

Priya Shyamsundar

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Deeply committed to sustainable development through evidence-based research, policies and thoughtful dialogue. Strong expertise in addressing environment, development and poverty linkages. Proven record in fund raising, capacity building, organizing innovative research programs, and policy engagement and communication. Demonstrated experience in engaging national leaders and other key stakeholders and building expert networks.

EXPERTISE

Environment and Development Research

Environmental economics – Natural resource management - Climate change –Valuation –Ecosystem Services
- Sustainable development- Poverty reduction - Policy analyses

Management and Implementation

Strategy, new programs and networks – Capacity building - Fundraising and grants management – Team and Board management - Communications and public engagement

International Experience

Bangladesh, Bhutan, India, Pakistan, Papua New Guinea, Maldives, Madagascar, Nepal, Sri Lanka, Thailand, Vietnam, indirect technical support to additional countries

EXPERIENCE

The Nature Conservancy

Lead Economist, 2017-

- **Leading an Economics and Policy strategy** in support of the Shared Conservation Agenda.
- **Science support** to economics and social science actions and research across TNC
- **Emerging research** related to greening of cities, air pollution and food security, conservancy governance and renewable energy and conservation.

World Bank

Senior Technical Advisor (Consultant), PROFOR, 2016-2017

Technical support to a Bank-wide programmatic activity on identifying pathways out of poverty for the forest-dependent poor.

- **Develop a common framework** on forests and poverty to identify pathways to prosperity
- **Technical support** to Bank-wide task teams to implement this framework (Turkey, Argentina, Philippines, Georgia, Armenia, emerging African countries)
- **Analytical Support** for implementing forest-people data (LSMS) collection and monitoring

SANDEE (South Asian Network for Development and Environmental Economics)

Director, Policy, 2015-2016 ; Executive Director, 2013-2015, Program Director, 2000-2012

Co-Founder-Director of a seven-country research and capacity building organization aimed at identifying solutions to local to global environmental problems (www.sandeeonline.org).

- **Generate knowledge** through a multi-country research platform. Knowledge outcomes include a working paper / policy brief series with a journal publication rate of over 80%.
- **Strengthen capacity** with technical assistance, training and mentoring. Over 100 projects supported, 1000 partners trained and curriculum changed in multiple universities.
- **Fund-raise** from international agencies. Support obtained from NORAD, DFID, Sida, IDRC, Ford Foundation, MacArthur Foundation, World Bank Research Committee and UNEP.
- **Inform policy and management discussions** through research-policy communications. Prime Minister Man Mohan Singh released a report on green national accounts as result of expert interactions.
- **Publish** on the economics of ecosystem services, climate change and poverty. Multiple journal articles and editor of a textbook on environmental valuation.
- **Support Track II diplomacy** by building a regional 5000 member network of scholars, policy makers and civil society actors.

World Bank

Consultant, Environment Department, 1998 -2006

Research and analyses related to natural resource management, mainstreaming environment into economic policies and sectoral strategies and financing sustainable development.

- Climate Risks and Adaptation in Asian Coastal Mega-cities: A synthesis report, 2009-2010
- Poverty and the Environment at the household level/Assessmentsa, 2006-07 2004-06
- Country Environmental Analyses, Country Assistance Strategies and Environment Strategy implementation, 1998-2002

The John D. and Catherine T. MacArthur Foundation

Senior Program Officer, Program on Global Security and Sustainability, 1998

Program Officer, Ecosystems Conservation Program, 1994-1997

Program development, grant support and Board communications related to the economics of sustainable development - a grant program of approximately \$4-6 million.

- Biodiversity conservation and sustainable development in the Eastern Himalayas and Madagascar
- New program areas in environmental economics, population, consumption and the environment.
- Review and implementation support (Vietnam, Indonesia, PNG, the Philippines and Colombia).

Duke University

Visiting Assistant Professor, School of the Environment, 1993-1994

Research and Teaching Assistant, School of the Environment, Duke University, 1989-1992

Responsible for teaching Ph.D. level courses and undertaking research on environment and natural resource economics, including benefit cost analyses, gender and natural resources etc.

Institute of Social Studies Trust

Project Associate, 1986-88

Field research (Karnataka and Kerala, India) and analyses to better understand the working lives of poor women.

