iaia'01 IMPACT ASSESSMENT IN THE URBAN CONTEXT

21st Annual Conference Event of the

International Association for Impact Assessment

26 May–2 June 2001 Cartagena, Colombia

IAIA'01 Host The Colombian Ministry of Environment

The Environmental Professional's Forum

Bringing together

- Environmental Decision-makers
- Industry and Community Leaders
 - Professional Practitioners

Plus...

- Training Courses
- Special Meetings and Workshops
 - Technical Visits
 - and more!

ABSTRACT DEADLINE EXTENDED TO 15 MARCH 2001!!



ABSTRACT SUBMISSION INSTRUCTIONS

. for paper, poster, and workshop presenters

DEADLINE: 15 MARCH 2001 / LENGTH: 300 WORDS / LANGUAGE: ENGLISH

PROVIDE THIS INFORMATION

- 1. Title of submission
- 2. Specify format: paper, poster, or workshop
- 3. Name of primary/contact author
- 4. Complete name(s) of author(s) and complete contact information for each author (organization, street address, city, state/province, postal code, country, phone, fax, and e-mail; URL if applicable)
- 5. Abstract—300 words maximum. Excess will be deleted.
- 6. Key words
- 7. Indicate to which IAIA Section or Topical Stream you would like to submit your paper (see sessions listed on pages 5-15).
- 8. Any *brief* additional information you think may be useful to the Program Committee

Submission by e-mail is preferred. Do not send attachments; place your abstract in the body of the e-mail message. You may submit more than one abstract; however, send only one abstract per e-mail. In the subject line, write: primary author's last name-01 abstract (example: McDonald-01 abstract). Send to the IAIA International Headquarters (HQ) in care of Jennifer Howell (jen@iaia.org). If e-mail submission is not possible, fax to the HQ at +1.701.297.7917.

ACCEPTANCE

Please allow 2-3 weeks for confirmation of receipt and acceptance of your abstract by the HQ and/or Program Committee.

REGISTRATION

Submission of your abstract signifies your intent to register and participate. Following acceptance of your abstract, inclusion in the final program and abstracts volume is contingent upon receipt of registration form and fees in the HQ by 1 April 2001.

No registrations will be honored without payment unless arrangements are made in advance with the HQ. Please note that funds are not available to pay registration and travel expenses for program participants.

PUBLICATION

A published abstracts volume will be distributed in Cartagena to all conference registrants. Participants are encouraged to submit their complete papers for publication in *Impact Assessment and Project Appraisal*.

Paper Presenters: Information and Guidelines

A typical paper session allows approximately 5-10 minutes for your presentation and 5-10 minutes question time. However, your session chair will determine and inform you as to the actual time limit for your particular session, depending on the session format and number of papers to be presented

If you wish to distribute your paper(s), please take copies with you to the meeting. Photocopying and printing facilities at meeting venues and hotels tend to be expensive and may be inconvenient for you. Projectors for overhead transparencies and 35mm slides will be supplied. Presenters are responsible for arranging and paying for any additional equipment needed for their presentations.

Poster Presenters and Booth Exhibitors: Information and Guidelines

In a poster session, there is no formal oral presentation of papers. Instead, each author is assigned a display area on which diagrams, graphs, data, pictures, and a small amount of text may be presented. The poster must be self-explanatory, but the presenter should be available at certain times, such as scheduled poster sessions or refreshment breaks, to answer questions and to interact with viewers.

Poster presenters are assigned a display panel that is a flat upright surface 2.30m high x 1m wide. You are expected to bring any materials needed (removable tape, sticky gum) to put your poster in place. See the IAIA Website under Meetings, or contact the HQ for suggestions on poster preparation.

If you wish to put up a special display or booth of a larger size than the posters and/or would like to put up publicity materials, please send in your request to the HQ at least 3 months before the conference (1 March). There will be costs involved according to the space and type of display to be put up.

