

MADHAV BAHADUR KARKI, PH.D. (FORESTRY); M.S. (RANGE MANAGEMENT)

CURRICULAR VITAE

Agriculture & Natural Resources Management, Climate Change and Sustainable Development Specialist

<https://sias-southasia.academia.edu/MadhavKarki>

<https://scholar.google.com/citations?hl=en&user=JznetCQAAAAJ>

CONTACT DETAILS:

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E-mail: karki.madhav@gmail.com; kbmadhav@yahoo.com
Date of Birth: 22 August 1954 (2011 BS)
Languages: Nepali, English, Hindi, Bhojpuri, Maithali, Urdu (speaking only)
Citizenship: Nepalese

EDUCATION:

- 1988-1992** **Ph.D. (Major: Forestry; Minor- Agroforestry and Resource Economics)**
Michigan State University, East Lansing, MI, USA
- 1980-1982** **Master of Science (Range Management with minor in Forest Management and International Agriculture Development)**
Colorado State University, Fort Collins, CO, USA
- 1980-1982** **B.Sc. Agriculture (Hons.) (Specialisation: Plant Protection)**
Punjab Agricultural University, Punjab, India; 1971 – 1976,
- 1980-2010** **Training Certificates** in Economic Analysis, Farm Forestry M&E; Facilitation Change Management and Leadership Building in USA, Canada, Germany, China Philippines and Nepal (*topics covered: Research Planning, Monitoring and Evaluation; Economic Analysis of Development Projects in Developing Countries, Participatory Facilitation; Sustainable Livelihoods; Change Management; Leadership Development; Pro-Bono principles in decision making*)

KEY SKILLS:

- Executive Management of human, knowledge, network and financial resources,
- Leadership with vision and foresight
- Adaptive and forward looking management, Culture sensitive behaviors and actions; Responsive, Transparent, accountable, rapid and responsive communication throughout the institution
- Excellent interpersonal, negotiating and communication skills
- Excellent inter-cultural and cross-cultural skills
- Ability to project, present and promote ICIMOD's credibility, regional relevance and global prominence
- Skilled, capable and prepared to raise funds

- Proven ability to work under pressure and to meet deadlines
- Able and prepared to travel frequently and widely within the region and globally

SUMMARY OF PROFESSIONAL ACHIVEMENTS:

- Performed Mid-term and/or Terminal Evaluation of more than six Projects as listed below as the Team Leader (TL) and/or Member (Mem):
 - a. TL: Mid-term Evaluation of the GEF/WWF/GON Sustainable Land Management of Churia Hills (2016);
 - b. TL: Terminal Evaluation of the GEF/WWF/GON Sustainable Land Management of Churia Hills (2017);
 - c. TL: End-of-the Project Review: SWISS-ASEAN Social Forestry and Climate Change Project in 5 ASEAN member countries – Indonesia, Malaysia, the Philippines, Cambodia and Thailand;
 - d. Mem: Mid-term Evaluation of the USAID/WWF HARIYO BAN Project conducted by the Eco Did Consultancy, Washington DC. USA;
 - e. TL: GEF/UNDP/Govt. of China Payment for Watershed Services in the Chishui River Basin for the Conservation of Globally Significant Biodiversity ;
- Team Leader of the following Projects:
 - a) ADB/MoEST/ISET/IDS Research on: Indigenous and Local Knowledge in Climate Change Adaptation project (2014-2016) ~ USD 200K
 - b) ADB/BRBIP/GoN, Integrated Watershed Management Project in Upper Bagmati River Basin (2015-2018)
 - c) UKAid/IMC/IDS/CGED-N project on Adaptation at Scale Prize Project GBK 200K
 - d) NPC/MoFE/WWF/Nepal Preparation of Integrated River Basin Management Strategy and Action Plan of 4 large River Basins in Nepal
 - e) World Bank: Co-Team Leader: Country Climate and Development Report (CCDR) Preparation (2021)
 - f) FAO: Assessment of Organic Agriculture in Karnali Province, Nepal (2020-21)
 - g) GEF/FAO: Baseline Study for Sustainable Forest Management and Biodiversity Conservation in Eastern Hills, Nepal (2020-21);
 - h) Team Leader: SDIP/ACIAR/IFPRI Food System Foresight Research in Indo-Gangetic Plain including study on a) impact of federalization on institutional arrangements and governance of Agri. Extension Service and b) Coordinated and cooperative Agri. Extension Service through Krishi Gyan Kendra in Madhesh province.
 - i) Member: IFAD/GOVT. OF INDIA PROJECT MISSION: 1. Community based Natural Resources Management in Northeast Indian states of Meghalaya, Assam and Manipur and 2. Tribal Livelihood Improvement Project in Madhya Pradesh (now Chhattisgarh) (1997-98)
- Member of the Steering Committee of the Govt. of Australia funded ACIAR Transformative Food System Project in Eastern Gangetic Plain (2022-2027)
- Elected Member of the Multidisciplinary Expert Panel (MEP); Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)/UN (2018-;
- Prepared Knowledge Gaps and Capacity Development Action Plan for Climate Change Management for a number of countries in South Asia;
- Developed a Strategy and Action Plan for Involving Private Sector in Forestry and other Natural Resources sectors (NTFP, PES, Eco-tourism) for Nepal;

