

## Madhu Sudan GAUTAM

### Development Economist

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Areas of Expertise	Climate Change, Disaster Risk Reduction, Environment, and Energy
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Date of Birth	April 24, 1977

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### KEY QUALIFICATIONS

I am a research fellow at Institute for Frontier Studies (IFS) and worked as a former founding executive director at IFS. I was the former director of National Disaster Risk Reduction Centre (NDRC) Nepal from 2013 to 2018 and represented NDRC at national and international forums. I had started my career as high school science teacher back in 2000.

In between 2004 and 2007, I worked as program officer in “Mode Nepal”, a NGO based in Nepal where he provided program management, financial management, and administrative support in a multi-disciplinary project teams to promote participatory development approach through a policy, research, training & advocacy. I worked with NDRC Nepal as senior officer in between 2008 and 2011. In 2012, I worked as a teaching assistant at International University of Japan to Environmental and Agricultural Economics and represented in various workshops and forums. Back in 2013 to 2018, I was program director at NDRC Nepal. During this period, I had developed and led several project assessments, evaluation and survey studies on climate change, disaster risk reduction, and resilient livelihood. My engagement covered the sectors such as natural resource management, environmental management, education, health, agriculture, and energy among others. From 2019 onwards, I have been serving as freelance consultant.

I have also, worked as visiting faculty of Economics, Research Methodology, and Econometrics to undergraduate and graduate level students of Kathmandu University, Pokhara University, and Tribhuvan University in Nepal.

With over **15 years of professional experience**, I have been offering technical advice to the government and donors to build the capacity of officials and elected representatives of federal, provincial, and local level governments in Nepal. I have led several donors funded technical studies, and provided inputs to government on key policy, strategy, planning, ad capacity building processes at national and sub-national levels of government.

My recent engagements include- National Climate Change Survey 2023 in Nepal, Impact Evaluation of EVENT II project, Earthquake Reconstruction Project, Urban Water Supply and Sanitation Project, Local Level Financing and Service Delivery Capacity in Covid-19, Enterprise Development of Rural Households, Resilient Infrastructure & Economic Recovery Initiatives in Post Covid-19 with Particular Focus On Karnali Province, Impact of Professional Training (OJT), Energy Transition & Carbon Neutrality Initiatives in Nepal, Impact of Public Climate Investments, and Climate Change Institutional Assessment (CCIA) among others.

I have led, managed and provided technical support to multi-stakeholders’ projects and programs funded by government of Nepal, World Bank, ADB, UNDP, USAID, DFID and with several I/NGOs. My services supported in need assessments, project development & management, multi-stakeholder partnership, planning process, and build the capacity of the institutions in liaison with high level government and representatives of donor community.

I hold two master’s degrees in economics and development studies from Japan and Nepal respectively.

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### SPECIFIC CAPACITIES

- Institutions and policy analysis
- Data and policy analysis
- Small, medium to large scale survey design and administration
- Design, manage and provide technical support to multi-stakeholders’ projects and program
- Advisory services to the government and donors on disaster and climate risk
- Strategic analysis, planning and programing of risk informed development

- Mainstreaming of climate change adaptation and disaster risk reduction into national and local level planning process with sectoral focus
- Monitoring, Evaluation, and Learning
- Liaison with high level government and representatives of donor community.

## EDUCATION

- Prince of Songkla University** *Thailand*  
*PhD in Sustainable Energy (on progress)*
- International University of Japan** *Japan*  
*MA in Economics*
  - Core areas on micro & macroeconomics, statistics, mathematics, agricultural economics, health economics, environmental economics, project management, public policy, and econometrics
- College of Development Studies “Purbanchal University” Kathmandu, Nepal**  
*Master’s in development studies (MDeVs)*
  - Core courses on Agriculture & Rural Development, Community Development, Micro and Macro Economics, Applied Statistics, Research Methodology, Natural Resource Management & Disaster Risk Reduction, Development Perspectives, Project Development and Management.
- Tri-Chandra Multiple Campus “Tribhuvan University” Kathmandu, Nepal**  
*Bachelor of Science (BSc)*
  - Core courses on Mathematics, Statistics and Geology

## TEACHING EXPERIENCES

### From: August 2020 to present

Employer: Saraswati Multiple College, Tribhuvan University

Position held: Visiting Faculty /MA in Economics

### From: February 2017 to July 2020

Employer: Mid-Western University, Master in International Development & Cooperation (MICD)

Positions held: Visiting Faculty of Microeconomics and South Asian Economy

### From: 2015 to 2016

Employer: Kathmandu University School of Education (KUSOED), Nepal

Positions held: Visiting Faculty of Statistical Techniques for Research

### From: 2013 to 2015

Employer: Kathmandu College of Management (KCM), Kathmandu University

Positions held: Visiting Faculty of Research Methodology and Economic Development

