

SOKHEM PECH

CURRICULUM VITAE

pechsokhem@yahoo.co.uk • +1-778-340-6397

Cambodian and Canadian

Fluent in English & Khmer and proficient in Russian & French

TECHNICAL SKILLS

- Communication
- Policy Dialogue
- Team Building
- Strategy & Policy
- Management/Leadership
- Computer Proficiency
- Geopolitics
- Risk Management
- Critical Analysis

COMPETENCIES

- Humility
- Decisiveness
- Influencing
- Relationship Building
- Listening
- Accountability
- Systems Thinking
- Self-awareness
- Empowerment

EDUCATION

2012

PHD, GRADUATE SCHOOL OF ENVIRONMENTAL STUDIES, TOHOKU UNIVERSITY

“Optimizing Science-Policy-Practice Interface for Informed Water Policy in Transboundary Mekong River Basin”

Sendai, Japan

1995

MASTER OF LAW (LLM), GRADUATE FACILITY, UNIVERSITY OF CALGARY

Water Law and Sustainable Development Principles

Calgary, Canada

1991

MASTER OF ARTS (WITH HONOURS), FACULTY OF INTERNATIONAL LAW, MOSCOW STATE INSTITUTE OF INTERNATIONAL RELATIONS

International Public Law and Diplomacy

Moscow, Russia

CAREER SUMMARY

2014 – PRESENT

MANAGING DIRECTOR, CLIMATE SYSTEM CONSULTANCY AND RESEARCH LTD.

Canada

2017 – 2019

SENIOR STRATEGIC ADVISOR, CAMBODIAN AGRICULTURAL VALUE CHAIN PROGRAM,
AUSTRALIAN DFAT

Cambodia

2007 – 2014

MANAGER OF INTERNATIONAL DEVELOPMENT GROUP, SENIOR GOVERNANCE SPECIALIST,
HATFIELD CONSULTANTS

Canada

2004 – 2007

SENIOR POLICY RESEARCHER, JAPAN SCIENCE AND TECHNOLOGY AGENCY, CREST PROJECT

Yamanashi, Japan

2001 – 2004

DIRECTOR / TECHNICAL SUPPORT DIVISION (TSD), MEKONG RIVER COMMISSION
SECRETARIAT (MRCS)

2002 – 2003

DEPUTY CEO, MEKONG RIVER COMMISSION SECRETARIAT (MRCS)

2000 – 2001

SENIOR PROGRAM OFFICER / LEGAL ADVISOR, OFFICE OF CHIEF EXECUTIVE OFFICER, MRCS

1998 – 2000

DIRECTOR, CABINET OF MINISTER AND SENIOR LEGAL ADVISOR / MINISTER OF FOREIGN
AFFAIRS AND INTERNATIONAL COOPERATION (MFA&IC)

1995 – 1998

DEPUTY DIRECTOR, LEGAL AND CONSULAR DEPARTMENT, MFA&IC

Cambodia

1993 – 1995

MFA, SUPREME NATIONAL COUNCIL'S SCHOLARSHIP FOR MASTER OF LAW PROGRAM

Canada

1991 – 1993

OFFICER OF THE INTERNATIONAL ORGANIZATIONS OFFICE, MINISTRY OF FOREIGN AFFAIRS

Phnom Penh, Cambodia

1985 - 1991

MINISTER'S SCHOLARSHIP, SIX-YEAR MASTER PROGRAM IN MGIMO

Moscow, Soviet Union

1981 – 1985

CADRE OF THE SOVIET UNION AND EASTERN EUROPE DEPARTMENT, MINISTRY OF FOREIGN AFFAIRS

Phnom Penh, Cambodia

1981

TOP ENGLISH SECTION CANDIDATE, MINISTRY OF FOREIGN AFFAIRS 2ND ENTRY EXAM

KEY PROJECT EXPERIENCE

Dr. Pech has been a team leader, program director, lead-trainer, and technical and management advisor in Canada, South East Asia, South Asia, and East Asia.

CLIMATE CHANGE VULNERABILITY ASSESSMENT AND ADAPTATION

SEPTEMBER 2013 – MARCH 2014

TEAM LEADER AND WATER RESOURCES & CLIMATE CHANGE ADAPTATION SPECIALIST,

ADB / CIF CDTA 8179: PILOT PROGRAM FOR CLIMATE RESILIENCE PROJECT PHASE 2

“Mainstreaming Climate Resilience into Development Planning” in Cambodia

Led a team of six international and 12 national consultants to provide technical support to the key government Ministries in:

- Establishing and supporting the functioning of the Strategic Pilot Climate Resilience Coordination Task Force (various climate change investment projects);
- Technical support and capacity for mainstreaming the climate risk into national sectoral development planning; and
- Developing detailed feasibility studies for selected National Adaptation Program of Action (NAPA) projects.

MARCH 2012 – MARCH 2013

TEAM LEADER, WORLD BANK / CIF'S PILOT PROGRAM FOR CLIMATE RESILIENCE PROJECT

Technical Assistance (consulting firm) on Component 4 Science-based Adaptation Planning and Component 5 Outreach Activities

Led a team of five international and three national consultants to implement activities for PPCR Phase 1. The scope of work included:

- Science-based adaptation planning – i) scientific information for climate risk management; ii) value of multi-model downscaled climate scenarios for direct application and policy and plan making; iii) vulnerability and adaptation assessments in the key sectors of priority provinces; and iv) climate resilience decision support tools of relevance to Cambodia.
- Communication: i) series of policy briefs and web-based outreach activities, ii) Strategic Environmental Assessment and Social Assessment (SESA); and iii) Monitoring and Evaluation system (M&E).

2014 – 2015

SENIOR TECHNICAL ADVISOR, GLOBAL WATER PARTNERSHIP'S WATER & CLIMATE PROJECT

Climate resilience and water security in the 4 Ps Basins, Mekong Basin of Cambodia

The project was to provide the decision makers and planners with relevant knowledge and experiences, and collaboratively working out on the recommendations for developing, reviewing, and implementing relevant public policies and investment plan to respond to the extreme natural disasters.

