

Overview of Skills

- Strategic and decision analyst with fifteen years of experience specializing in multi-stakeholder resource management decisions and integrated assessment.
- Policy, legal, and institutional analyst.
- Facilitator, focusing on resolution of conflicts and negotiation, with over fifteen years experience at various governance levels with communities, local governments, First Nations, international level, and with diverse stakeholder groups.
- Local economic development and participatory planning specialist
- PhD thesis: governance models for shared resource.
- Extensive knowledge in the marine resources, water resources, genetic resources, fisheries and environmental management.
- Honed communications and research skills, including, writing, presentations, and designing workshops and forums.
- Computer knowledge in data base management and analytic tools.

Education

- **Doctor of Philosophy in *Resource Management*** (2010), University of British Columbia
- **Masters of Science in *Environmental and Natural Resource Policy*** (1990-1992), International Institute for Hydraulic and Environmental Engineering, Delft, The Netherlands.
- **Bachelor of Applied Science in *Geophysics*** (1983-1988), University of Waterloo, Ontario.

Languages

English, French, Spanish, Portuguese (working knowledge)

Summary of Professional Experience

Technical Advisor for International Waters, Transboundary Water initiative, University of British Columbia, 2008-present.

Associate, Compass Resource Management Ltd., 2007-present

Associate, EcoPlan International Decision, 2004-2007

Water Specialist and Project Coordination, Médecins Sans Frontières 2001-2003

Policy Analyst and dispute resolution, Apodaca Associates, 1999-2003

Research Fellow, Faculty of Law, UBC, 1993-1995

Selected Recent Consulting Assignments

Assessment of Institutional Arrangements for implementing IWLEARN 3 (2011)

Client: GEF/UNEP/UNDP – IWLEARN

Lead Consultant: Developed key recommendations for institutional partners for IW LEARN3's "regional partners for learning". Work involved analysis of different institutions in Africa, the Americas, and Asia; interviews with UNDP/UNEP and GEF practitioners; interviews with institutions; and multi-attribute analysis.

UNEP Development and Implementation of Mechanisms to Disseminate Lessons Learned and Best Practices in Integrated Transboundary Water Resources Management in Latin America (Delta America) – Final Evaluation (2010)

Client and Partner Organization: UNEP/GEF

Lead consultant: Conducted the final evaluation for the DELTA America project (UNEP/GEF Project GF/1020-03-01). The evaluation included a review of all project documentation, financial planning and accounting, monitoring and evaluation mechanisms, analysis of framework logic, and correspondence. The evaluation also included interviews with both project proponents and stakeholders in Washington, Argentina, Brazil and Uruguay. (<http://iwlearn.net/iw-projects/1426>)

UNEP Managing Hydrological Risks in the Iullemeden Aquifer System – Final Evaluation (2009)

Client: UNEP/GEF

Lead Consultant: Conducted the final evaluation for the IAS project (UNEP/GEF/1030-03-06). The evaluation included a review of all project documentation, financial planning and accounting, monitoring and evaluation mechanisms, analysis of framework logic, and correspondence. The evaluation also included interviews with both project proponents and stakeholders in Niger, Mali and Nigeria (<http://iwlearn.net/iw-projects/2041>)

Good Practices and Portfolio Learning in GEF Transboundary Freshwater and Marine Legal and Institutional Frameworks (2008-present)

Client and Partner Organization: UNDP/GEF

Lead technical consultant: Provide technical analysis for assessing legal and institutional arrangements in large marine ecosystems (LME), groundwater, and surface freshwater management. The project develops and maintains networks of South South colleagues and practitioners to dialogue regarding key lessons learned, as well as training tools for institutional capacity building. Activities include research and analysis on beneficial practices to promote cooperation in shared transboundary waters and legal frameworks for implementing cooperation; analysis of institutional arrangements and functionality; facilitating dialogue and conferences on transboundary waters; interviewing and consulting with practitioners; developing learning tools for negotiation and simulation models; project design and budgeting.