- Played a key role in influencing the inclusion of strong Mountain chapter (Para 210-212) in Rio+20 outcome document – THE FUTURE WE WANT.
- Concept writer, initiator and organizer of the first ever Mountain and Climate Day (Mountain Day 1 and Mountain Day 2) on the sideline of UNFCCC COPs, 2011 & 2012.
- Instrumental in developing academic, physical, and human resources as the founding Director (Campus Chief) of the Institute of Forestry, Pokhara, Nepal (1983-1995);
- As the DDG, of ICIMOD played instrumental role in developing global and regional partnership programmes in climate change and ecosystem management
- Deputy Chair (global) (2016-2021) & Vice Chair (Asia)/South Asia Chair (2014-2022) of the IUCN Commission on Ecosystem Management (CEM);
- Co-Chair, IPBES Regional Assessment of Biodiversity and Ecosystem Services in Asia-Pacific region in 2015-2018;
- Task Force member and co-chair of the IPBES Task Force on Indigenous and Local Knowledge (ILK); played major role in developing IPBES's ILK approaches and participatory mechanism;
- More than 130 peer reviewed and conference papers, book chapters and feature articles;

DETAIL PROFESSIONAL EXPERIENCE:

Major Work Experience (1983-2022)

Distinguished Fellow (2021-present), Centre for GReen Economy Development, Nepal
Adjunct Professor (2020-present), Institute of Forestry, Tribhuvan University, Nepal
Member, Env. Protection and Climate Change Management National Council (2022-Environment and Climate Change Advisor to the Prime Minister of Nepal (2021-22)
Member, Advisory Committee of the Rupantar (Transforming...Food System); ACIAR Project Executive Director (2015-2021), Centre for Green Economy Development, Nepal (CGED-Nepal), www.cgednepal.org; I am the founder, promoter and manager of the not-for-profit private knowledge based organization with a vision of 'resilient society practicing climate compatible development, good governance of natural resources and inclusive and equitable practices'. The mission is to work collaboratively and co-operatively at local, sub-national, national and international levels to promote green, clean, and fair socio-economic development policy and programs.

Team Leader (Multiple Positions),

- a. World Bank: Co-Team Leader: Country Climate and Development Report Preparation Project
- b. FAO: Assessment of Organic Agriculture in Karnali Province, Nepal (2020-21)
- c. GEF/FAO: Baseline Study for Sustainable Forest Management and Biodiversity Conservation in Eastern Hills, Nepal (2020-21);
- d. WWF/GoN: Preparation of Integrated River Basin Management Strategy and Action Plan
- e. SDIP/ACIAR/IFPRI Food System Foresight Research in Indo-Gangetic Plain

Team Leader: DFID/MoPE Adaptation at Scale (A@S) Project, www.adaptationatscale.org

Managed an innovative and transformative project to select and cash award 10 best innovative climate change adaptation practitioners and award them with 10 different cash prizes from the total prize pot of 500,000 GBP to scale-up and scale-out adaptation in Nepal.

Team Leader, Integrated Watershed Management Project, www.brbiip.np.org

As the Watershed Management and Social Mobilization Expert I led a team of 8 member experts in designing and implementing an integrated and participatory watershed improvement and

management project; Under this project around 8000 trees and shrubs were planted through participatory afforestation and reforestation activities in Shivapuri Nagarjun National Park, Kathmandu; the project has improved the quality of forested watershed, water conservation and disaster risk reduction in upper Bagmati river watershed.