### From: 2000 to 2003

Employer: Paragon Public School

Positions held: Senior Science Teacher

## PUBLICATIONS

- Timilsina, R. R., Rahut, D. B., Gautam, M. S., Mishra, R., & Sonobe, T. Are households shifting toward cleaner cooking fuel? Empirical evidence from India during 2005-2021. *Frontiers in Environmental Economics*, 2, 1137248.
- Bogati R., **Gautam M.S.** (2020) Disaster Recovery Toward Attaining Sustainable Development Goals. In: Leal Filho W., Azul A., Brandli L., Lange Salvia A., Özuyar P., Wall T. (eds) No Poverty. Encyclopedia of the UN Sustainable Development Goals. Springer, Cham. [https://doi.org/10.1007/978-3-319-69625-6\\_56-1](https://doi.org/10.1007/978-3-319-69625-6_56-1)
- Wali, N., Georgeou, N., Simmons, O., **Gautam, M. S.**, & Gurung, S. (2020). [Women and WASH in Nepal: a scoping review of existing literature](#). *Water International*, 45(3), 222-245.
- Shrestha, U. B., Shrestha, A. M., Aryal, S., Shrestha, S., **Gautam, M. S.**, & Ojha, H. (2019). [Climate change in Nepal: a comprehensive analysis of instrumental data and people’s perceptions](#). *Climatic Change*, 1-20.

- e. [Gautam, M.S.](#), Georgeou, N., Phillips, M., Pyakurel, U., Wali, N., & Clayton, E. (2018). Women and WASH in Nepal: Key Issues and Challenges, Humanitarian and Development Research Initiative, Western Sydney University, 2018. Available [here](#).
- f. Impact of Climate Change Finance in Agriculture on the Poor [http://moad.gov.np/public/uploads/1405688690-Collaborative%20Research%20\(1\).pdf](http://moad.gov.np/public/uploads/1405688690-Collaborative%20Research%20(1).pdf)
- g. National Climate Change Impact Survey 2016 [http://cbs.gov.np/image/data/2017/National%20Climate%20Change%20Impact%20Survey%202016%20Report\\_final.pdf](http://cbs.gov.np/image/data/2017/National%20Climate%20Change%20Impact%20Survey%202016%20Report_final.pdf)
- h. Foreign Aid and Public Policy Process in Nepal: A case of Forestry and Local Governance: <https://www.sias-southasia.org/publications-category/foreign-aid-and-public-policy-process-in-nepal-a-case-of-forestry-and-local-governance/>

## WORK EXPERIENCE

Position/ Organization	Title / Responsibilities	Period
Disaster data and policy expert/ United Nations-ESCAP SD, Bangkok, Thailand	Strengthen technical and institutional capacities of Nepal's national statistical system in the production and use of disaster-related statistics.  <b>Responsibilities:</b> Contribute to the disaster-related statistics report of Nepal with a focus on institutional arrangements and the national data ecosystem related to disaster-related statistics in the country; documenting key relevant national policy priorities and plans, institutional arrangements and mechanisms, data holdings and metadata as well as issues with respect to data quality and data gaps related to disaster-related statistics.	July-August, 2023
Institutional and M&E expert/CGED-AEPC, Kathmandu	Capacity Building of National Designated Authority, Government of Nepal, Development of Nepal's Country Programme to the Green Climate Fund and Developing Strategies for Private Sector Investment for Low Emissions and Resilience.  <b>Responsibilities:</b> Review of policies and frameworks, consultations, capacity development plans, workshop, trainings, reporting	May-December, 2023
Expert Consultant/National Disaster Risk Reduction and Management Authority (NDRRMA)	Preparation of Implementation Completion Report (ICR) of Earthquake Housing Reconstruction Project (EHRP), Funded by World Bank.  <b>Responsibilities:</b> Prepare the EHRP Implementation Completion Report (ICR) and facilitate data, information gathering and consultations with current and previous project team-members and stakeholders to enable the World Bank in developing its independent ICR. Prepare ICR following the requirements of the World Bank Completion Report Evaluation Guide. Evaluate the progress comprehensively and objectively, the completion of the expected objectives, project output, results, and impact, and summarize the experience and existence of the project implementation process.	March-June, 2023
National Consultant   UNDP Nepal	National Climate Change Survey, National Statistics Office (NSO), Government of Nepal  <b>Responsibilities:</b> <ul style="list-style-type: none"> <li>• To provide inputs on development of survey/ methodological framework, survey scope, statistical unit, coverage, sample design, questionnaire development, table preparation etc.,</li> <li>• Support in capacity building training for the climate change survey enumerators/supervisors,</li> <li>• Coordinate with CBS and help identifying potential actors and partners for implementation of National Climate Change Impact Survey of Nepal,</li> <li>• Participate and guide in the events for climate change data collection and management, ensuring quality assurance and quality control,</li> </ul>	January, 2023-December, 2023