Your poster or exhibit booth will be on display from 9:00am Tuesday, 29 May through 12:00pm on Friday, 1 June. Setup/takedown times and location will be detailed in the final program.

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Welcome and Invitation to Attend

In agreement with Colombia's law on land-use development, the subject of environmental impact assessment becomes a powerful tool when coupled with the land-use plans developed by municipalities and other stakeholders.

In some cases, the EIA law allows the process to be expedited, and in this sense, one of the objectives of the IAIA Annual Conference is to exchange experiences and ideas for the definition of criteria that will guide the environmental impact assessment in the urban context in the near future.

The trend, especially in Latin American countries, is that 80% of the population will be concentrated in urban centers and the situation will aggravate the social and environmental tensions, in addition to the problem created by political conflicts. The displaced population becomes an issue when it migrates into areas that are not prepared to cope with the additional demands for natural resources, goods and services.

The National Environmental Policy, named as The Environmental Collective Plan, considers the subject of EIA with an emphasis on urban centers, which is crucial for the implementation of environmental development, as well as for strategies focused on the management of conflicts arising from the growth of urban centers.

We hope this vision will be shared by all participants and that contacts and links are established among all of you that will enable the best exchange of ideas and solutions.

Cartagena, a World Heritage Site, is the most appropriate place for this venue. Colombia welcomes you and we will do everything possible to contribute to the success of this key international meeting.

JUAN MAYR MALDONADO

Minister of the Environment of Colombia

Greetings to All Prospective Delegates!

You are cordially invited to attend IAIA'01. With a tremendous sense of positive anticipation, I urge you to read and plan your participation in the full range of excellent opportunities awaiting you at Cartagena.

This program is bursting with timely, practical and widely applicable content. IAIA'01 will provide a unique forum for all of us to focus on sustainability in the context of urban living — surely a crucial, immediate and long-term priority.

The potential value to all delegates is enormous. IAIA presents best practice in environmental assessment management and policy, through training courses, workshops, concurrent sessions and technical visits.

Please register as soon as possible and I'll see you there.

MARY LOU MORRIS

IAIA President and Board Chair

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PROPOSED CONFERENCE OVERVIEW AND ACTIVITIES

Subject to change; check final program for confirmation of activities, times, and places.

FRIDAY 25 MAY		SATURDAY 26 MAY		SUNDAY 27 MAY		
9:00am-11:00am	IAIA Orientation	8:00am-10:00am	Registration for training course participants	8:00am-5:00pm	Registration for traini Multilateral workshop participants	ng courses, WHO and s, and technical visit
2:00pm-5:00pm	IAIA Council Meeting	9:00am-5:00pm Pre-meeting courses	9:00am-5:00pm SIA Guidelines & Principles Project	9:00am-5:00pm Training Courses	9:00am-5:30pm Multilateral Financial Organizations Workshop (at Hotel Caribe)	10:00am-3:30pm WHO Special Session on Health IA

IAIA'01 Officially Opens Tuesday, 29 May 2001

Plan to register early! The **opening plenary** starts at 9:00 sharp on May 29, with a welcome from **Mary Lou Morris, President of IAIA**, and an opening address by **Juan Mayr Maldonado, Minister of Environment, Colombia**.

IAIA'01 Program Format

Thought-provoking plenary sessions will begin each day of the conference. Leaders from industry, government, academia, community and consultancy have been invited to give state-of-the-art presentations. There will be, for example, a keynote speaker to focus on the renowned Healthy Cities Program of the World Health Organisation and its implications for environmental sustainability.

At this exciting -- and in many ways daunting -- start of our new millennium, the plenary format is intended to provide timely regional and global perspectives on the major issues and challenges of sustainable urban living. The momentum established through the ideas and experiences related during the plenary program will immediately connect with the more specific topics of concurrent sessions and workshops. The majority of each day will be fully occupied with the wide selection of concurrent sessions.