National and International Consultancy (ADB, SDC, USAID, WWF, GEF, MSFP; MoFSC),

- **Team Leader** for Australian Govt. (SDIP) funded and IFPRI, New Delhi coordinated Food System Research in Nepal (2018-2020); Currently ongoing,
- **Lead Consultant**, Terminal Evaluation of the WWF/GEF/GoN funded Sustainable Land Management Project, April-June, 2017.
- **Lead Consultant**, Mid-Term Evaluation of the WWF/GEF/GoN funded Sustainable Land Management Project, April-June, 2016
- **International External Reviewer** of the Terminal Evaluation of the Swiss-ASEAN Social Forestry and Climate Change Project in ASEAN countries (April-May), 2016.
- **National Consultant:** Provide inputs to planning, management, and implementation of the SDC/MSFP/MoFSC funded Knowledge Management and Case Study Preparation.
- **International Consultant** for Terminal Evaluation of the MEE/UNDP/GEF Project on Payment for Watershed Ecosystem Services (PWES) in Chishui River, Guizhou province, China.
- **Advisor, Integrated Development Services (IDS), Nepal (IDS-Nepal)**
Provide advice on Climate Change and Natural Resources Management projects.
As the Forestry Expert of the ETA Consult (affiliate of IDS-N), drafted the draft report to set up **National Forestry Entity (NFE) in Nepal.**
-Assisted the IDS/MSFP team in Ecosystem Based Adaptation (EBA) and developing

MoSTE/ADB/ISET-Nepal/IDS-Nepal

-**Team leader**, Research Project on Indigenous and Local Knowledge in Climate Change Adaptation (CCA); As the Team Leader of the ADB TA research project, designed the project, implemented the field study in 18 districts of Nepal and prepared two volumes of Reports on Indigenous Practices in Climate Change Adaptation published by the Ministry of Environment, Govt. of Nepal and ADB, Manila in 2015; available at: <http://ppcr.moste.gov.np/wp-content/uploads/2015/03/ADB-report-final_Web.pdf

MoFSC/UNEP/UNDP/IUCN EBA Project

Eco-system based Adaptation (EbA) Vulnerability Impact Assessment (two publications released)
- **Co-authored** the report on: Vulnerability and Impact s Assessment for Adaptation Planning in Panchase Mountain Ecological Region, Nepal; published by
<http://www.forestrynepal.org/publications/gray-literatures/6365>

Institutional and Capacity Building Consultant,

ADB/Govt. of Bangladesh,

Knowledge Gaps and Capacity Development Action Plan for Climate Change Management in Bangladesh (ADB/BAN/PPCR TA Project); 2015

Prepared Knowledge Gaps and Capacity Development Action Plan for Climate Change Management in Bangladesh (ADB/BAN/PPCR TA Project); 2015

**PROFESSIONAL SERVICES/POSITIONS HELD IN DIFFERENT NATIONAL/
INTERNATIONAL ORGANIZATIONS**

- Prepared and submitted a report on “Roadmap for Mainstreaming Climate Change in Sustainable Forest Management – A Multi-stakeholder Approach”
- Moderated and facilitated UNDP supported international conference on: “Addressing Climate Change; Environment and Water; Clean and Sustainable Energy; Linking Technology and Spiritual Value Creation”.
- Developed ‘Strategic Action Plan’ for converting FED as a professional Business Development Service (BDS) and Knowledge Hub for increasing forestry business enterprises in Nepal; Client: FNCCI, Nepal
- National. /Int. Consultant (Forestry, Climate Change, Evaluation. Strategy & Capacity Development):
- Multistakeholder Forestry Project (SDC/DFID/FINIDA/GoN) for preparation of the CC framework in Forestry.

Global Deputy Chair and Asia Vice Chair: IUCN Commission on Ecosystem Management, Promoting Nature and Ecosystem Based-Solutions for meeting Sustainable Development Goals (SDG); contributor to Beijing Declaration, 2015:
http://cmsdata.iucn.org/downloads/beijing_declaration_final_b_18_nov_2015.pdf

Member, Multi-Disciplinary Expert Panel: Help oversee all IPBES scientific and technical functions.