Position/ Organization	Title / Responsibilities	Period
	<ul style="list-style-type: none"> <li>Support to design, collect the data on the disproportional impacts of Climate change to the most vulnerable people, particularly people under poverty line</li> <li>Facilitate CBS for consultation meetings, intensive workshops, and validation workshops,</li> <li>Support on finalization and publication of the NCCIS 2022/23 report.</li> </ul>	
DRM Expert/PACE Consultants Pvt. Ltd.	Preparation of DRRM Training Curriculum and Resource Manual  <b>Responsibilities:</b> Stocktaking of the DRRM capacity building initiatives by government and development partners. Identify the gaps in capacity building and prepare a comprehensive DRRM training curriculum and resource manual for the NDRRMA.	<i>January-June, 2023</i>
Expert/Bherigan ga Municipality & Chingad Rural Municipality	Preparation of the Tourism Master Plan of Bheriganga Municipality and Chingad Rural Municipality of Surkhet Distric, Karnali Province  <b>Responsibilities:</b> Review of the tourism policies, municipal plans and programs; workshop to municipal representatives and stakeholders on tourism potentials; data collection; analysis; identification of the initiatives for tourism section development ; prioritization of the projects; cost estimation; preparation of the tourism master plan; sharing & dissemination	<i>March-May, 2023</i>
Expert/Lungri Rural Municipality	Feasibility Study to strengthen Basic Health Services in Lungri Rural Municipality, Rolpa, Lumbini Province  <b>Responsibilities:</b> Review of the basic health guidelines and policies; workshop to municipal representatives and stakeholders on review of basic health services; data collection; analysis; identification of the initiatives for basic health sector improvement ; prioritization of the projects; cost estimation; preparation of the planning document; sharing & dissemination	<i>January-February, 2023</i>
Planning expert/Palata Rural Municipality	Preparation of Local Disaster and Climate Resilience Plan (LDCRP), Palata Rural Municipality, Kalikot, Karnali Province  <b>Responsibilities:</b> Review of the LDCRP guidelines and DRR policies; orientation to municipal representatives and stakeholders on LDCRP preparation; data collection; analysis; identification of the risk reduction initiatives; prioritization of the projects; cost estimation; preparation of the planning document; sharing & dissemination	<i>December, 2022-January, 2023</i>
Evaluation Expert   World Bank	Enhanced Vocational Education and Training Project II (EVENT II)- Impact Evaluation  <b>Responsibilities:</b> provide support to the World Bank task team and the EVENT II Project Secretariat (PS) of the GON in the design and implementation of the evaluation of the 1-year Professional Training program (supported through Component 1 of EVENT II). <ul style="list-style-type: none"> <li>Prepare the end-line questionnaire draft and the step-by-step survey plan</li> <li>Provide technical support to the PS and the survey firm with sampling, questionnaire finalization, pilot implementation, and any other task required to carry out the survey, to maintain the integrity of the evaluation and consistency with the base-line survey.</li> <li>Supervise the survey firm during the data collection process.</li> <li>Coordinate between the PS/Survey firm and the World Bank to resolve issues that emerge during the endline data collection and preparation of the clean end-line data set</li> </ul>	<i>December, 2022-March, 2023</i>

Position/ Organization	Title / Responsibilities	Period
	<ul style="list-style-type: none"> <li>Work with the World Bank team on data analysis from the baseline and end-line surveys and evaluation report writing.</li> </ul>	
Impact Evaluation Expert/World Bank Nepal	<p><b>Enhanced Vocational Education and Training Project II (EVENT II)</b> Responsibilities: Finalization of the design of the Profession Training program evaluation including the baseline; Provide technical support to the PS and the survey firm with sampling, questionnaire finalization, pilot implementation, and any other task required to carry out the survey to maintain the integrity of the evaluation; Supervise the survey firm during the data collection process.</p>	<i>October 2021- April , 2022</i>
Consultant   Oxford Policy Management (OPM) for World Bank	<p><b>Nepal Climate Change Institutional Assessment (CCIA)</b> Responsibilities: Provide overall day-to-day technical leadership and write-up support for the assignment, provide necessary guidance to team members to ensure the scope of the assignment is met; Take part in engaging with relevant national, provincial, and local government stakeholders to ensure their views are incorporated; Ensure all the relevant indicators data and information are collected and analyzed for practical recommendations on policy action and institutional reform for climate change governance; Lead the section write-up as per CCIA diagnostic tools as per the agreed table of contents and assure the quality; Closely liaise with the World Bank team to ensure ongoing processes are taken into account and add value to the process.</p>	<i>February- October, 2022</i>
Consultant   Pacific Consultants Co. Ltd., Japan	<p><b>Consultancy Service on Survey and Review on Energy Transition and Carbon Neutrality Promotion in Nepal.</b> Responsibilities: 1) Review and summarize government's and related line ministries' policy frameworks, measures and institutional arrangement accelerating Energy Transition (ET) and Carbon Neutral (CN) in energy and other sectors which are major greenhouse gas emission sources. This include policy frameworks, measures and institutional arrangement in accelerating electrification and energy efficiency in residential, industry and transport sector, and also policies for carbon pricing and cross-border interchange of electricity; 2) Review and summarize international donors'/Multi Development Bank's assistance programme/project and other forms of assistance, except Japan, in accelerating ET and CN including electrification; 3) Collect information related to carbon business trends including carbon trading in Nepal and cross-border interchange of electricity; 4) Interview and consultation with the concerned entities in Nepal.</p>	<i>March-July, 2022</i>
Team Leader, National Consultant/UND P Nepal	<p><b>Best practices on green recovery, resilient local infrastructure, and COVID-19 response. Local Infrastructure Services Programme Pilot: 'Karnali LISP Pilot for Capacity Development of Local Governments for Resilient Infrastructure and Livelihood Services Project (CDRIL)</b>  Responsibilities: Define qualifying criteria to determine best practices related to resilient infrastructure development, green recovery and covid-19 response; Analyze the interventions, strategies, approaches and modalities used by the project- against the qualifying criteria to determine best practices under various categories such as planning and prioritization, infrastructure design and feasibility, contractual process, contract management and supervision, quality assurance, operation and maintenance, etc.; Compile the detail design and implementation procedure; Analyze best practices in terms of its contributions to minimize environment and social risks, enhance participation of vulnerable community into decision making and opportunities for green jobs; Analyze incentive mechanisms; Review the plans and action adopted for diversifying the jobs opportunity (labor</p>	<i>March-April, 2022</i>