Grand Finale

Friday, June 1st, brings the IAIA Annual Conference Event for '01 to a productive and fun-filled conclusion. The early plenary will provide highlights from concurrent sessions and workshops—a wonderful way to reinforce the major threads of discussion in which you have participated *plus* discover those equally important outcomes from parallel sessions you may have missed. This "wrap-up" plenary program offers an excellent opportunity to maximise the value you derive from your conference experience. As a special component of this closing plenary, there will be a commentary panel offering insight from

their individual urban vantage points as mayors of several large North and South American cities. This session should be highly interactive and a suitable finale for all delegates. However, this concluding day is even more tempting because of the afternoon conference banquet and IAIA awards program.

Awards and Gala Farewell Luncheon

Presentation of IAIA's Annual Awards, together with a gala farewell luncheon, will immediately follow the final plenary on Friday. This year, along with the prestigious Rose-Hulman Award for lifetime service in the field of impact assessment, the IAIA Awards Committee presents its inaugural premier award: *The IAIA Global Environmental Award*. The recipient of this award will be invited to honor the delegates with an inspirational message -- as a farewell to Cartagena and challenge for all of us in this new millennium.

Although the recipient of the First IAIA Global Environmental Award is not yet announced, the award will be presented to a leading individual who has made a substantial contribution to environmental assessment, management, or policy; environmental awareness; or environmental governance at a global scale; or who has otherwise made a major contribution to promoting environmental sustainability or environmental justice. The person will surely be a widely acknowledged and outstanding champion of the primary values and principles treasured by IAIA members and evident throughout the work of this organisation.

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MONDAY 28 MAY		TUESDAY, WEDNESDAY, THURSDAY 29-31 MAY		FRIDAY 1 JUNE	
6:45am-5:00pm	Registration for all delegates	8:00am-5:00pm	Registration for all delegates	9:00am-11:00am	Closing Plenary
7:00am-5:00pm	Technical visits	9:00am-10:30am	Plenary	11:15am-12:45pm	Awards & Gala Farewell
9:00am-5:00pm	EIA Capacity Building Workshop for Indigenous Peoples	10:30am-11:00am	Coffee Break		Luncheon
Afternoon	Poster, Booth, and Exhibit setup	11:00am-12:30pm Plenary, AGM or Concurrent Sessions (final program to specify)		SATURDAY 2 JUNE	
		12:30pm-1:30pm	Lunch	On request	Post -conference tours begin
		1:30pm-3:00pm	Concurrent Sessions and Workshops		
		3:00pm-3:30pm	Coffee Break		
		3:30 pm-5:00pm	Concurrent Sessions and Workshops		
		5:30pm-7:00pm	Committee, Section, or other meetings (final program to specify)		
		Evening	Getting to Know Cartagena Local sightseeing & dining No formal program		

Overall Themes and Key Objectives

The main theme of IAIA'01 is **Keys to Building Urban**, **Regional and Global Sustainability**.

The annual conference will focus on the many roles of environmental assessment in realizing sustainability in urban, regional and global contexts. IAIA'01 will explore relevant techniques, scientific and ethical principles of impact assessment together with the social, economic and political agendas that provide the context for sustainable development. Impact assessment needs redefinition and strengthening as we search for the way ahead through globalization and technological changes at the beginning of a new era. **This conference offers a timely and singular chance to make a difference!**

Conference Topics Include ...

- Development Practices In Poverty Alleviation
- Health Impact Assessment
- Impacts of Genetically Modified Organisms
- Environment: Conserving Resources for the Future
- Cityscape-Escape: Social Assessment in the 21st Century
- New Directions in Assessing Infrastructure Policy and Development
- Strengthening Industrial Environmental Management to Achieve Sustainable Development
- Practical Legislative Support in Environmental Assessment
- Indigenous Peoples and Impacts from Natural Resources Development
- Assessing Sustainable Energy Futures



CONCURRENT SESSIONS AND WORKSHOPS

The following sessions and workshops have been proposed. Participants are invited to submit paper abstracts for these sessions, or for other subjects relating to the main theme of the conference so that additional sessions and workshops can be developed.