- Designing and conducting field data collection for vulnerability and adaptation assessment in Kratie;
- Conducting series of training for the project team and partner organizations (national and provincial) on climate change vulnerability and adaptation assessment (participatory);
- Development of V&A assessment Report based on the results of field work, desk-top review and consultation workshop, and recommendations for building resilience; and
- Report assessing Cambodia's Water Resources and Climate Change Financing/Development Framework.

NOVEMBER 2012 – NOVEMBER 2015

INTERNATIONAL TECHNICAL ADVISOR, CAMBODIA DEVELOPMENT RESEARCH INSTITUTE

Canadian's IDRC's Climate and Hydrological Change Vulnerability in Tonle Sap Basin

- Leading a group of international and regional specialists to advise and support a national team and related partner ministries, and academic institutions in implementing the project activities including:
 - assessing the contributions and gaps in the existing research and knowledge/ awareness related to the impacts of climate change in Cambodia and Tonle Sap Great Lake Basin;
 - exploring/testing qualitative and quantitative methods used in existing vulnerability assessment and adaptation planning and making recommendations for improving water security and mitigating climate risks in Cambodia;
 - reviewing and supervising the vulnerability assessment in three sub-catchments in the Tonle Sap Basin (Pursat, Kompong Chhnang, and Kompong Thom Provinces) and Cambodia's Mekong Delta;
 - assessing and evaluating the efficiency and effectiveness of existing policies and institutional arrangements for water governance at local and provincial levels and propose solutions to bridge identified gaps;
 - advising Master and Bachelor Students in their data collection, analysis and developing climate change related thesis.
- Being a lead-trainer/lecturer for the community-based climate change vulnerability and adaptation assessment and community planning for respond to climate variability and climate change for the governmental planners, leaders of the local communities, farmer, and water user communities.
- Developing synthesis project results and recommendations for adaptation plan of actions and promote research findings to inform future policy and planning on climate change adaptation in the Tonle Sap Great Lake Region.

NOVEMBER 2014 – DECEMBER 2015

SENIOR CLIMATE CHANGE ADVISOR, EU / UNDP / SIDA / DANIDA

Cambodia Climate Change Alliance (CCCA)'s project for the follow-up study on the Nationwide Knowledge, Attitude, & Practice (KAP) on Climate Change in Cambodia, with the Climate Change Department (CCD), Ministry of Environment, & National Council for Sustainable Development (NCS)

- Led review of the data collection plan, methodology and data management tools.
- Assured quality and consistency of the assessment report and dissemination materials.
- Led communication and address cultural and political consideration.
- Led the knowledge dissemination and workshop.

INSTITUTIONAL, FINANCIAL, AND ORGANIZATION ASSESSMENT AND CAPACITY DEVELOPMENT

NOVEMBER 2016 – FEBRUARY 2017

TEAM LEADER AND MEKONG WATER RESOURCES EXPERT, AUSTRALIAN DEPARTMENT OF FOREIGN AFFAIRS AND TRADE (DFAT)

Design of Mekong-Australia Water Partnership for Greater Mekong Water Resources Program – Pillar 1

- Development of the investment concept note/framework including priority areas matching the Australian expertise and Mekong countries' needs, and sector and cross-cutting issues, governance arrangements, and feasibility and viability of delivery options available (e.g., linkages between performance and funding).
- Monitoring, evaluation, adaptation and learning (MEAL) framework, including outline of main evaluation approaches/techniques, including for identified social and environmental impacts, safeguard plans and gender and disability mainstreaming.

NOVEMBER 2016 – FEBRUARY 2017

TEAM LEADER, AUSTRALIAN DFAT

Evaluative Study of DFAT Greater Mekong Water Resource Program's Approach to Policy Dialogue

- Assessing logic and effectiveness of policy dialogue approaches currently used by the partner organizations including Oxfam, Mekong River Commission, CGIAR's Water Land and Ecology Program.
- Identifying opportunities for innovation and areas of improvement in policy dialogue and good governance.
- Collating information about successful policy dialogue and governance.
- Identifying policy dialogue approaches that could be used including those informed by research and contextual understanding of the dynamics of the region, and the regional political economy and geopolitics.

JUNE – AUGUST 2014

INTERNATIONAL EVALUATION SPECIALIST, OXFAM AUSTRALIA / WWF / DANIDAS

Post Project Evaluation: Food and Nutritional Security Impact of Mekong Dams Research and Capacity Building Initiative

Conducted the evaluation "to determine the effectiveness of the project's capacity building and to provide guidance on effectiveness of the project governance and policy influencing activities".

OCTOBER – DECEMBER 2015 & FEBRUARY – MARCH 2016

TEAM LEADER, OXFAM (DFAT FUNDED)

Independent Analysis of Mekong Delta Study Impact Assessment of the mainstream hydropower dams Report

- Leading a group of hydrological, biological, sectoral and mathematical modelling experts in conducting an independent analysis of the Impact Assessment Report and Impact Mitigation and Enhance Plan of the Mekong Delta Study on the impacts of hydropower development in the Mekong Basin on the Cambodia floodplains, Tonle Sap Great Lake, and Delta areas of Cambodia and Vietnam.
- Sharing and conducting consultation on the analytical findings, and collating feedbacks from key government agencies, Civil Society Organizations, and Community Based Organizations in Cambodia and Vietnam.
- Presenting findings & recommendations to Delta Study Team & Vietnam's relevant Agencies.

JANUARY – FEBRUARY 2010

EXTERNAL CONSULTANT, USAID'S MEKONG REGIONAL WATER PROGRAM

2nd Joint Donor Review of the MRC Basin Development Program (BDP) Phase 2

- Assessed the overall progress of implementation of the BDP2 with regard to the delivery and quality of the outputs, the achievement of the immediate objectives, and the likely outcomes;
- Assessed the level of active engagement and participation in the BDP process by key national agencies and MRC Programmes and other stakeholders;
- Assessed the degree to which the program was seen as relevant, realistic and useful by key line agencies and stakeholders outside the public sector;
- Recommended to MRC on possible adjustments in programme approach, orientation, procedures, and budget and options for a continuation of the basin planning process.