Co-Chair, IPBES; Led a global group of more than 100 experts to prepare a regional assessment report on status, trends, drivers, scenarios and policy options on biodiversity and ecosystem services protection, conservation and sustainable use;
<https://ipbes.net/assessment-reports/asia-pacific>).

Co-chair of the Task Force on Indigenous and Local Knowledge Intergovernmental Platform for Biodiversity and Ecosystem Services (IPBES): helped develop principles and participatory mechanism for including indigenous and local knowledge, practices and people in IPBES knowledge products

Coordinating Lead Author, Urban Biodiversity and Ecosystem Chapter, AR3-2, Urban Climate Change Assessment, UCCRN, Earth Institute, Columbia University, USA
 Contributed to the global Urban Climate Change Assessment; Full publication (in Oxford University Press): SUMMARY FOR CITY LEADERS launched at COP21, Paris, 2015
<http://uccrn.org/files/2015/12/ARC3-2-web.pdf>

Deputy Director General (2005-2012);

International Centre for Integrated Mountain Development (ICIMOD); Kathmandu, Nepal;

Leadership, Direction, Management and Coordination

- Provided leadership and directions to the entire ICIMOD’s Regional Programs; Developed and implement integrated river basin, integrated watershed and upstream-downstream linking programs, policies, institutions, and capacities to help different regional countries including Nepalese ministries (Forest, Agriculture, Environment, Water, Energy, Women’s welfare and Local Development);
- also helped in designing knowledge management including the GIS-based tools and technologies.

Regional Programme Coordinator/Senior Program Officer (1995-2005)

International Development Research Centre (IDRC, Canada; Regional Office, New Delhi)

- Community Mobilization, Participatory Conservation Program Development, Management and Coordination

- Knowledge, evidence and good practice based biodiversity and forest and watershed based ecosystem conservation through livelihood developed utilizing non-timber forest products especially Medicinal Plants, Bamboo and Rattan plants;
- Promoted Livelihood oriented biodiversity conservation and capacity building in Nepal and other SAARC countries; developed Medicinal Plants Network for Asia (http://mappa.icimod.org/mappa_overview.php?p=devolution)
- Developed Community Based Natural resources Management (CBNRM) approaches, procedures, participatory mechanisms and capacity development for sustainable management of biodiversity and ecosystem services;

Asia Program Officer,

Appropriate Technology International (ATI),

Participatory Biodiversity Conservation Research

Biodiversity Project management and networking in Asia; Managed projects and programs supported by the Biodiversity Conservation Network (BCN) e.g., Humla Biodiversity project and development of Network on NTFP Nepal

Campus Chief; Director of Research; Act/Acting Dean

Institute of Forestry, Tribhuvan University; Pokhara, Nepal;

Led the Academic and Administrative team to plan, design and develop the academic, institutional and physical resources for Nepal's first Forestry College in Pokhara; Mobilized fund, forged international partnership, and provided leadership in Nepal's forestry education, research and training.

Countries of Work Experience: Nepal, Afghanistan, Bangladesh, Bhutan, China, India, Myanmar, Pakistan, Sri Lanka, Thailand, Indonesia, Philippines, Malaysia, Kenya, Uganda, Tanzania, Cameroon, Nigeria, Ghana, Ethiopia. Vietnam.

RELEVANT PUBLICATIONS (most recent last)

A. Books

1. Sustainable Management of Common Forest Resources: An evaluation of selected forest user groups in western Nepal-a book published by the ICIMOD, Kathmandu, Nepal, 1993 (coauthors: JBS Karki and Neeta Karki)
2. Extensive Bamboo Production-to-Consumption Systems in Eastern Nepal: a case Study. INBAR Working Paper No. 17. INBAR, Beijing, China; 41 pp. (Madhav Karki, GR Sherchan and JBS Karki)
3. Forest Policy and Legal Framework in Nepal, Bhutan and China. Published by: Indian Council of Forestry Research and Education, Dehradun, India; Co-authored with Gautam Yadama, Prof. Zhu Zhaohua, Cai Mantang, R.M. Singhal, and Phuntso Namgayel.
4. Policy Priority for Sustainable Mountain Development; ICIMOD Publications, Eds. Golam Rasul and Madhav Karki; ICIMOD, Kathmandu, Nepal.