Strategic environmental assessment



1. Strategic Environmental Assessment in the Urban Context

Several countries in the world are discussing or working on the implementation of SEA. Many of these have built up considerable practical experience. Some international financial institutions are also promoting SEA. Papers are invited that present vision on steps to apply SEA in the Urban Context, drawing on what they have learned from practical case studies. The aim of the workshop is to set a common agenda for what can be done in order to use SEA as an effective tool for planning and decision making in the urban context.

CO-CHAIRS: JUAN DAVID QUINTERO / MARKUS EGGENBERGER



2. Strategic Environmental Assessment: Actual Case Studies, Links with Project EIA (Tiering), Proposed SEA Directive of the European Union

SEA is moving forward: a lot of countries, namely the U.S., Canada, Australia, New Zealand and several states within the European Union, have gained considerable experience in SEA applications using different frameworks and applying SEA at different levels (e.g. local-regional-national/land-use and sectoral planning/mandatory-voluntary/appraisal-assessment).

To discuss SEA development, a variety of SEA case studies will be presented in this workshop—independent of, but complementary to, "Strategic Environmental Assessment in the Urban Context" in Session 1. Of special interest is analysis of how SEA has influenced lower decision-making tiers, especially at the project level. Discussion of the EU SEA Directive, which is due to be published early in 2001 and to come into force three years later, may also be of interest

CO-CHAIRS: RALF ASCHEMANN / THOMAS B. FISCHER

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3. EA for Urban Sustainability

EIA, SIA and SEA continue to be applied largely as tools for impact minimization and mitigation. Ideally, however, these procedures should aim to guide urban development opportunities in ways that are consistent with internationally agreed principles of sustainability. These principles have been defined and elaborated in different ways, but they typically require environmental, social and equity considerations to be addressed at the same time and on par with traditional economic parameters. This session of IAIA'01 aims to assess the effectiveness of EIA, SIA and SEA as mechanisms for guiding urban development in ways that contribute to sustainability. Papers are solicited on the following topics:

- the application of sustainability frameworks (concepts and principles) in EIA, SIA and SEA within an urban context
- measures to account for linkages between land-use, transportation and air pollution emissions, including emissions that contribute to global climate change
- sustainability criteria and indicators used in the context EIA, SIA and SEA to evaluate alternatives
- development and application of indicators to gauge the sustainability of urban areas
- case studies demonstrating the strengths and weaknesses of EIA, SIA and SEA as processes for guiding urban infrastructure, commercial and residential projects and other aspects of urban development

CO-CHAIRS: LEONARD ORTOLANO/MARINA ALBERTI

IAIA ORIENTATION MEETING

Orientation meeting for all new or prospective IAIA Board and Council members, for anyone interested in participating in IAIA as a Committee member, Section member, or liaison, and for any member who wants to know more about the organization, its history, and how it works.

Former Board member Frank Vanclay will facilitate.

FRIDAY, 25 MAY 9:00AM—11:00AM

4. SEA in Urban and Regional Planning

Introduction. Recent trends in integrated development planning, spatial planning and economic planning aim to harmonize their goals with building urban, regional and global sustainability. SEA is receiving wide acceptance as an instrument to integrate these and other traditional planning techniques incorporating environmental assessment directly into decision-making processes.

Objective. Contribute to the interchange of experiences at the international level and the application of SEA to planning, in particular to:

- a. identify common trends, breakthroughs, and shortcomings in application
- b. discuss common ground and identify challenges across international experiences.
- c. contribute to fine-tuning planning instruments for environmental assessment

Expected focus of papers and outcomes.

- application SEA and other planning tools
- institutional frameworks new legislation
- good practice case studies
- key issues raised by SEA
- breakthroughs in SEA methodology

Presentations will preferably be examples of application with focus on key issues addressed through SEA. Expected outcomes include written papers and a lively interchange of experiences in a posters/workshop forum.