Position/ Organization	Title / Responsibilities	Period
	<p>intensive work, farm, and off-farm activities,), employment creation to affected vulnerable population as well as migrants' returnees at local level in wake of Covid 19 pandemic crises for its contributions towards green recovery and pandemic prevention; Interpret the best practice options that take into accounts the issues of</p> <ul style="list-style-type: none"> <li>• Needs of locals, their participation &amp; engagement particularly women, indigenous and excluded local groups</li> <li>• COVID-19 economic and social relief measures, social protection measures, and their associated benefits or impacts on the socio-economic and local infrastructure recovery, if any.</li> <li>• Public private partnerships and collaborative working together modality in a responsible and coordinated manner.</li> </ul>	
Consultant- Municipal Finance/Danish Red Cross (DRC)/IFRC, Kathmandu	<p><b>Study on Forecast Based Financing (FbF)</b> <i>Responsibilities: Review of DRR and Social Protection legislations and policies for integration to Forecast Based Action. Provide recommendation for advocacy to local, provincial, and federal level of governments.</i></p>	May-June, 2021 (intermittent)
Risk Financing Specialist/GeoA daptive, Boston, USA	<p><b>Nepal Municipal COVID-19 Recovery and Disaster Preparedness Assessment</b> <i>Responsibilities: Identify the municipal finance indicators, questionnaire design, review of secondary literatures, secondary data collection, primary data collection, assess the impact of COVID-19 in municipal service delivery, fiscal pressure/gaps, analyze the data, report writing, and dissemination.</i></p>	May 2021- June, 2022 (intermittent)
Specialist/Natio nal Reconstruction Authority (NRA) Donor: <b>World Bank Funded Loan Project</b>	<p><b>Disaster Risk Management for Earthquake Housing Reconstruction Project (EHRP) and Multi-Donor Trust Fund (MDTF)</b></p> <p><u>Responsibilities:</u> develop project concept paper, need assessment, planning and budgeting, training manual preparation-disaster resilience, slope stabilization, &amp; resilient development works at the local level in earthquake affected districts, support NRA in communication with the government agencies and WB, prepared monthly reporting, update monthly agreed action, provided oversights to the integration of DRM in the earthquake recovery, equipment (assistive devices) &amp; livelihood support to PWD beneficiaries, support in preparation of Implementation Completion Review Report (ICRR).</p>	January 2019- December 2021
M&E specialist/UNDP	<p>Green Climate Fund Readiness Programme.</p> <p><b>Responsibilities:</b> Review the country climate risk financing frameworks and prepare the M&amp;E and Standard Operation Procedure (SOP) for the Nepal Green Climate Fund (GCF) Portfolio.</p>	December 2019-February 2021 (intermittent)
Economist & Statistician / National Natural Resources and Fiscal Commission (NNRFC), Government of Nepal	<p>Estimation of Disparity Index of Provinces and Municipalities of Nepal.</p> <p><b>Responsibilities:</b> estimate the disparity index of the provinces (7) and local levels (753) of Nepal. The disparity index provided criteria for the government to allocate the government financial resources in provinces and municipalities.</p>	December 2018-February, 2019
Resilience Expert/UNICEF Nepal	<p>Comprehensive School Safety (CSS)/ Technical support to government of Nepal, Ministry of Education</p>	June- December, 2018