JUNE 2012 – APRIL 2014

SENIOR ADVISOR, MEKONG RIVER COMMISSION

IWRM-based Basin Development Strategy Implementation and Updates

The objective of the consultancy was to support the Basin Development Planning (BDP) team (national and regional) in the implementation of the Basin Action Plan and updating a new Basin Development Strategy building upon the 1995 Mekong Agreement.

JULY 2013 – MARCH 2014

SENIOR WATER & ENVIRONMENT GOVERNANCE ADVISOR, ASIAN DEVELOPMENT BANK

"TA-7610 CAM: Water Resources Management Sector Development Program"

Facilitated high level policy dialogue with the Royal Government of Cambodia, the achievement of the policy and institutional reform conditions which would lead to the release of the second tranche of the policy loan and grants.

FEBRUARY – APRIL 2008

INSTITUTIONAL DEVELOPMENT AND PLANNING SPECIALIST, DEUTSCHE GESELLSCHAFT FÜR TECHNISCHE ZUSAMMENARBEIT (GTZ) / GMBH / MRC

External Project Evaluation of the Watershed Management Project Sustainable Watershed Management in the Lower Mekong Basin

Conducted a post project evaluation and recommending follow-up investment.

APRIL 2012 – MARCH 2014

SENIOR ADVISOR, MEKONG RIVER COMMISSION

Capacity Gaps Assessment and Development of the National Roadmap for MRC core functions decentralization

Assisted MRC and the Cambodia National Mekong Committee in preparing a Regional and National Roadmap for the decentralization of core functions and a transition.

2006 – 2007

INSTITUTIONAL AND ORGANIZATIONAL SPECIALIST, MRCS

Independent Organizational, Financial, and Institutional Review of the Mekong River Commission Secretariat (MCRS) and National Mekong Committees (NMCs)

Provided an in-depth report on the assessment/evaluation of the institutional and organizational viability and IWRM capabilities of the MRC and NMCs to implement its 1995 Mekong Agreement, strategic plans and work programme for the sustainable management of the Mekong River Basin.

NOVEMBER 2008 – JANUARY 2009

INDEPENDENT REVIEW TEAM MEMBER, MRCS / DANIDA

Assessment of Progress in Implementing Reforms after the Independent Organizational, Financial, and Institutional Review of the MRCS and NMCs

- Reviewing status, progress, results of key outputs implemented, approach as well as constraints, challenges and opportunities in implementing the recommendations from the Independent Review;
- Providing recommendations as to how implementation of reforms; and
- Preparing report including an assessment and a recommendations part according to the scope of work.

MARCH 2009 – JUNE 2010

INTERNATIONAL CONSULTANT, MRC

Mekong River Commission's Project on Specifying Common Guidelines for the Roles and Responsibilities of NMCs and NMCSs

Undertook the review the progress of the implementation of the MRC Independent Organizational, Financial, and Institutional Review's recommendations, and developed a proposal on the role and responsibilities of key regional and national agencies MRCS, and oversight bodies in relation to programme implementation.

MAY – NOVEMBER 2010

CO-CHAIR OF AN INDEPENDENT PANEL OF EXPERTS (POE), M-POWER / MRC

Evaluating MRC Basin Development Strategy / Programme Phase 2

- Led a team of seven well known experts for providing an independent expert appraisal of the Basin Development Plan 2 outputs.
- Reviewed main outputs of Basin Development Program 2 including; basin-wide development scenarios, IWRM-based Basin Development Strategy, Project Portfolio, MRC knowledge-base and assessment tools and stakeholder engagement and management as well as the Strategic Environment Assessment of the proposed 12 mainstream hydropower dams to ensure synergy and cooperation with other national and MRC program and planning process.
- Conducted series of consultation to present and validate the findings and recommendations.

JULY 2010 – JUNE 2011

TEAM LEADER, AUSAID / CAMBODIA DEVELOPMENT AND RESEARCH INSTITUTE (CDRI)
Water Resources Research Capacity Development Programme (WRMRCDP)

Led a team of three international advisors whose main responsibility included advising Cambodian researchers and reviewing the progress and developing program changes to program would achieve its expected outcomes and impacts of the Water Resources Research Capacity Development Programme (WRMRCDP) to contribute to the improved use and governance of water resources in Cambodia.

1998 - 1999

LEAD CONSULTANT, UNDP / MRC CAPACITY BUILDING PROGRAMME

Evaluation of the Institutional and Organizational Framework for Effective Mekong Cooperation

1996 - 1997

REGIONAL EXPERT AND CHIEF TRAINER, MRC CAPACITY BUILDING PROGRAM

Institutional and organizational framework for transboundary river basin cooperation

Bangkok, Thailand

STRATEGIC PLANNING AND PROGRAM DEVELOPMENT FOR SUSTAINABLE DEVELOPMENT AND GREEN GROWTH

SEPTEMBER 2015 – DECEMBER 2016

TEAM LEADER / INTERNATIONAL ENVIRONMENTAL POLICY AND PLANNING SPECIALIST,
GMS ENVIRONMENT OPERATION CENTER

TA-7987: Core Environment Program and Biodiversity Conservation Corridors Initiative in the Greater Mekong Sub Region, Phase 2

- Lead & manage National Environmental Strategy & Action Plan (NESAP) formulation process,
- Supervise the national consultants, and work closely with an inter-ministerial taskforce;
- Identify and prioritize environmental issues, including climate change and natural disasters and other key drivers for better environmental protection, management and sustainable use of resources through stakeholder consultations, ensuring alignment with other national and regional environmental/natural resources management initiatives (e.g. UN-REDD Protected Area Management, biodiversity and climate change);
- Develop an approach and a matrix for mainstreaming environmental and natural resources management and wise uses into sector strategies and/or plans;
- Identify regulatory, policy, and institutional responses to address key environmental issues and drivers, and for promoting and synergizing investments across environmental and natural resource and other sectors;
- Identify practical mechanisms for securing investment in priority environmental programs, projects and activities from the private sector, development partners, and civil society; and
- Produce final NESAP for submission to the Government of Cambodia (approved in 2017).