Developing Objectives for the Lower Peace River – Decision Analysis (2009)

Client and Partner Organization: Ministry of Environment

Lead consultant: Developed a hierarchy of management priorities for the MOE in the Lower Peace River with respect to Site C dam development and combined the Provincial Conservation Framework with local concerns.

Collaborative Stewardship – Fish and Wildlife, (2008)

Client and Partner Organization: Ktunaxa First Nation Land Resource Agency

Lead consultant: Responsible for developing a program to promote collaborative stewardship of fish and wildlife between the Ktunaxa and the Province of BC, and the Government of Canada. Literature, interviews and facilitated workshops and meetings were undertaken in conducting the project.

Aquifer Management – Torreon, Mexico, (2008)

Client and Partner Organization: UN Habitat and SEDASOL

Lead consultant: Responsible for developing and delivering a stakeholder process for highlighting action areas in the management of a near surface aquifer accessed by the municipalities of Torreon, Gomez Palacio, Laredo, and Matamoros, with a combined population of 1million people.

British Columbia – Alberta Transboundary Waters (2007-2008)

Client and Partner Organization: BC Ministry of Environment

Consultant: Assisting the facilitation of a dialogue group at the provincial level with respect to managing transboundary waters between British Columbia and Alberta. All aspects of transboundary surface and ground-waters are being evaluated and discussed with respect to cooperation in management of water quality, quantity, and ecological integrity. Key elements involve research and analysis of technical problems and their administrative solutions.

Water Service Strategies for Medium sized Cities – Egypt - (2007)

Client and Partner Organization: UN Development Programme

Lead consultant: Primary consultant assisting local Egyptian teams to analyse and determine strategies for water services and local economic development in medium sized cities in Egypt. As water is a key element to development success in Egypt, the project involved training local teams in the field to conduct a participatory process for determining strategies for water provision in relations to local economic development. Over four years, the project is to develop development programs for 40 medium sized cities.

Nile Basin Information Exchange Agreement – Regional - (2007)

Client and Partner Organization: World Bank

Project Consultant: Responsible for resource analysis component in developing a ‘road map’ for initiating an information exchange agreement among the ten riparian countries of the Nile Basin. Work involved policy analysis as well technical hydrological data to develop a needs assessment and protocol for information exchange. The project is landmark, in that it is the first time in over 15 years of effort that the countries have agreed to move forward on a legal agreement.

Central Asian Water and Energy Commission – Regional - (2007)

Client and Partner Organization: World Bank

Project Consultant: Responsible for reviewing regional water and energy conditions and developing a strategy for conflict avoidance through institutional arrangements, namely the establishment of a Central Asian Water and Energy Commission.

Strategic Planning for Resource and Economic Development – Veracruz, Mexico – (2006-2007)

Client and Partner Organization: UN Habitat / Estado de Veracruz

Lead consultant, designer and facilitator for participative processes for municipal strategies for planning in Xalapa, Pozo Rico, Veracruz, Cordoba-Orizaba, and Coatzacoalcos in Veracruz State, Mexico. Key responsibilities were designing high-level stakeholder engagement processes incorporating decision analysis techniques for prioritisation of actions with respect to water supply and sanitation, municipal waste, and demand-management energy issues.

Nile Basin Negotiation and Decision-Making – Burundi – (2006)

Client and Partner Organization: UN Food and Agriculture Organisation.

Consultant in designing and delivering training workshops for forty negotiators and diplomats in the Nile Basin regarding decision-making for cooperative use of water resources. Key elements of the project were developing simulation tools to ‘replicate’ primary interests of

basin states and conduct exercises to employ structured decision making techniques and analytical tools.