Position/ Organization	Title / Responsibilities	Period
	<b>Responsibilities:</b> Preparation of CSS guidelines, strategy, need assessment, act as a resource person, contribute in training & orientation manual, sharing and dissemination of the outputs	
Team Leader /Plan International	Climate, Vulnerability and Resilience (CVR) Assessment of Water, Sanitation, and Hygiene (WASH) SDG project in Sunsari and Sindhuli districts of Nepal  <b>Responsibilities:</b> The assessment to recommend the WASH SDG Project activities and develop financing plan	January- February, 2018
Technical Expert/Simavi, Netherlands	Gender and Social Inclusion (GESI) Assessment of Water, Sanitation, and Hygiene (WASH) SDG project in Sunsari and Sindhuli districts of Nepal  <b>Responsibilities:</b> Survey design, administration, analysis of the data and report writing	March-April, 2018
Financial & Economic Specialist, DWSS/ADB	Project Preparation and Technical Assistant to Urban Water Supply and Sanitation Project (UWSSP)  <b>Responsibilities:</b> Preparation/Update Financial Analysis, Economic Analysis, Update the Financial Management Assessment, Procurement Capacity Assessment and Risk Assessment and other related loan processing requirement of ADB. Assist team leader for preparation of documents as detailed out in scope of work. Attend in the meetings as necessary and provide support to the team members.	December 2017-March, 2018
Resilience Expert, Oxfam Nepal	Final Evaluation on Disaster Risk Management and Humanitarian Preparedness.  <b>Responsibilities:</b> Review project documents, evaluation design, field assessment, data analysis, and lead in writing the study report.	December 2017-January, 2018
DRR Specialist/ NDRC Nepal Donor: Danish Red Cross	Enhancing preparedness for emergency response through stronger national systems in Nepal with focus on Far western and Mid-Western Regions  <b>Responsibilities:</b> strengthen and consolidate DEOC capacities and functionality in Banke, Bardiya Dang, Kailali and Darchula districts, including Information Management platforms, in consultation with Government and key stakeholders; orientation, capacity building, development of standard operating procedure (SOP), develop & strengthen the non-disaster time data collection system, develop Information & Management Platform (IM).	August 2017- November, 2018
DRR & CC Specialist/NDRC Nepal, Donor: European Union (EU) with consortium Partners: DCA, ADRA, & VSO	PRAGATI-Promoting resilient cities and sustainable urban growth by augmenting DRR capacity of local authorities through active private sector involvement.  <b>Responsibilities:</b> project design, development of monitoring and evaluation framework, project execution, and monitoring; establishment of Local Emergency Operation Centre (LEOC), training and orientation to local representatives in DRR integration in annual plan, assessment of private sector involvement in DRR, development of DRR Information and Management (IM) platform, support to prepare DRRM plan of the municipality (LDCRP) and private sectors.	August 2017- December, 2018
DRR & Climate Change Specialist /NDRC Nepal Donor: Basket Fund of consortium	SURAKSHIT SAHAR: Urban DRR project in Kathmandu Valley: Urban resilience through DRR strengthened in Kathmandu Valley  <b>Responsibilities:</b> project design, development of monitoring and evaluation framework, project execution, and monitoring, training and orientation to local representatives and community health & education professionals on integration of DRR in annual plan, support on Search and Rescue (SAR)	August 2017- January, 2018

Position/ Organization	Title / Responsibilities	Period
partners- LWR, ADRA Nepal, DCA, and VSO	<i>materials, preparation of standard operation manual for SAR material, risk assessment and risk mapping.</i>	
Financial & Disaster Resilience Expert, NDRC Nepal for DFID Nepal	Nepal Urban Resilience Project (NURP): Scoping Study  <b>Responsibilities:</b> <i>review and assessment of the financing sources and constraints in resilient structures and development in the new emerging cities in Nepal.</i>	September 2016-March, 2017
Technical expert – Climate change - supporting Evaluability assessment, LTS UK for DFID NCCSP2 transition phase	Evaluability Assessment for Nepal Climate Change Support Programme: Second Phase  <b>Responsibilities:</b> <i>Identification, collation and review of relevant documentation (and proxy data) that could be used to evaluate NCCSP2 – some of which may only be in Nepali – in collaboration with the Task Team Leader and the Team Leader. Attend relevant meetings as required (e.g. the proposed meeting of NCCSP2 design/transition teams). Engagement with NCCSP2 transition team to ensure relevant elements of the Evaluability assessment work can be integrated into the NCCSP Evaluation Strategy, including looking at the municipality as the ‘unit of evaluation’.</i>	September-December, 2017
DRM Specialist/ NDRC Nepal. Donor: ADRA Nepal	BURDAN: Building Resilience to Disaster by Promoting and Mainstreaming Disaster Risk Management and Resilience Initiatives in Earthquake Affected Communities: Kavre and Dhading Districts of Central Nepal.  <b>Responsibilities:</b> <i>contribution in project design, development of monitoring and evaluation framework, project execution, and monitoring; strengthening the capacity of District Emergency Operation Centre (DEOC), School and Community based DRR initiatives.</i>	February, 2017- June, 2018
Consultant, Danish Red Cross	Flood Response Assessment of District Emergency Operation Centre (DEOC) and District Disaster Relief Committee (DDRC) for ECHO project support  <b>Responsibilities:</b> <i>Review of the documents, study design and tool preparation, consultation with CDO, cluster heads, DEOC staffs, and representatives from flood affected areas, assess the effectiveness of DEOC in flood information collection and dissemination.</i>	September-October, 2017
Lead Researcher/Economist & Statistician, UNDP Nepal	Collaborative Research: Impact of Climate Change Finance on the Poor who are Climate Vulnerable  <b>Responsibilities:</b> <i>Designing the research framework, reviewing relevant documents (policies, study reports, etc.), reviewing relevant literature on implementation of climate initiatives at national and sub-national level, developing study plan, checklist and questionnaire, participating in the field visits to districts and village development committees, to collect first-hand evidence on climate change initiatives’ achievements, interviewing key government officials, sector representatives, beneficiaries and other stakeholders, relevant community organizations, user groups and donors concerning performance of climate investment; analyzing available data to document the extent to which the investment achieved its intended objectives; coordinate with the team members, engage them and receive their contribution in the research.</i>	December 2016 to June, 2017