SEPTEMBER – DECEMBER 2014

WATER SECURITY AND CLIMATE RESILIENCE ADVISOR, WATERAID

Scoping of the Water Resources Management and Water Security Program in Cambodia

The overall objective was to identify strategic opportunities to enhance water security (and the sustainability of WASH services) through changes in existing policy and/or practice. Specific tasks included:

- Identify and test the potential new strategic alliances and take first steps in terms of establishing working relationships with relevant organizations;
- Test within WaterAid understanding of the 'state of play' in terms of water security policy and practice in remote rural and urban areas of Cambodia. This includes key water security challenges, policies, institutions (including Farmer and Water User Communities, and Water Supply Groups etc.), regulations, platforms, donors and planning;
- Use the information gleaned from available documentation and discussions with key institutions to clarify Water Aid's comparative advantage and specific contribution in terms of engagement with water resources management and water security issues;
- Produce a SWOT analysis to guide the country programme in prioritizing the most significant water resource challenges in their country and devising strategies to begin to address them.

JANUARY 2011

EXTERNAL ADVISOR, ADB / AUSAID / NDF

Cambodia Water Resources Management Sector Development Program (SWRMSDP): Final Program Design Mission

Assessed and produced the Report on the final design and Inception Mission, CWRMSDP progress and preparedness, and provided suggestions for follow-up actions by AusAID, as well as an Actionable Risk Management Plan and Expanded Design and Monitoring Framework.

JANUARY – FEBRUARY 2010

EXTERNAL CONSULTANT, AUSTRALIAN COMMONWEALTH SCIENTIFIC AND RESEARCH ORGANIZATION (CSIRO)

"Exploring Mekong Futures" program design

- Providing strategic and program management advice/evaluation of the AusAID -CSIRO Research for Development Alliance Program "Exploring Mekong Region Futures".
- Shaping the project implementation plan and refining the project document, to increase the likelihood of project effectiveness, relevance, and sustainability.

PROGRAM MANAGEMENT FOR INCLUSIVE AND SUSTAINABLE DEVELOPMENT

2017 – 2019

INTERNATIONAL SENIOR STRATEGIC ADVISOR, AUSTRALIAN DEPARTMENT OF FOREIGN AFFAIRS AND TRADE (DFAT)

Cambodian Agriculture Value Chain (CAVACII) Program (\$98 million investment program)

- Moving forward DFAT's redirection and increasing importance on CAVAC's engagement with the government of Cambodia and support for policy dialogue and influence;
- Advising the RGC and regional actors in sustainable water, energy, food/agriculture policy and related strategic issues;
- Ensuring close and effective DFAT relationships with the RGC, particularly the Ministries: MEF, MAFF, MOWRAM and MoC for developing a greater integration of Cambodia into ASEAN, in the outlined technical areas;

- Providing political economy analysis (PEA) and knowledge of Cambodia and regional governance architectures (LMC, MRC, ACMECS, ASEAN, Japan Mekong, BRI etc..) to DFAT, RGC and partners;
- Leading the development and implementation of the stakeholder engagement strategy , M&E and Women Economic Empowerment (WEE);
- Assisting DFAT in Cambodia in the regular consideration to opportunities and risks associated with key partnerships in the private sector, and incorporate as a key aspect of the stakeholder engagement strategy.
- Discussing and developing a strategic work action plan annually, as agreed with DFAT in Cambodia and DFAT Region.

JANUARY – DECEMBER 2017

INTERNATIONAL WATER LAW SPECIALIST, MRC

Development of the “Commentary” for the MRC’s Procedure for Notification, Prior Consultation and Agreement (PNPCA) and their Guidelines, under the 1995 Mekong Agreement

- Discussion/commentary on the PNPCA Lessons Learnt from countries’ practices, the review of the Mekong Agreement, PNPCA and related Guidelines, and the provision of a greater legal and contextual clarity of relevant legal provisions and interpretation.
- Documenting the international best (more recent) practice for improving the current PNPCA and its implementation (1997 UN Watercourse Convention, Guide to Implementing the Water Convention, Guidance on the Practical Application of the ESPOO Convention, and the Commentary to the 1994 International Law Commission (ILC) Draft Articles etc.
- Developing commentary based on the collaborative review and updating of the Legal and Technical Guidelines for the PNPCA from recent developments/ ‘best practice’ in international law.

MARCH 2012 – MARCH 2014

TEAM LEADER, CHALLENGE PROGRAM ON WATER AND FOOD

Fostering Evidence-based IWRM in the Stung Pursat catchment (Tonle Sap Great Lake), Cambodia

- Led a team of international and national consultants in exploring the relationships between research and effective water management and governance;
- Facilitated the development of the strategies to translate IWRM concepts into a practical governance;
- Conducted the political economy analysis (PEA) and assessed water and natural resources needs and competition among irrigated agriculture, hydropower, forestry, domestic water supply and sanitation, fisheries etc.
- Led development of a multi-stakeholder platform (MSP) - key mechanism by which the different sectors were brought together to engage with a wide variety of stakeholders, in turn yielding actions that addressed the catchment’s water resources management problems.

JANUARY – DECEMBER 2015

PROJECT DIRECTOR AND LEAD LECTURER / TRAINER, EWATER LTD / AUSTRALIA DFAT

Informed Water Governance in Cambodia and knowledge platform to support watershed planning and decision making in Cambodia

Led and provided technical inputs – i) Management Team and Key Stakeholders Meetings, ii) Core Modelling Team Design Workshops, & iii) Training Workshop for Knowledge Brokers/Facilitators,

and Technical Decision Makers. He also delivered key training sessions on law and policy, environmental governance architectures, science-policy interface and effective communication, and knowledge management for informed water and natural resources governance for some key government officials and Civil Society Organizations in Cambodia and Mekong Region.