Structure. Combination of poster session and workshop (following success of this format at IAIA'00 in Hong Kong). In this workshop it is important to distinguish between:

- paper a written contribution addressing the topic of the session, and electronically distributed in advance to all other session contributors (yet authors are encouraged to bring extra hard copies for distribution on site)
- presentation a brief oral presentation (5 minutes) of the poster ahead of open discussion

All workshop participants will be asked to prepare a written paper and make it available electronically, in advance of the workshop, to all other workshop contributors. Contributors will be also be invited to prepare a poster according to the IAIA "Say it in a Poster" Guidelines (www.iaia.org/annual meeting/poster/presentations.htm) and make brief oral presentations (5 minutes) to their poster, **without** overhead projection. The workshop will conclude with an open forum discussion.

CO-CHAIRS: MARIA ROSÁRIO PARTIDÁRIO/ PATRICIA ACOSTA



Integrated approaches





5. Integrated Appraisal: Tools, Techniques and Approaches

Traditionally-used tools and techniques for appraisal originally evolved largely independently of each other. There are a number of reasons why greater integration of tools and techniques is now being sought, but perhaps the most significant factor is sustainable development. Integrated appraisal is taken here to be a more comprehensive term including the identification and screening of options; identification, prediction and assessment of environmental, economic, social and technical implications; and trade-off analysis of options.

There are many conceptual challenges surrounding integrated appraisal, not least being how to trade off between options. It is intended to show the links between SEA as we know it and "Integrated Appraisal" as an extension of SEA -when applied at the level of plans, programs and policies.

This session seeks papers that include either conceptual approaches to, or practical applications of, integrated appraisal at any level of decision-making. These are likely to include one or more of the following:

- challenges of joining EIA to other tools to meet different objectives
- adaptation of existing tools for particular applications
- practical constraints including time-scale and budget
- experiences of trade-off analysis, including sustainability appraisal
- opportunities in deliberative processes and stakeholder involvement.
- SEA applied to plans, programs and policies
- the difference of Integrated Appraisal when applied in decision making of projects, plans, programs and policies

CHAIR: ROB VERHEEM

6. Integrating Social Impact Assessment to Environmental Assessment

Due to the high level of anthropogenic intervention in the cities, most of the impacts of urban projects are socio-economic. It is therefore important to strengthen the methodologies used to carry out appropriate socio-economic impact assessment within environmental assessment. This session will view:

- Theoretical and methodological development: we will analyze the integration of physical, biological and socio-economic components into EIA.
- 2. Case studies: to show good practices in bringing SIA into EIA
- 3. Institutional strengthening: we will discuss and refine the (draft) International Guidelines and Principles for SIA.

Thus the content of the SIA sessions will focus on:

- 1. The proposed Guidelines.
- 2. Issues that participants wish to raise in workshop, sessions, and plenaries.
- Key leading-edge areas, such as the practicality of integrating SIA and EIA
 more effectively for both policy or project assessment, the use of SIA in
 evaluations, and the application of SIA in different cultural settings
 around the globe.

CO-CHAIRS: ELENA CORREA / JAMES BAINES

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7. Integration of Environmental, Social and Economic Issues in Spatial Planning

This workshop provides an opportunity to being together the study collaborators on this IAIA project.

Background. At IAIA'99 in Glasgow, workshop organizers Eggenberger and Partidario proposed an international research study to develop a framework for the integration of environmental, social and economic issues in spatial planning, to be developed as an IAIA project.

At IAIA'00 in Hong-Kong, a workshop was organized; discussions reaffirmed the importance and the relevance of the topic and helped to consolidate the methodological approach to this international study. Several potential casestudy contributors were identified following the workshop and invited to a meeting to organize and discuss forms of collaboration.

Following edorsement by IAIA, an International Advisory Panel was established and case studies in t parts of the world were to be developed in the first few months of 2001.