EDUCATION

Doctor of Philosophy, 1993, Duke University, USA

Concentration: Environmental and natural resource economics.

Dissertation: *Economic implications of tropical forest protection for local residents - the case of the Mantadia National Park in Madagascar.*

Grants: Pew Charitable Trusts, Biodiversity Support Program, Teaching and Research Fellowships

Master of Arts, 1986, Delhi University, India

Concentration: Economics

Honors: Sriram scholarship for summer research, 1985

ADVISORY SERVICES

- **IonE Fellow (2017 -),** Institute on Environment, University of Minnesota
- **International Vice Chair (2016-)** and Member, Board, International Institute for Sustainable Development, 2015-
- **Member, Management and Advisory Committee (2017-), Technical Advisory Group, SANDEE (2015-2016)**
- **Member, Scientific Advisory Committee,** International Geosphere Biosphere Program, 2013-2015.
- **Member, Policy and Technical Experts Committee for Wealth Accounting and the Valuation of Ecosystem Services (WAVES),** World Bank–UNEP, 2012-2016
- **Member, Expert Group on Greening National Accounts,** Ministry of Planning and Implementation, Government of India, 2011-2013.
- **Member, Editorial Board:** Environment and Development Economics, 2009 -2013
- **Member, Scientific Steering Committee,** Planet under Pressure, 2012.
- **Member, Advisory Committee:** SHODH, Institute for Research and Development, India, 2008 -2011.

PANELS and PRESENTATIONS

Reducing Air Pollution through Conservation Agriculture, Institute on Environment, University of Minnesota, 2017 • The Economics of Conservation – Finding Solutions to Complex Problems, TNC Minnesota Chapter, Minneapolis, 2017 • Changing Agricultural Practice through Research, TNAU Coimbatore 2017 • Pathways out of Poverty in Forested Landscapes • World Bank Reference Group, Washington DC 2017 • MoEF-GIZ-SANDEE National Workshop on Ecosystems Management, New Delhi, India, 2016 • UPEP-Nicholas Institute Environmental Institutions Seminar, Duke University, Durham, NC, USA 2015 • Environmental Economics: Pathways to a Sustainable Future, Development Talks, SIDA, Stockholm, Sweden, 2015 • Integrated Science for Sustainable Transitions Symposium, IIASA, Vienna, Austria, 2015 • National Council for Science and

Environment, Washington DC, 2014 • Natural Capital for Inclusive Growth: Options and Tools for South Asia, Kolkata, India, 2014 • Engagement Workshop on Inclusive Wealth, IHDP-UESCO-UNEP, Paris, France, 2013 • Lahore University of Management Sciences, Pakistan, 2013 • Economic Instruments for Greening Development, UNDP-UNEP-SANDEE, Bhutan, 2012 • Fifth South Asian Economic Summit, Islamabad, Pakistan, 2012 • Expert Group on Greening National Accounts, New Delhi, India, 2012 • Mainstreaming Ecosystem Services, UNEP-ACB, Bangkok, Thailand, 2012 • Planet under Pressure, London, 2012 • Economics of Marine and Coastal Management Ecosystems, Bangkok, Thailand, 2011 • Green Economy and Sustainable Mountain Development Conference, ICIMOD, Kathmandu, Nepal, 2011 • Development Challenges in a Post Crisis World, ABCDE, Stockholm, Sweden, 2010 • Climate Change and Poverty, UNDP-ERG-SANDEE, Dhaka, Bangladesh, 2009 • Global Development Network, Kuwait, 2009 • Local Governments and the Environment, UNDP-UNCDF-UNEP, Bangkok, Thailand, 2009 • Board of Trustees, Duke University, USA, 2008 • Mangroves and Coastal Management, IUCN, Karachi, Pakistan, 2008.