MAY 2012 – JUNE 2013

PROGRAM LEADER AND INTERNATIONAL LAW SPECIALIST, WWF / DUNDEE UNIVERSITY
UN Convention on the Law of the Non-Navigational Uses of International Watercourses: Raising Awareness, Training and Supporting National Governments in Cambodia, Laos, Myanmar, Thailand, and Vietnam

- Conducting a series of formal and informal dialogue with partner countries including national workshops in Cambodia and Vietnam, and regional workshop for all six Mekong countries;
- Engaging in discussions on the role and relevance of the UN Water Convention from a development cooperation cost-benefit and legal certainty;
- Supporting Cambodia and Vietnam (most earnest countries) in assessing the cost and benefit of ratifying the UN Water Convention – Vietnam eventually ratified it in 2014 and made it come into force more than two decades after its adoption in 1997;
- Delivering publications and materials – lectures, training and awareness materials on the UN Water Convention and other global and regional treaties and practices, and articles comparing UNWC and 1995 Mekong Agreement, and on cost and benefit of 1997 UNWC...).

2001 – 2004

DIRECTOR, MRC'S TECHNICAL SUPPORT DIVISION (TSD)

Fostering Evidence-based IWRM in the Stung Pursat catchment (Tonle Sap Great Lake), Cambodia

- Development of the MRC-Information System and Decision Support Framework
- MRC Technical Coordination Group responsible for oversighting the establishment of the regional platform for scientific information exchange and integration of analytical tools.
- Chairing the MRC-China Joint Working Group that led to negotiations and implementation of the MRC and China agreement on data and information exchange, and a more proactive and result-oriented technical collaboration.
- Leading the fact-finding mission and intervention to break the deadlock in the negotiation of the Rules on Water Utilization under the 1995 Mekong Agreement.
- Successful fund mobilization for the newly developed Flood Management and Mitigation Program after years 2000 and 2002 abnormal floods - The Dutch government's return as one of key MRC development partners.
- MRC won the first Prize at the International River Symposium.

2000 – 2001

SENIOR PROGRAM OFFICER, WORLD BANK / GEF / MRC'S WATER UTILIZATION PROGRAMME

Led and facilitated the negotiation process and capacity development for the MRC member countries to agree on and implement the Water Utilization Rules, and technical and policy guidelines for water use and allocation under the 1995 Mekong Agreement.

Phnom Penh, Cambodia

SUSTAINABLE DEVELOPMENT ASSESSMENT AND SOCIAL AND ENVIRONMENTAL SAFEGUARDS

OCTOBER 2011 – FEBRUARY 2012

TEAM LEADER, M-POWER / CHALLENGE PROGRAM ON WATER AND FOOD (CPWF)

Hydropower Sustainability Assessment Protocol (HSAP) – Awareness Raising & Training Workshops – Lao PDR

- Designed and conducted a comprehensive training on the sustainable hydropower assessment and planning tools such as the HSAP and other basic good practices to improve the way in which hydropower is developed, constructed and managed in the Mekong Region.
- Provided on-the-job training on the application of HSAP tools was provided to officials involved in the water-energy nexus including representatives from the Lao Ministry of Energy and Mines (MEM), Lao State Holding Enterprise, Electricite du Lao (EDL), National University of Laos and Ministry of Natural Resources and Environment (MoNRE), along with representatives of the hydropower developers.
- Conducted a field visit to the Theun Hinboun Hydropower site.

JUNE – OCTOBER 2012

PROJECT MANAGER, WORLD WIDE FUND FOR NATURE CHINA / M-POWER / CPWF

Exchange Visit to Laos and Cambodia on sustainable hydropower / energy development

Contributed and led series of roundtable and field visits among Chinese energy developers and planners and Lower Mekong stakeholders (water, food and energy planners) to Laos in late 2011, and a second visit to Cambodia by a delegation from Yunnan Huaneng Lancang River Hydropower and Chinese Energy planners from Beijing.

NOVEMBER – DECEMBER 2010

SENIOR MANAGEMENT ADVISOR, M-POWER / CPWF

Rapid Sustainability Assessment of Mekong Electricity Planning – Using Section 1 of the 2009 Hydropower Sustainability Assessment Protocol (HSAP) Vietnam Case Study

Facilitated the Vietnamese multi-disciplinary team in reconciling their assessment results, provided guidelines to the development of the electricity sustainability assessment report, and helped finalization of the Report.

JANUARY – FEBRUARY 2010

EXTERNAL ADVISOR, AUSTRALIAN AID / MEKONG DEVELOPMENT CHALLENGE PROGRAM

Mekong Water and Hydropower Program

- Contribution to the Mekong Climate Change Concept Note and Dialogue on the Hydropower Sustainability Assessment at the World Bank Social Development Network Forum “Managing Climate Change Impacts and Development in a Complex Political, Social and Environmental Setting: The Case of the Mekong River Basin”.
- Conducting a series of multi-stakeholder’s dialogue on the Hydropower Sustainability Assessment Protocol (HSAP) for the government agencies and civil societies organization in the Lower Mekong Basin.

JANUARY – JUNE 2010

TEAM LEADER, AUSAID / M-POWER

Project on Rapid Sustainability Assessment of Mekong Water and Electricity planning: using 2009 draft Hydropower Sustainability Assessment Protocol (HSAP) – Cambodia case study

- Led a multi-disciplinary group of independent assessors specializing in long-term electricity generation planning, options assessment, institutional analysis, and in financial, environmental and climate, social and political aspects of hydropower development.
- Provided training and awareness raising to relevant government's officials (Mine, Energy, Planning, Water, Environment etc.) and civil society organizations in applying the Social Impact Assessment (SIA), Social Impact and Vulnerability Assessment (SIMVA), Cumulative Impact Assessment (CIA), Strategic Environmental Assessment (SEA) tools or frameworks.
- Conducted multi-stakeholder forum in Cambodia and Mekong Region for assessing and validating results of sustainability assessment of Cambodia's water and electricity planning.
- Developed assessment reports for publication and dissemination.

