mitigation, pg:227-246, Economics Web Institute, Lulu, Italy

Conference papers

Yenneti, K. (2012) 'Social systems perspective: solar energy implementation in India', MEGS III Annual conference on 'systems thinking in energy' at University of Birmingham, 18th – 19th September.

Yenneti, K. (2012) 'Policy Implementation, Energy Security and Livelihood Implications of Solar Energy in India', New Energy Security Challenges Workshop, organized by Energy Geographies Working Group, Royal Geographical Society and University of Exeter, London, 3-5 May.

Yenneti, K. and Sharma, R. (2011) 'CO2 Emission Reduction potential through improvements in technology from Civil Aviation Sector in India - A Case of Delhi-Mumbai Air Route', International conference Science congress, Souvenir, pp: 156, Indore, India, 24th – 25th December.

Yenneti, K. Joshi, G. (2011) 'Energy efficiency as a low carbon mitigation strategy for Industries- A case of Ahmedabad city', International Congress on Environmental Research, Conference proceedings, Surat, 15-17, December.

Yenneti, K. and Joshi, G. (2010) 'Assessing the growth of SEZ Industry and its contribution to employment generation in India', conference proceedings, 23rd Skoch Development summit, Mumbai, 17-19, June, 2010

Yenneti, K. Joshi, G. (2010) 'CDM Potential in Bus Rapid Transit Systems (BRTS)- A case of BRTS Ahmedabad', National Conference on Climate Change Research, IIT Delhi, organized by CSE, Delhi, 5-6, March.

Yenneti, K., Joshi, G. (2009) 'Application of Hotelling rule for analyzing utilization pattern of non-renewable resources in India', International Conference on Climate Change & Sustainable Management of Natural Resources, Conference Proceedings, pp: 97, Gwalior, 10th -12th November.

Yenneti, K. Joshi, G. (2009) 'Framework for Urban Sustainability- Learnings from Eco-City Projects in India', Asian Planning Schools Association (APSA) Congress 2009, Conference proceedings, T-1 – 23, CEPT University, Ahmedabad, 24th – 26th November.

Yenneti, K., Joshi, G. (2009) 'Role of Media in creating environmental awareness- A case of eco-city project Tirupathi', International Conference on Climate Change and Environmental Sustainability in India and Canada : Approaches & Strategies, Souvenir, pp: 69, University of Madras, Chennai by DFAIT, Govt. of Canada, 16th-18th September.

Yenneti, K., Joshi, G. (2009) 'Achieving Urban Sustainability by involving Women Self-help Groups (SHGs) – A Case of Eco-City Project', International Conference on Changing economic environment and performance of the Nations: Canada and India, Souvenir, pp: 16, MS University, Vadodara by Shashtri Indo-Canadian Institute, 24th November.