B. Book Chapters:

1. Natural and Human Resources of Nepal Himalaya – Management Prospects and Challenges, In: Himalayan Ecosystem, Ed. D.N. Tiwari, 1994; Publisher: International Book Distributor, 9/3 Rajpur Rd. Dehradun, India. 213-130 p.;
2. Reforestation of Degraded Hills in Nepal: Review of Silvicultural and Management Issues -In: 'Nature and Resources Journal', Supcon International, Chicago, 1990. (Co-authored with Dr. D.I. Dickmann).

C. Research Papers/Journal Articles (Peer Reviewed):

1. An Analytical Approach to Natural Resources Planning in Phewatal Watershed of Nepal -M.S. Thesis, Colorado State University, Co. U.S.A., 1982.
2. Impact of Multipurpose Trees on Small Farm Systems of Nepal -A Case Study of Karmaiya Village -In: Proceedings of the International Workshop on Multi-purpose Tree Species for Small Farm Use; Winrock International -F/FRED Project, Bangkok, Thailand

3. Fuel wood, Fodder and Timber, Needs and Environmental Constraint as a Forest Policy Issue -Paper published in 'Forestry' (a Journal of IOF, Nepal). No 10-3-9p.
4. Historical Perspective of Ecological Changes in the Hill Forests of Nepal: A Case Study of Kaski District, Western Nepal; The Nepal Journal of Forestry, pp. 43-48: (1), 1993.
5. Rehabilitation of Forestland in Nepal. Paper published In: Nature and Resources Journal of UNESCO, 88-96 p.
6. Improved Management of Fodder Trees in the Agro-forestry Systems in Central and Western Nepal. Unpublished Ph.D. Dissertation, Michigan State University.
7. Sustainable Management of Common Forest Resources: An Evaluation Result of User Group Managed Forest in Nepal; Paper published as the keynote address to the IUFRO International Workshop on Sustainable Forest Management, October 17-21, 1994, Furano, Hokkaido, Japan.
8. Distribution, Performance, and Utilization of Neem in Nepal. In: Genetic Improvement of Neem: Strategies for the Future, Ed. Michael Reed and James French, F/FRED -Winrock International, Bangkok, Thailand, 1993; p52-59.
9. Commercialization of natural resources for sustainable livelihoods: the case of forest products; In: Growth, Poverty Alleviation and Sustainable Management in the Mountain Areas of South Asia. Published by ICIMOD, German Foundation for International Development (DSE) and Food and Agriculture Development Centre (ZEL), Germany. 293-320 pp.
10. Managing Common Forest Resources through Improved Institutional Arrangements: A Case Study from Nepal's Mountains; In: Emerging Issues in Forest Management for Sustainable Development in South Asia - Proceedings of a South Asia Seminar. Asian Development Bank, Manila; 57-60 pp.
11. Influencing Policies through Local Realities: The Context of Shifting Cultivation (Principal Author: Napoleon Vergara); Paper presented in the workshop on Shifting Cultivation for Sustainability and Resource Conservation in Asia; IIRR, Manila, Philippines; August 14-27, 2000.