WATER, FOOD, AND ENERGY SECURITY NEXUS

APRIL 2013 – DECEMBER 2014

PROJECT MANAGER AND COORDINATOR, AUSTRALIAN AID PROGRAM / DFAT

“Cambodia-Australia-China Irrigation Dialogue Project”

Project convened two of Cambodia's main development partners: Australia and China - that also played significant role in development of Cambodia's irrigation system. Specific tasks included:

- Led the project to facilitate dialogue and knowledge sharing on irrigation and water/natural resources management involving key government decision-makers and planners, and leading irrigation and agriculture leaders from Australia, Cambodia and China.
- Reviewed country-specific irrigation policies, regulations & institutional arrangements, planning, implementation, and management of irrigation programs in Cambodia, China and Australia
- Advised on world's best practice on irrigation and land management to inform choices about the right intervention in Cambodia.
- Provided leadership in the country mission.
- Provided technical inputs and consultation to Australian Aid Program and the Management Committee.
- Conducted initial risk assessment to identify critical risks (including fiduciary risks), developed Missions' Aide Memoires, Summary of Findings and the Investment Concept Note for DFAT.

JANUARY 2010 – MARCH 2011

INTERNATIONAL WATER SECTOR SPECIALIST, AUSAID / CSIRO

“Exploring Mekong Region Futures – Food, Energy, and Water Nexus” Programme

Pech was retained as a regional project team member to assist the project team and participating countries – Cambodia, Lao PDR, Thailand, Viet-Nam and China in investigating the future trajectories in the energy, food and water nexus in the Mekong Region. He performed:

- An analysis of the energy, food, and water nexus in the Mekong Region in the context of important drivers such as increasing regionalism, cross-border investment flows, climate change, rapid land use change and urbanization.
- Synthesizing relevant findings into a report focusing primarily on the water sector, qualitative and quantitative assessment for identifying and elaborating the impacts of the six significant contemporary decisions.

- Facilitating the workshops where key regional and national decision makers were involved in exploring Mekong Region Futures – the water use, food security, and energy nexus.

OCTOBER 2010 – 2013

POLICY INTERFACE AND EVIDENCE BASED POLICY ADVISOR, AUSAID / CSIRO / AALTO UNIVERSITY

“Exploring Tonle Sap Futures” Project

Dr Pech was engaged by the ‘Exploring Tonle Sap Futures’ Project - a component of the regional AusAID/CSIRO-led Exploring Mekong Region Futures’ Program. Specific duties and tasks included:

- Developing partnerships & improving collaboration with targeted decision-makers & agencies
- Contributing to the vigor, relevance, and quality of modelling of possible impacts of regional and local changes to the Tonle Sap flood pulse: Tonle Sap land use change, and agricultural and irrigation development.
- Contributing to cross sectoral analysis of current social and economic setting and trends in Tonle Sap area, projecting Tonle Sap’s baseline socio-economic setting and estimated trends setting and developing three alternatives ‘livelihood futures’ for Tonle Sap for the year 2030.
- Facilitating discussions with decision-makers and coached national counterpart staff in scenario development and assessment, and option generation.

JANUARY – FEBRUARY 2013

EXTERNAL ADVISOR AND CO-AUTHOR, FISHERIES ADMINISTRATION / DANIDA / OXFAM / WWF

Food and nutrition security vulnerability to mainstream hydropower dam development in Cambodia Project

Dr. Pech was commissioned by IFRDI to develop a policy brief and policy relevant communication on the food and nutrition security vulnerability due to the mainstream hydropower dam development.

APRIL – MAY 2013

EXTERNAL ADVISOR AND CO-AUTHOR, WORLD FISH CENTER

Report on the Aquatic agricultural systems in Cambodia: national situation analysis

Dr. Pech was commissioned by WorldFish Phnom Penh to assist in the development of Aquatic and Agriculture National Analysis Report specifically focusing on key findings about Drivers of changes and Challenges, gaps and options in national policies, and relevant recommendations.

2004 – 2007

POLICY SCENARIO RESEARCHER, JAPAN SCIENCE AND TECHNOLOGY AGENCY

CREST “Sustainable Water Policy Scenarios for the River Basin with Rapid Population Growth in Asia” Project

- Conducting research on demographic changes, and population growth and environment change with emphasis on natural resources, as well as other influencing factors.
- Leading PhD and Master Students in Mekong Inter-disciplinary Research to evaluate how the development of the above sectors would have positive and negative impacts on water, land and other related natural resources in the key Asia’s river basins, and alternative options for minimizing the cumulative environmental and social impacts.
- Developing a communication and feedback mechanisms among science, policy and management, and chairing two international Mekong Forums.

- Developing numerous scientific research papers and manuscripts on Mekong issues for the international scientific conferences and published in scientific journals.

Kofu, Japan

TRANSBOUNDARY FLOOD ISSUE SPECIALIST, FLOOD MANAGEMENT AND MITIGATION PROGRAMME (FMMP) / REGIONAL CENTRE FOR FLOOD MANAGEMENT AND MITIGATION / MRC

Pech facilitated the bilateral and regional negotiation meetings on transboundary flood issues and proposed mitigation measures and provided inputs in the assessment and development of the mandate paper on the water related conflict management mechanism.

FEBRUARY – MAY 2007

LEAD AUTHOR, IUCN ENVIRONMENTAL LAW PROGRAM. IUCN ENVIRONMENTAL LAW CENTRE

Book: “SHARE Lessons in the management of trans-boundary water resources”

Chapter Six – Implementing Trans-boundary Management of Water Resources. The book project was to present examples where surface waters are shared across political boundaries and address the need for States to cooperate on governance and management of shared water resources.