Position/ Organization	Title / Responsibilities	Period
Economic and Financial Specialist, World Bank (WB)	<p>Project scoping study for delivering Water and Sanitation Services in Small Towns in support of Nepal's Fifteen Year Plan (2015-2030) for small town water supply and sanitation</p> <p><b>Responsibilities:</b> <i>Assessment of piped water supply and sanitation services in the selected small towns, capacity of the department of water supply and sanitation (DWSS) and participating local institutions in project plan and operation, and review the socio-economic dynamics of selected water supply schemes. Identify the issues of water revenue collection. Economic assessment of current water tariff and analysis of tap water consumption behavior. Assess the unit cost, operation cost, availability of land and perceived need of the sewerage system. Identify the GAPS in the water users and sanitation committees (WUSC) and understand the issues of women, children and disadvantage groups. Review of documents, consultation at concerned Ministries, Departments, and local consultation at the selected water supply and sanitation schemes. Visit three of the water supply and sanitation schemes. Consultation with members and officials at WUSC, municipalities, district development committees (DDC), and local political representatives.</i></p>	February-July, 2016
Consultant, World Bank (WB)	<p>IEG Project Performance Assessment for P071285 Nepal Second Water Supply and Sanitation Project</p> <p><b>Responsibilities:</b> <i>Reviewing internal project documents (Project Documents, ICRs, ISRs, ICR Review, correspondence, etc.); Reviewing any relevant literature on implementation of rural water supply and sanitation infrastructure in Nepal around the project implementation period and on the evidence of success/failure of the demand driven and community-based approach to promote good governance and project sustainability; Participating in field visits to Nepal to collect first-hand evidence on project's achievements; Interviewing key Bank staff, Government officials, sector representatives, project beneficiaries and other stakeholders, relevant NGOs, water user groups, and donors in Nepal concerning project's performance; Analyzing available data to document the extent to which the operation achieved its intended objectives in respect of the second development objective, including data noted in the ICR Review that could have been utilized in the ICR; Leading specific sections of the PPAR report.</i></p>	November 16, 2016 to March 31, 2017
Task Team Leader, Practical Action Nepal	<p>Strengthening <u>National Climate Change Impact Survey (NCCIS)</u> Process of Central Bureau of Statistics (CBS), Government of Nepal</p> <p><b>Responsibilities:</b> <i>Review relevant documents and literature on impact of climate change and adaptation, support CBS to finalize the methodology of the survey questionnaire, leading workshop and receive feedback, finalize the questionnaire, coordinate with thematic expert &amp; receive their inputs, contribute in survey manual, participate in training to enumerators and survey monitoring, develop report format and analysis plan, analyze the data and lead sections of NCCIS report. Key Areas: Forest, Water &amp; Energy, Agriculture, Urban, Health, Tourism, Gender, and Disaster</i></p>	February 2016 to March, 2017
Consultant, Plan International Nepal	<p>Final Evaluation of 'Building Back Safer School' for All' Project in Dolakha, Sindhupalchok, Sindhuli, Makwanpur, Kathmandu and Lalitpur districts</p> <p><b>Responsibilities:</b> <i>Designing the research framework and tools, reviewing relevant documents (policies, study reports, etc.), reviewing relevant literature, training to enumerators and supervision, quality assurance, consultation with relevant stakeholders (e.g. district education office, school</i></p>	March-April 2017