City Strategic Economic Development Planning (Strategy Planning and Local Economic and Resource Development,). 2004 to 2008

Lead Consultant: Developed and implemented public participation strategies and training for developing programs stimulating local socio-economic development. Programs involved strategic planning, participatory approaches, decision-making and action prioritization, institutional and governance analysis. Programs were primarily focused on poverty alleviation actions incorporating environmental, social and economic determinants. Strategic policies included water resource, waste policies, energy assessment, green space conservation, municipal services, economic incentive creation, public-private partnerships, developing economic enabling environments, governance and institutional reform, amongst others. Municipalities included:

- **Matamoros, Mexico** - UN-HABITAT Regional Office for Latin America and the Caribbean (Brazil) and SEDSOL.
- **San Jose, Costa Rica** – Municipality of San Jose and UN-HABITAT Regional Office for Latin America and the Caribbean (Brazil)
- **Dar es Salam, Tanzania**, Municipality of Dar es Salam and Sustainable Cities Initiative, Industry Canada
- **Valparaiso and Vina del Mar, Chile** - SERCOTEC and Sustainable Cities Initiative, Industry Canada
- **Iloilo, Philippines**, - . Municipality of Iloilo and the Canadian Urban Institute

Multi-City Strategic Planning Conference for LED (LED, Strategy Planning, Decision Making) Quito, Ecuador 2005

Client and Partner Organization: UN-HABITAT, GTZ

Lead Consultant: Working with UN-HABITAT to deliver a three-day training event to on strategic planning for LED, including decision analysis and stakeholder engagement. Over 30 municipal officials from 7 different countries participated in the event in conjunction with a larger regional conference on LED and Latin America.

Publications

- Hearn, G., M. Klein, W. Trousdale, C. Ulrich, D. Butcher, C. Meiwald, R. Lindstrom, S. Eftekhary, J. Rosinski, O. Ramirez and A. Procyk (2009) Development of a support tool for complex decision making in the provision of rural maternity care, *Healthcare Policy*, 5(3) 2010: [82-96](#).
- Hearn, G (2007) Mahakali Treaty: Looking through a new lens at water resource development, in F. Rotberg and A. Swain (eds) *Natural Resources Security in South Asia: Nepal's Water*, Institute for Security and Development Policy, University of Uppsala, Sweden (October, 2007)
- Paisley R, and G Hearn (2006) Lessons Learned and Best Practices from Recent Experiences with the Governance of International Drainage Basins, *Texas Tech Law Journal*, (in press)
- Hearn, G (2003) 'Monsters of the Forest: Fighting Ebola in the Congo', *Médecins Sans Frontières Dispatches*, Spring.
- Hearn, G. (1999) 'Genetic Resources: Law and Morality' in Proceedings of SOS AMAZONAS Symposium, FUNDES; Tomas Cipriano de Mosquera, Bogota November 16-20, 1999.
- Hearn, G. (2000) 'Intangible Fences: Intellectual Property Rights over Genetic Resources for Food and Agriculture', in C. Schofield et al. (ed) *Permeable Borders and Boundaries in a Globalising World: New Opportunities or Old Problems?* International Environmental Law and Policy Series, Graham & Trotman/Martinus Nijhoff.

- Hearn, G. (1998) 'Collective Action for the Protection of the Marine Environment: Experiences from the Baltic and Mediterranean Seas' in *Maritime Co-operation in the Asia Pacific*, AUS-CSCAP.
- Hearn, G. (1997) 'Transboundary Protected Area Coordination: Experiences in Central America and Opportunities in the South China Sea.' in G. Blake *et al.* (ed.) *International Boundaries & Environmental Security: Frameworks for Regional Co-operation*, International Environmental Law and Policy Series, Graham & Trotman/Martinus Nijhoff.
- Hearn, G. and Stormont, W. (1996). Managing Potential Conflicts in the South China Sea, *Marine Policy*, Vol. 20. No. 2. pp. 177-181.
- Hearn, G. and Tyedmers, P. (1995). Poseidon's Trident: Biological Diversity Preservation, Resource Conservation and Conflict Avoidance in the South China Sea, in G. Blake *et al.* (ed.) *The Peaceful Management of Transboundary Resources*, International Environmental Law and Policy Series, Graham & Trotman/Martinus Nijhoff.
- Amezcaga, J. and Hearn, G. (1991). *Chemical Time Bombs in the Mediterranean*. Mondial Alternative, Periodic Publications Series. Amsterdam. Autumn 1991.