MAY – JUNE 2007

LEAD AUTHOR, STOCKHOLM ENVIRONMENT INSTITUTE (SEI)

Sustainable Mekong Programme

Chapter on the Impacts of Sedimentation on the Tonle Sap Great Lake. He was responsible for conducting a combination of applied research, network development, outreach and dissemination, and capacity building that contribute to catalyzing the transition to sustainability in the Tonle Sap Great Lake and the Mekong region through concrete actions.

Bangkok, Thailand

APRIL – JULY 2005

EXTERNAL REVIEWER AND ASSESSMENT EXPERT, IUCN – ASIA AND THE PACIFIC REGIONAL OFFICE BANGKOK

Scoping Study of the Existing Frameworks Relating to the World Commission on Dams Strategic Framework in Mekong Sub Region

Pech provided an objective assessment and facilitated substantial improvements to the scoping reports for Cambodia, China, Laos, and Thailand.

PROFESSIONAL AFFILIATIONS

MEMBER OF COMMISSION ON ENVIRONMENTAL LAW, IUCN

MEMBER OF THE SUPREME NATIONAL ECONOMIC COUNCIL (SNEC), CAMBODIA

MEMBER OF INTERNATIONAL WATER RESOURCES ASSOCIATION (MEMBER OF IW EDITORIAL BOARD)

SELECTED PUBLICATIONS

PEER REVIEWED SCIENTIFIC JOURNALS AND BOOKS

Un B, Pech S and Baran E. 2015. **Aquatic agricultural systems in Cambodia: National situation analysis**. Penang, Malaysia: CGIAR Research Program on Aquatic Agricultural Systems. Program Report: AAS-2015-13. <http://aas.cgiar.org/publications/aquatic-agricultural-systems-cambodia-national-situation-analysis>

Sam Sreymom and Pech Sokhem, eds. 2015. **Climate Change and Water Governance in Cambodia: Challenge and Perspectives for Water Security and Climate Change in Selected Catchments, Cambodia**. Phnom Penh: CDRI, <http://www.cdri.org.kh/webdata/download/sr/ccwg-e.pdf>

Keskinen M, Matti K, Aura S, Paradis S, Hannu L, Hans M, Philip W, & Sokhem P (2013). **Tonle Sap now and in the future?** Final Report of the Exploring Tonle Sap Futures study, Aalto University and 100Gen Ltd. in partnership with Tonle Sap Authority and Supreme National Economic Council at <http://www.wdrg.fi/wp-content/uploads/2013/08/Exploring-Tonle-Sap-Futures-Final-Report-30august2013.pdf>.

Sokhem P, 2013. **Water Sector Analysis**, in Alexander Smajgl and John Ward (eds), *The Water-Food-Energy Nexus in the Mekong Region – Assessing Strategies Considering Cross-Sectoral and Transboundary Impacts*, Springer New York Heidelberg Dordrecht London, pp. 19-60 ISBN: 978-1-4614-6119-7 - http://link.springer.com/chapter/10.1007/978-1-4614-6120-3_1.

Pech S, 2012. **The Future of Food, Energy and Water in the Mekong region: An expert panel approach – Water Sector Analysis**, National Flagships “Climate Adaptation”, Commonwealth Scientific and Industrial Research Organisation (CSIRO), South Victoria, Australia.

Ward, J., T. Foran, A. Smajgl, L. Bouapao, S. Pech, and X. Lu. 2012. **Mekong Energy Metabolism: Connecting Energy Demand into the Nexus of Food-Water-Energy Security** in H. Moinuddin, editor. *International Conference on GMS 2020: Balancing Economic Growth and Environmental Sustainability*, 20 - 21 February 2012, Bangkok.

Sokhem P, 2011. **Examining Legitimacy and Legality in the Context of Multi-lateral, Multi-river Basin Treaty Frameworks - UN Watercourses Convention and Greater Mekong Sub-region**, (in press) IHP-HELP Centre for Water Law, Policy and Science (CWLPS), University of Dundee.

Sokhem P (2010). **“Cambodia and Mekong Water Resources Governance”**, in Sato J. (ed.) *“Transboundary Resources and Environment in Mainland Southeast Asia”*, Institute of Oriental Culture, University of Tokyo, pp. 151 – 170.

Sokhem P, 2008. Peer-reviewed book chapter: **Chapter 6 Implementing Trans-boundary Management of Water Resources**, in: Claudia S, et al (Edit) *Share - Management Water*

across Boundaries, IUCN Environmental Law Programme, IUCN Environmental Law Centre, pp. 85 -93.

Sokhem P, Sunada K and Oishi S, 2007, **Managing Transboundary Rivers: The Case of the Mekong River Basin**, International Water Resources Association Water International, Volume 32, Number 4, Pg. 503-523, December 2007.

Sokhem P, Sunada K, Oishi S, Miyazawa N and Tanaka, 2008. **Study on Trends of Fish Resources in the Tonle Sap Basin – Their Correlation with Hydrological Conditions of the Mekong River**, Intl. J. River Basin Management Vol. 6, No. 3 (2008), pp. 277–282.

Sokhem P and Sunada K, 2008. **Population Growth and Natural Resources Pressures in Mekong River Basin**. Ambio – A Journal of the Human Environment, Vol. XXXVII, No. 3 (May), Royal Swedish Academy of Sciences, pp. 219 - 224.

Sokhem P and Sunada K, 2008, Peer-reviewed Book Chapter: **Is Sharing and Caring Mekong Region Possible? - Institutional Capacity Assessment for Sustainable Policy Scenarios**. In: The Modern Mekong Myth Book, Finnish Academy of Sciences, Helsinki University of Technology (TKK), pp. 135 - 148.

Sokhem P and Sunada K, 2006. **The Governance of the Tonle Sap Lake, Cambodia: Integration of Local, National and International Levels**, Int'l Journal of Water Resources Development, Vol. 22 No. 3, pp. 299 -416.