Position/ Organization	Title / Responsibilities	Period
	<i>management committees, parents, teachers, students, Kathmandu University, national federation of disabled Nepal, etc.), writing part of the report, etc.</i>	
Consultant, Plan International	Final evaluation of 'Climate Smart Safe Schools for Resilient Communities in Nepal' project in Sindhuli and Makwanpur districts	January-February, 2017
Consultant, CEEDF	End line Survey of Knowledge, Attitude and Practice (KAP) of Climate Smart Safe School and Child Centered Disaster Risk Reduction (CCDRR) at Schools in Makwanpur and Sindhuli	December 2016
Lead Consultant, Habitat for Humanity Nepal	Final Evaluation of Ghorahi Community Development Project in Dang district/ Responsibilities: Study design, review of documents, consultation with local government & local implementing partner, quality assurance, drafting part of the report, etc.	April-May 2017
Consultant, Habitat For Humanity Nepal	Final Evaluation of "Strengthening of Female Headed Households Project" (Phase II)	May-June, 2016
Consultant Statistician, National Planning Commission, Government of Nepal	Evaluation of Multi-Stakeholders Forestry Program (MSFP) in Nepal/ <i>Review of project documents, checklist and questionnaire preparation, training to enumerators, field assessment, drafting the study report, reporting and dissemination.</i>	April-August, 2016
National Consultant, Danish Red Cross, DIPECHO 8 - RED CROSS CONSORTIUM	Development and Strengthening of District Emergency Operational Centers (DEOCs) and Establishment of Climate Induced Disaster Information Management System (CI-DIMS)	June-December, 2016
Consultant, AAIN	Review of "Sustainable Land Resource Management Initiatives in the Upstream and Downstream Communities" of Banganga River Basin of Arghakhanchi and Kapilvastu	Aug-Sep 2016
Consultant, AAIN Ready for anything: Aid match project	Review of "Climate Resilient Farming System Project" in Karnali (Bardiya), Narayani (Nawalparasi) and Sabha Watershed (Sankhuwasabha)	June-July 2016
Consultant, Abhiyan Kapilvastu/ADR A	Participatory Assessment of Birja Wetlands of Balkapur/Kapilvastu	Feb-March 2016
Consultant, Hariyo Ban Programme/W WF	Preparation of Integrated Watershed Management Plan of Banganga Watershed of Arghakhanchi and Kapilvastu	April-May, 2016
Consultant/The Story Kitchen  Governance Facility Program	Peace Building and Democratic Development: Voices for Justice, Baseline Survey Design and Analysis	May-June, 2016
Task Team Leader/ World Education	Final Evaluation of Family Financial Planning Education Training/ <i>Review of the project documents, questionnaire preparation, administration of enumerators, data mining, analysis, and report writing.</i>	April- May, 2016

Position/ Organization	Title / Responsibilities	Period
Livelihood Expert/ Handicap International	Economic Recovery Need Assessment in Kavre District	February-March, 2016
Quantitative Analyst/ Community Energy and Ecology Development Forum	Knowledge, Attitude and Practice (KAP Survey of Schools in Makwanpur and Sindhuli)	January-February, 2016
Team Leader, Oxfam Nepal	Assessing Livelihood Opportunities for Poor and Vulnerable Households in the Eastern Terai Region: Saptari, Rautahat, Dhanusha, and Sarlahi Districts of Nepal	November-December 2015
Technical Advisor, Oxfam GB/NDRC Nepal	Effectiveness Study: Disaster Management and Humanitarian Preparedness	December 2015- January, 2016
Survey Expert, HelpAge International	Assessing the Impact of Earthquake on Older People and Persons with Disabilities and How, Gender and Ethnicity Factor into the Impact	October-November, 2015
Consultant, Mission East	Early Recovery and Livelihood Assessment	August, 2015
National Consultant, UNDP Nepal	Evaluation of Emergency Operating Centers (EOC) in Nepal <i>Responsibilities: Assessment of functionality of NEOC, and DEOCs of Nepal, consultation with the government and non-government stakeholders</i>	March-June, 2015
National Consultant, Plan International	Developing Earthquake Recovery and Rehabilitation Strategy	August-September, 2015
Economic Expert, Hariyo Ban/WWF Nepal	Preparation of PES Implementation and Monitoring Plan in Phewa Watershed	May- July, 2014
Panel Data Analyst, Supported by Global Development	Impact of ICT in School Education	August-December, 2013
Economist/Program Director, National Disaster Risk Reduction Centre (NDRC), Nepal	Worked as overall planning, monitoring, supervision, and execution of the various project activities.	July 2013-February 2015
Program Director, National Disaster Risk Reduction Centre (NDRC), Nepal	Worked as overall planning, monitoring, supervision, and execution of the various project activities.	January 2007 to August 2011

Position/ Organization	Title / Responsibilities	Period
Senior Program Officer, MODE Nepal	<ul style="list-style-type: none"> <li>• Programme Management Support: support to program team in preparation of work plan, budgets, reports, &amp; proposals; prepare power point; assemble materials; identify the data/information and compile; review &amp; prepare documentation; tracking the activities &amp; resources.</li> <li>• Financial Management Support: support in financial management; keep track of databases; support program team in tracking and reporting of the financial resources.</li> <li>• Administrative Support: support in organization of meetings, workshops, &amp; events; make travel arrangements including the requisition &amp; claims; maintain electronic and hard files up-to-date.</li> <li>• Work as per the instruction of the task team leader.</li> </ul>	January 2004 to January 2007