PUBLICATIONS AND RELATED SERVICES

Papers and Commentary

- Morshed, M. S. Islam, P. Shyamsundar and H. Lohano, 2017. Shrimp or Paddy Farming? Understanding trade-offs between competing land-uses in rural Bangladesh (under review)
- Shyamsundar, P. S. Ahlroth, P. Kristjanson, S. Onder, 2017. Supporting Pathways to Prosperity in Forest Landscapes – A PRIME Approach (under review)
- Cheng, S. S. Ahlroth, S. Onder, P. Shyamsundar, R. Garside, P. Kristjanson, K. McKinnon, D. Miller. 2017. What is the evidence for the contribution of forests to poverty alleviation? A systematic map protocol, *Environmental Evidence*. DOI: 10.1186/s13750-017-0088-9
- Rai, R. K., P. Shyamsundar L. D. Bhatta and M. Nepal. 2016. Market-based strategies for Improving Municipal Water Supply in Mountainous Nepal (under review).
- Shyamsundar, P. S. Das and M. Nepal, (forthcoming). Forest dependence and poverty in the Himalayas: Differences between India and Nepal. In, *Ecology, Economy and Society*, edited volume in honor of Kanchan Chopra.
- Sharma, B.P. P. Shyamsundar, M. Nepal, S. Pattanayak and B. S. Karky. 2017. Costs and Co-benefits - Examining Community Responses to REDD+ in Nepal, *Ecol & Society*.
- Sharma, B.P. M. Nepal, S. Pattanayak, E. Sills, P. Shyamsundar and B. S. Karky. 2016. Making incremental progress: impacts of a REDD+ Initiative in Nepal
- Rai, R. K., P. Shyamsundar L. D. Bhatta and M. Nepal. 2015. Differences in demand for watershed services: Understanding preferences through a choice experiment in the Koshi Basin of Nepal. *Ecological Economics*, 11:274-283.
- Mukhopadhyay, P., M. Nepal, and P. Shyamsundar. 2014. Building sustainability skills: A role for regional research networks. *Ecol & Soc.* 19 (4):45 <http://dx.doi.org/10.5751/ES-07105-190445>
- D. J. Griggs, M. Stafford-Smith, J. Rockström, M. C. Öhman, O. Gaffney, G. Glaser, N. Kanie, I. Noble, W. Steffen, P. Shyamsundar. 2014. An integrated framework for Sustainable Development Goals. *Ecol & Soc.* 19(4):49 <http://dx.doi.org/10.5751/ES-07082-190449>
- Shyamsundar, P and R. Ghate. 2014. Rights, rewards and resources: Lessons from community forestry in South Asia. *Review of Environmental Economics and Policy* doi:10.1093/reep/ret024

- Riggs, D., M. Stafford-Smith, O. Gaffney, J. Rockstrom, M. Ohman, P. Shyamsundar, W. Steffen, G. Glaser, N. Kanie, I. Noble. 2013. Sustainable Development Goals for People and Planet. Comment, *Nature* (495):305-307.
- Shyamsundar, P. 2013. Accounting for natural wealth. Practical challenges ahead. *Environmental Development* (7): 181-183.
- Gundimeda, H. and P. Shyamsundar. 2012. Forests, sustainability and poverty in India. *Environment and Development Economics* (17): 373–378
- Bandyopadhyay, S., P. Shyamsundar and A. Baccini. 2011. Forests, biomass and poverty in Malawi. *Ecological Economics* 70(12):2461-2471
- Kumar, K.S, P. Shyamsundar and A. Nambi. 2010. Economics of climate change adaptation in India. *Economic and Political Weekly*, XLV (18):25-29
- S. Bandyopadhyay, P. Shyamsundar, and M. Xie. 2010. Transferring irrigation management to farmer's associations: Evidence from the Philippines. *Water Policy* (12):444-460
- Bandyopadhyay, S., Humavindu, M, Shyamsundar P and L. Wang 2009. Benefits to local communities from community conservancies in Namibia: an Assessment, *Development South Africa*, 26 (5).
- Dasgupta, P., P. Shyamsundar and K-G Maler, 2004. Economics of environmental change and pollution management – Issues and Approaches from South Asia, Intro to Spl Issue, *Env and Dev Econ*, 9(1):9-18.
- Bernow, S., R. Costanza, H. Daly, R. De Gennaro, D. Erlandson, D. Ferris, P. Hawken, J. A. Hoerner, J. Lancelot, T. Marx, D. Norland, I. Peters, D. Roodman, C. Schneider, P. Shyamsundar and J. Woodwell, 1998. Ecological tax reform. *Society News. BioScience*: 48 (3): 193-196 doi:10.1093/bioscience/48.3.193
- Shyamsundar, P. 1997. Benefit cost analysis as a mechanism for evaluating conservation policies in developing countries. Policy Forum, *Environment and Development Economics*.
- Shyamsundar, P and R. Kramer. 1997. Biodiversity conservation at what cost? A study of households in the vicinity of Madagascar's Mantadia National Park. *Ambio*, 26 (3).
- Shyamsundar, P. 1996. Constraints on socio-buffering around the Mantadia National Park in Madagascar. *Environment Conservation*, 23 (1).
- Shyamsundar, P. and R. Kramer. 1996. Tropical forest protection: An empirical analysis of the costs borne by local people. *Journal of Environmental Economics and Management*, 31 (2).
- Shyamsundar, P. and G. K. Lanier. 1994. Biodiversity prospecting: an effective conservation tool? *Tropical Biodiversity*, 2 (3).