SCIENTIFIC AND CONSULTANCY REPORTS

Lebel L, Sreymom S, Pech S, Channimol (2015) **Improving water governance to enable resilient local social- ecological systems**. USER Working Paper WP-2015-04. Unit for Social and Environmental Research, Chiang Mai University, Chiang Mai.

Sokhem P, et al, 2010a. **Consultation on Hydropower Sustainability Assessment Protocol in Cambodia**, prepared for M-POWER Improving Mekong Hydro Investment project, Unit for Social and Environmental Research (USER), Chiang Mai University, Thailand.

Sokhem P, et al, 2010b. Final report - **Rapid Sustainability Assessment of Mekong Electricity Planning: Using Section 1 of the 2009 Hydropower Sustainability Assessment Protocol (HSAP) Cambodia Case Study**, prepared for the Mekong Program on Water, Environment, and Resilience (M-POWER) and the Challenge Program on Water and Food (CPWF), available at <http://www.mpower.net.org/mweb.php?pg=60>

Sokhem P, 2009. **Risk Management Training Module**, in The Persistent Organic Pollutants (POPs) Toolkit, World Bank Regional Capacity Building Program for Health Risk Management of Persistent Organic Pollutants (POPs) in South East Asia in <http://www.popstoolkit.com/riskmanagement/module.aspx>

Sokhem P, et al, 2010c, **Review of the Mekong River Commission’s Basin Development Plan Programme Phase 2**, Panel of Experts Report prepared for the Mekong River Commission Secretariat, Vientiane, Lao PDR.

Sokhem P, 2009b. **Final Report on Analysis of the NMCs, NMCSs and Line Agencies functions, mandate and performance in relation to the MRC’s work**, prepared for Mekong River Commission, Vientiane, Lao PDR.

Naoki Miyazawa, Kengo Sunada, Sokhem Pech, Satoru Oishi & Dian Sisingghi (2005). **“Analysis of Hydraulic and Morphological Characteristic Quantities of the Lower Mekong River”**, J. Japan Soc. Hydrol & Water Resources, Vol. 18 No. 5 (2005) pp. 584-501.

Sokhem P & Sunada K (2006). **“China Natural Resources Demand: Opportunities and Challenges for the Greater Mekong Sub-region”**, Accepted for oral presentation at Regional workshop on the Impact of Asian Drivers on the Developing World “China in Mainland Southeast Asia: Flying with the Dragon? Chiang Mai University, 19 October 2006.

Sokhem P & Sunada K (2006). **“Key Fisheries Issues in the Mekong Region – institution, livelihood, resources economics, and knowledge gaps”**, Mekong Regional Waters Dialogue with IUCN, World Bank, ADB, MRC and other bilateral donors, Vientiane, 6–7 July 2006.

Sokhem P (2006). **Lecture “Roles of International Water Law and Organizations in equitable and reasonable development of the ‘shared river basins ‘in Asia”**, International Water Law Session, United Nations Regional Fellowship Programme in International Law for Countries from Asia, UNITAR & Thai Foreign Ministry, Bangkok, on 5 November 2005.

Sokhem P, Sunada K, Satoru Oishi, and Naoki Miyazawa (2005). **“Sustainable Water Resources – Population Growth and Impacts on Water Resources in the Mekong River Basin”**, Presented at Session D15 – Risk Assessment and Minimization (I), XXXI IAHR Congress, Seoul, 13 October 2005.

Sokhem P (2004). **“Regional Characteristics and Water Issues: From Mekong River Basin Perspectives”**, Proceedings of 2nd APHW Conference, Vol. 2, pp.922–932, July 2004.

Sokhem P (2004). **“Caring for Cambodia’ Tonle Sap□Caring, Sharing and Daring Mekong Region”**, High Level Roundtable: Using Water, Caring for Environment: Challenges for the Mekong Region (six Mekong countries’ ministers and vice ministers of environment and natural resources, and leaders of key regional institutions and donor community) Bangkok, 19 November 2004.

Sokhem P, Sunada K, Satoru Oishi, Naoki Miyazawa, Sok Saing Im (2004). **“Population Growth: Urban Development and Flood Vulnerability in the Mekong Floodplain – The Phnom Penh Case”**, Proc. of International Conference on “Advances in Integrated Mekong River Management, pp. 290–297, October 2004.

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Sokhem P (2003). Author of Research Paper **“Cambodia’s experiences and perspective in cooperation for development and management of the Mekong river basin’s water and related resources”**, UNESCAP, Bangkok, 2003.

Sokhem P (2003). Contributor, **Mekong Case Study** carried out within the framework of cooperation between UNESCAP and UNESCO, to provide lessons learnt from and possible best practices of international river basins to turn potential conflicts into potential cooperation (PC-CP) UNESCO-UNESCAP Cooperation in the World Water Assessment Programme, 2003.

Sokhem P (2002). Paper **“Mekong River Commission – Transboundary Basin Organization: Meeting Needs. Keeping the Balance”** presented at UNESCO/IHE International Conference **“From Conflict to cooperation in international water resources management: challenges and opportunities”**, Delft, Holland.

Sokhem P (2002). **“MRC Program Profiles and possible linkage to the Initiatives for ASEAN Integration (IAI)”**, IAI Development Cooperation Forum, Jakarta, Indonesia.

Sokhem P (2001). Editor of **“Assessment of National Legal and Institutional Frameworks of MRC Member Countries”**, Mekong River Commission (July 2001).

Sokhem P et al, (1999). Report **“Institutional Framework for Effective Mekong Cooperation”**, Phnom Penh.

Sokhem P, (1996). Report **“Proposed Principles and Main Characteristics of the Future Water Legislation for Cambodia”** submitted to Cambodian TCG and UN DDSMS.

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Sokhem P (1995). Master Thesis **“Sustainable Development: Its Application in the 1995 Mekong Agreement”**, Calgary University’s Graduate Faculty, Canada.

Sokhem P (1991). Field of concentration **“International Instruments for Human Rights and Issues in Cambodia”** and **“Law of the Sea and its Implication for Cambodia”** International Law Faculty, Moscow State Institute of International Relations.