12. Institutional Development Process in Medicinal Plants Sector: a case study of Nepal. In: Proceedings of Wise Practices in Sustainable Management of Himalayan Medicinal Plants. PPI and IDRC (Eds. Y Yildiz Aumeeruddy-Thomas and Madhav Karki).
13. Organic Production of Medicinal and Aromatic Plants: A Strategy for Improved Value-Addition and Marketing of Products from the Himalayas. In: Proceedings of: Himalayan medicinal and aromatic plants: balancing use and conservation. (Eds.: Yildiz Aumeeruddy-Thomas and Madhav Karki).
14. Advances in Participatory Forest Management in South Asia: Learning from Field Experience in Bhutan, India and Nepal (2007); Co-author
15. Participatory Forest Management in South Asia: A Comparative Analysis of Policies, Institutions and Approaches, ICIMOD Talking Point Series No. 05/07, Kathmandu, Nepal; co-author with Golam Rasul.
16. Karki, M; Rasul G (2008) Issues, Options, Challenges and Opportunities in Promoting Community –based Natural Resource Management in HKH Region. In Rasul, G; Karki, M (ed.) Policy Priorities for Sustainable Mountain Development, pp 69-78. Kathmandu: ICIMOD
17. Rasul, G; Karki, M (2008) Political ecology of forest degradation in Chittagong Hill Tracts of Bangladesh, Published as book chapter of Common Property Resource. ICFAI University Press, India
18. Rasul G. and Karki M. (2009) A Comparative Analysis of Community Forestry and Joint Forest Management: Policies, Institutions and Approaches in South Asia; Paper accepted for presentation at the forthcoming World Forestry Congress; Buenos Aires; Argentina, 18-23 October, 2009.
19. Karki, Madhav and Rasul, Golam (2009): Poverty and Vulnerability in the HKH Region; Invited paper presented in the IFAD Regional Workshop; Manila; the Philippines.
20. Karki, Madhav and Rasul Golam (2009).Policies to Foster Trans-Boundary Economic Cooperation in the Hindu Kush-Himalayan Region; In: Meeting of Minds: Decision Makers from Asian and Alpine Mountain Countries Sharing Policy Experiences in regional Cooperation for Sustainable Mountain Development; P. 89-104; BMZ/ICIMOD/InWent; 2009
21. Karki, Madhav; A. Shrestha; and P. Mool (2009). Climate Change and its Increasing Impacts in Nepal; Published in Initiation -the annual journal of Kathmandu College of Forestry (KAFCOL), Kathmandu, Nepal.
22. Golam Rasul, Gopal B. Thapa & Madhav B. Karki. (2011). Comparative Analysis of Evolution of Participatory Forest Management Institutions in South Asia; In: Society & Natural Resources; <http://www.tandfonline.com/loi/usnr20> Available online: 11 Jul 2011.
23. Karki, Madhav Bahadur, Arun Bhakta Shrestha, and Matthias Winiger (2011); Enhancing Knowledge Management and Adaptation Capacity for Integrated Management of Water Resources in the Indus River Basin. In: Mountain Research and Development, 31(3):242-251. 2011; Published By: International Mountain Society; DOI: 10.1659/MRD-JOURNAL-D-11-00017.1 URL: <http://www.bioone.org/doi/full/10.1659/MRD->