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## ONGOING WORKING PAPERS

- Gautam, M.S, Koirala, P. (2023). Adoption of Induction stoves for clean cooking
- Gautam, M.S, Shyam, B., Koirala, P. (2023). Formal schooling and climate change adaptation
- Gautam, M.S, Koirala, P. (2023-2024). Role of local government in disaster risk reduction: a case study from Nepal

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## CONFERENCE/WORKSHOP PARTICIPATION & PAPER PRESENTATION

- Workshop on DRR & Climate Change Impact, Dhaka, Bangladesh (December 25-30, 2016)
- Workshop in **Trade Research** at UNESCAP, Bangkok, **Thailand** (June 15- 19, 2015)
- Workshop on '**Frontier Areas in Econometrics and International Trade and Finance.**' IIT Kanpur, **India** (Dec.10-21, 2014)
- Conference on **Public Economics** held at International University of Japan, **Japan** (2013). Supported by Japanese Association of Public Finance, Japan Statistical Association, and the University of California Irvine, US.
- Paper Presented at International Conference on Forest, **peoples & climate change: Changing paradigm (2013)**, Pokhara, **Nepal**
- International Conference on **Economic Growth**. (2013). Indian Statistical Institute, Delhi, **India**
- Participated and presented a paper on **Policy process in Nepal** in the University Student Conference (2012), held at Waseda University, **Japan**.

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## EDITOR-PUBLICATION

- National Reconstruction Authority and National Disaster Risk Reduction & Management Authority (2020). Local Government towards disaster resilience: A training manual on resilient reconstruction and development. Kathmandu, Nepal.
- National Reconstruction Authority and National Disaster Risk Reduction & Management Authority. (2021). Manual for hands-on training to engineers on slope stabilization techniques. Kathmandu, Nepal.
- National Reconstruction Authority and National Disaster Risk Reduction & Management Authority (2021). Mainstreaming Disaster Risk Reduction into Construction Works: Resilient Infrastructures. Kathmandu, Nepal.

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## TRAINING

- Five days training on '**Disaster Resilience**', Organized by National Reconstruction Authority (NRA), Government of Nepal
- Ten days training on '**Mainstreaming Disaster Risk Reduction into Construction Works: Resilient Infrastructures**', Organized by National Reconstruction Authority (NRA), Government of Nepal
- Short course on **Program Evaluation**, IZA/DFID, Kathmandu, Nepal, December 7-8, 2019
- Summer School on '**Environmental and Resource Economics**', South Asian Network for Development and Environmental Economics (**SANDEE**), AIT, Bangkok, Thailand, May 5-19, 2019

- ‘Nepal Data Literacy Program’, World Bank, Kathmandu, Nepal, June-July, 2019
- Frontier Areas in Econometrics in International Trade and Finance, Indian Institute of Technology (IIT), Kanpur, India, December 10-20, 2014
- Environmental and Natural Resources Economics, Doane University, An online learning initiative of Doane University July, 2019
- Applied Econometrics for Practitioners, World Bank, Kathmandu, Nepal, December 10, 2018- January 20, 2019
- Evaluating Social Programs: Executive Education, J-PAL/CLEAR South Asia at IFMR, New Delhi, India, July 11-15, 2016
- Research workshop on Trade Cost and Trade Facilitation, UNESCAP, Bangkok, Thailand, June 15-19, 2015

## MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

- Adjunct Fellow, Western Sydney University/Sydney, Australia (2023-2025)
- Advisor, National Disaster Risk Reduction Center (NDRC) Nepal (2019-2025)
- Member, Nepal-US Alumni Network
- Member, Japanese Universities Alumni Association, Nepal (JUAAN)

## INSTITUTIONAL AWARDS-NATIONAL DISASTER RISK REDUCTION CENTRE

- Winner of International Prize (Judges' Choice) for Solution Search: Farming for Biodiversity (Reward on Innovative Biodiversity Conservation), RARE-2017.
- Winner of Adaptation at Scale Prize (Protsahan Puraskar): Reward on Innovative Climate Change Adaptation in Nepal, 2016.

## COUNTRIES OF WORK EXPERIENCE

NEPAL, AUSTRALIA, INDIA, JAPAN, USA

## SKILLS

Project Development, Planning & Supervision; Project Appraisal; Project Management; Impact evaluation; Feasibility studies; Need assessments; Policy analysis; Financial analysis; M & E frameworks design; Capacity building; Curriculum development.

## SOFTWARE SKILLS

- STATA, Excel, SPSS, E-views for graphical and statistical analysis
- Data collection technology (e.g. KoBo, CSPro)

## LANGUAGE

Language	Level of Proficiency		
	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Nepali	Excellent	Excellent	Excellent
Hindi	Good	Fair	Fair

## COUNTRIES VISITED

United States of America, Australia, Germany, Japan, China, Thailand, Bangladesh, India, Netherland, Belgium, France

## REFEREE

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