Books and Book Chapters

- Shyamsundar, P. S. Das and M. Nepal, 2017. Forest dependence and poverty in the Himalayas: Differences between India and Nepal. In, edited volume
- Haque, A.K.E, Z.H. Khan, M. Nepal and P. Shyamsundar. 2014. Red wells or green wells and does it matter? Examining household use of arsenic contaminated water in Bangladesh, in S. Barrett, K-G Mäler, and E. Maskin, Ed, *Env and Dev Economics: Essays in Honour of Sir Partha Dasgupta*, Oxford: OUP.
- Pranab Mukhopadhyay and P. Shyamsundar. 2012. Economic growth and ecological sustainability in India. In C. Ghate ed., *The (Oxford) Handbook of the Indian Economy*. Oxford University Press, pp 960.
- Haque, A.K.E., M. N. Murty & P. Shyamsundar, 2011 (Eds). *Environmental Valuation in South Asia*. Cambridge University Press, pp 473.

- Bandyopadhyay, S. and P. Shyamsundar. 2011. Examining the effectiveness of irrigation management reforms in the Philippines. In Gamini Herath ed., *Institutional change in water management - Evaluating the experience*. Hauppauge, NY: Nova Science Publishers.
- Shyamsundar, P. 2008. Decentralization, Devolution and Collective Action. In R. Ghate, N.C. Jodha and P. Mukhopadhyay (eds) *Promise, Trust and Evolution: Managing the Commons of South Asia*. UK: OUP.
- Devarajan, S. Ferro, M.V., Shah, S. and P. Shyamsundar. 2007. Accelerating Poverty Reduction in South Asia by Scaling Economics Education and Policy Research in F. Bourguignon, Y. Elkana and B. Pleskovic (Eds), *Capacity Building in Economics Education and Research*, the World Bank, Washington D.C.

Popular Media and Working Papers

- *Can Indian farmers deliver clean air with good food? Cool Green Science.*
<https://blog.nature.org/science/2017/07/18/india-agriculture-climate-change-happy-seeder/>
- *Pakistan and India Un-Prepared for Heat Waves*
<http://www.rtcc.org/2015/07/01/pakistan-and-indian-governments-unprepared-for-heatwaves/>
<http://www.pakistantoday.com.pk/2015/07/11/comment/tackling-the-heat-wave/>
- *Restoring Hussain Sagar to its pristine glory*
<http://www.thehansindia.com/posts/index/2015-04-12/Restoring-Sagar-to-its-pristine-glory-143722>
- B. P. Sharma, B. S. Karki, M. Nepal S. Pattanayak, P. Shyamsundar. 2015. REDD+ Impacts: Evidence from Nepal, Working Paper No. 95-15
- Shyamsundar, P, S. Ahlroth, P. Kristjanson and S. Onder. 2016. Conceptualizing Pathways to Prosperity in Forest Landscapes – A P.R.I.M.E. Approach (work in progress), World Bank.

Editor

- SANDEE Working Paper Series (2000-2015) <http://www.sandeeonline.org/publicationdisp.php?pcid=1>
- SANDEE Policy Briefs Series (2000- 2015) <http://www.sandeeonline.org/publicationdisp.php?pcid=3>