[JOURNAL-D-11-00017.1](#)

24. Karki, Madhav (2013). Adapting to the Impact of Environment and Climate Change in the Asia Pacific Region in the Context of Sustainable Economic Development; Expert paper presented at the 16th General Assemble of the Asia Pacific Parliamentary Conference on Environment and Development (APPCED); Jan. 14-17, 2013; Kathmandu, Nepal.
25. Karki, Madhav Bahadur and Rameshananda Vaidya (2008). Adaptation to Climate Change Impacts and Regional Cooperation on Water and Hazards in the Himalayan Region; International Centre for Integrated Mountain Development (ICIMOD); <http://www.unep.org/environmentalgovernance/Portals/8/documents/ENGLISH%20Adaptation%20to%20Climate%20Change%20Impacts.pdf>
26. Karki, Madhav, and Jay Ram Adhikari. 2015. "Integrating Indigenous, Local and Modern Knowledge for Sustainable Conservation and Management of Forest Ecosystems in Nepal." *ForestryNepal: Gateway to Forestry Information in Nepal*. <http://www.forestrynepal.org/publications/article/6307>.
27. Vaidya Rameshnanand and Madhav Bahadur Karki (2013) Sustainable Management and Regional Cooperation for Himalayan Waters; In: *Informing Water Policies in South Asia*; Editors: Anjal Prakash, Chanda Gurung Goodrich, Sreoshi Singh; Publisher: Routledge; Taylor & Francis Group LONDON NEW YORK NEW DELHI ; 270-294 pp
28. Karki, Madhav, Ajaya Dixit, Kamal Thapa, Moon Shrestha (2013). Assessing Vulnerability and Planning Adaptation in Panchase: An Ecosystem-based Adaptation Approach; In: proceedings (forthcoming) of the International Conference on Forests, People and Climate: Changing Paradigm (FPCCP); Institute of Forestry, Pokhara, Nepal;
29. Dixit, A., Karki, M. and Shukla, A. (2015): Vulnerability and Impacts Assessment for Adaptation Planning in Panchase Mountain Ecological Region, Nepal, Kathmandu, Nepal: Government of Nepal, United Nations Environment Programme, United Nations Development Programme, International Union for Conservation of Nature, German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety and Institute for Social and Environmental Transition-Nepal. isbn : 978-9937-8519-2-3
30. Karki, Madhav (2014). Green Economy for Sustainable Development in Nepal: Role of Forestry Sector; In: *The Initiation*; Journal of the Student Forum for Forestry Research and Environment Conservation (SUFFREC). <http://www.nepjol.info/index.php/INIT/article/view/10259>;
31. MoSTE (2015). Indigenous and Local Knowledge and Practices for Climate Resilience in Nepal, Mainstreaming Climate Change Risk Management in Development, Ministry of Science, Technology, and Environment (MoSTE). Vol. 1: Synthesis Report; Vol. 2. Case Studies. Publisher, Govt. of Nepal; ISBN: 978-9937-2-9310-5; http://ppcr.moste.gov.np/wp-content/uploads/2015/03/ADB-report-final_Web.pdf; http://ppcr.moste.gov.np/wp-content/uploads/2015/03/Indigenous_Complete_web.pdf
32. Karki, Madhav. (2014). three recent Newspaper articles on Climate change issues and adaptation options. <http://epaper.ekantipur.com/ktpost/showtext.aspx?boxid=134537593&parentid=28721&issuedate=1822014>; http://www.myrepublica.com/portal/index.php?action=news_details&news_id=69392; http://np.ekantipur.com/the-kathmandu-post/2014/04/15/related_articles/inconvenient-truths/261715.html
33. Karki, Madhav (2015). Challenges, opportunities and trade-offs in commercialization of medicinal and aromatic plants in South Asia region; Deputy Global Chair, Commission on Ecosystem Management (CEM), IUCN & Global Task Force member, Indigenous and Local Knowledge, IPBES; <Http://Www.Academia.Edu/12863952/CHALLENGES OPPORTUNITIES AND TRADE-OFFS IN COMMERCIALIZATION OF MEDICINAL AND AROMATIC PLANTS IN SOUTH ASIA REGION>
34. Karki, Madhav; A. Shrestha; and P. Mool (2009). Climate Change and its Increasing Impacts in Nepal; Published in *Initiation -the annual journal of Kathmandu College of Forestry (KAFCOL)*, Kathmandu, Nepal.
35. Golam Rasul, Gopal B. Thapa & Madhav B. Karki. (2011). Comparative Analysis of Evolution of Participatory Forest Management Institutions in South Asia; In: *Society & Natural Resources*; <http://www.tandfonline.com/loi/usnr20>; Available online: 11 Jul 2011.
36. Karki, Madhav Bahadur, Arun Bhakta Shrestha, and Matthias Winiger (2011); Enhancing Knowledge Management and Adaptation Capacity for Integrated Management of Water Resources in the Indus River Basin. In: *Mountain Research and Development*, 31(3):242-251. 2011; Published By: International Mountain Society; DOI: 10.1659/MRD-JOURNAL-D-11-00017.1 URL: <http://www.bioone.org/doi/full/10.1659/MRD-JOURNAL-D-11-00017.1>
37. Karki, Madhav (2013). Adapting to the Impact of Environment and Climate Change in the Asia Pacific Region in the Context of Sustainable Economic Development; Expert paper presented at the 16th General Assembly of

- the Asia Pacific Parliamentary Conference on Environment and Development (APPCED); Jan. 14-17, 2013; Kathmandu, Nepal.
38. Karki, Madhav Bahadur and Rameshananda Vaidya (2008). Adaptation to Climate Change Impacts and Regional Cooperation on Water and Hazards in the Himalayan Region; International Centre for Integrated Mountain Development (ICIMOD); <http://www.unep.org/environmental-governance/Portals/8/documents/ENGLISH%20Adaptation%20to%20Climate%20Change%20Impacts.pdf>
 39. Karki, Madhav, and Jay Ram Adhikari. 2015. "Integrating Indigenous, Local and Modern Knowledge for Sustainable Conservation and Management of Forest Ecosystems in Nepal." ForestryNepal: Gateway to Forestry Information in Nepal. <http://www.forestrynepal.org/publications/article/6307>.
 40. Vaidya Rameshnanand and Madhav Bahadur Karki (2013) Sustainable Management and Regional Cooperation for Himalayan Waters; In: Informing Water Policies in South Asia; Editors: Anjal Prakash, Chanda Gurung Goodrich, Sreoshi Singh; Publisher: Routledge; Taylor & Francis Group LONDON NEW YORK NEW DELHI ; 270-294 pp
 41. Karki, Madhav, Ajaya Dixit, Kamal Thapa, Moon Shrestha (2013). Assessing Vulnerability and Planning Adaptation in Panchase: An Ecosystem-based Adaptation Approach; In: proceedings (forthcoming) of the International Conference on Forests, People and Climate: Changing Paradigm (FPCCP); Institute of Forestry, Pokhara, Nepal;
 42. Dixit, A. Karki, M. and Shukla, A. K. (2014). Vulnerability Impact Assessment and Adaptation Planning in Panchase. Ecosystem Region Nepal. Kathmandu: Institute for Social and Environmental Transition-Nepal/UNEP/UNDP/BMU; <http://reliefweb.int/report/nepal/vulnerability-and-impacts-assessment-adaptation-planning-panchase-mountain-ecological>; isbn : 978-9937-8519-2-3
 43. Karki, Madhav (2014). Green Economy for Sustainable Development in Nepal: Role of Forestry Sector; In: The Initiation; Journal of the Student Forum for Forestry Research and Environment Conservation (SUFFREC). <http://www.nepjol.info/index.php/INIT/article/view/10259>;
 44. Karki, Madhav et al. (2018). Chapter 1: Setting the scene. In IPBES (2018): The IPBES regional assessment report on biodiversity and ecosystem services for Asia and the Pacific; December 2018 In book: In IPBES (2018): The IPBES regional assessment report on biodiversity and ecosystem services for Asia and the Pacific. Karki M., Senaratna Sellamuttu S., Okayasu S., Suzuki W. (eds.). Publisher: Secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services IPBES), Bonn, Germany
 45. IPBES (2018): The IPBES regional assessment report on biodiversity and ecosystem services for Asia and the Pacific. Karki, M., Senaratna Sellamuttu, S., Okayasu, S., and Suzuki, W. (eds). Secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, Bonn, Germany. 612 p..
 46. Karki, Madhav (2016) Challenges_opportunities_and_trade-offs_in_commercialization_of_medicinal_and_aromatic_plants_in_South_Asia_region http://www.academia.edu/12863952/CHALLENGES_OPPORTUNITIES_AND_TRADE-OFFS_IN_COMMERCIALIZATION_OF_MEDICINAL_AND_AROMATIC_PLANTS_IN_SOUTH_ASIA_REGION;
 47. Karki, Madhav Bahadur and Chhote Lal Chowdhary (2019). Chapter 13 Non-timber Forest Products (NTFP) and Agro-forestry Subsectors: Potential for Growth and Contribution in Agriculture Development; In: Agricultural Transformation in Nepal Trends, Prospects, and Policy Options; Editors: Ganesh Thapa, Anjani Kumar and PK Joshi; Springer, 2019.
 48. Subedi, Roshan; Karki, Madhav; Panday, Dinesh. 2020. "Food System and Water–Energy–Biodiversity Nexus in Nepal: A Review; Agronomy 2020, 10, 1874; oi:10.3390/agronomy10121874 www.mdpi.com/journal/agronomy;
 49. Dahal, Hari; Karki, Madhav; Jackson, Tamara; Panday, Dinesh. 2020. "New State Structure and Agriculture Governance: A Case of Service Delivery to Local Farmers in the Eastern Gangetic Plains of Nepal" Agronomy 10, no. 12: 1874. <https://www.mdpi.com/2073-4395/10/12/1874>;
 50. Karki, Madhav et al. (2021). Chapter 24. Biodiversity, Climate Change and Economic Development in Asia-Pacific Region; In: World Scientific: ENCYCLOPEDIA OF CLIMATE CHANGE; Case Studies of Climate Risk, Action, and Opportunity; Edited by Jan W. Dash, PhD; <https://www.worldscientific.com/page/encyclopedia-of-climate-change>

CERTIFICATION:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

Madhav Karki



[1/12/2019]