Objectives. This is a key moment in the study's timeframe as a preferred annual opportunity to bring together a large representation of the study's collaborators, whether developing case studies or acting as members of the International Advisory Panel, for:

- a. Presenting a first draft for a framework on integration as an introductory paper to the workshop
- b. Presenting a selection of case-studies developed in the context of the study, as papers or posters
- Comparing findings of the case studies and conducting an initial assessment of the framework
- d. Discussing global and regional preconditions which impact on integration

Proposed structure. Case-study leaders are currently developing their case-studies and have been asked to submit their abstracts to IAIA'01 no later than February, 28. About 8 papers are getting lined up for presentation, including the introductory paper by the Project leaders and case-studies from various countries, namely Austria, Brazil, Colombia, Denmark, Germany, Honduras, Slovak Republic, South Africa.

The proposed structure includes sessions for case-studies presentation and workshop discussion.

In principle this workshop will not allow any additional paper that has not been scheduled to the workshop. However, if a proposed contribution is likely to represent an additional case-study to the research project, workshop organizers are more than willing to consider it for inclusion.

CO-CHAIRS: MARIA ROSÁRIO PARTIDÁRIO / MARKUS EGGENBERGER

EIA outreach

8. Public Participation & Impact Assessment

During the last decade, it has become increasingly clear that outside specialists cannot prepare valid and reliable impact assessments without informing and involving the people of the area affected. An effective participatory process is key to project success; it guarantees efficient implementation and long-term sustainability. A participatory process needs to be conducted in ways that help achieve project goals and objectives. Knowledge on methods to promote participation and strategies to involve people are nowadays a prerequisite for project managers, directors and professional staff. The purpose and content of this session:

- identify and share experiences and case examples of successful participative impact assessments in different countries and industries and how this process has evolved
- identify factors that help and hinder effective participative impact assessment
- Review strategies, methodologies and guidelines for public participation and impact assessment
- develop a concluding vision statement and a road map to advance participative impact assessment accommodating cultural characteristics

CO-CHAIRS: DIEGO SHOOBRIDGE / DES CONNOR

OPPORTUNITY TO PARTICIPATE IN AN IAIA PROJECT

Spend the day brainstorming and contributing to the International SIA Guidelines and Principles project!

Contact Dr. Frank Vanclay directly (fvanclay@csu.edu.au) to express interest and receive meeting coordinates and information about the project.

SATURDAY, 26 MAY 9:00AM—5:00AM







9. Impact of Resource Development and Urbanization on Indigenous People

Each year, thousands of land-use actions have an adverse effect on tribal peoples and resources. Urban growth, forestry, mining, agriculture, oil and gas exploration and hydropower development represent just some of the threats to tribal peoples' lands and resources. Such activities can seriously impair the cultural foundation, political integrity, economic security, health and safety of indigenous peoples' lands, resources and communities. Is the practice of environmental impact assessment effective in addressing these major issues?

This Indigenous People Session will bring together indigenous peoples, practitioners, academics, industry, government and non-governmental organizations and representatives to discuss and debate ongoing key issues and opportunities related to indigenous peoples and impact assessment. Four main themes will be covered during the session:

- Development of Natural Resources and Impacts on Indigenous Peoples
- Indigenous Peoples and the Protection of Biodiversity (joint session with the Biodiversity Section)
- The Latin American Indigenous Perspective: Experiences with Environmental Impact Assessment and Development Projects
- Toward the Development of an IAIA Handbook on Impact Assessment and Indigenous Peoples Issues: Purpose, Scope and Content.

The sessions will be organized in a workshop format, including a combination of formal papers, panel discussion, and informal roundtable discussion and other culturally-appropriate means . Contributions should focus on tools, techniques, methodologies and experiences that are instructive in gaining a better understanding of what good models exist, and what is till needed to improve EIA where indigenous peoples are affected. A major goal during the Indigenous People session at IAIA'01 is to begin the development of a framework for guidelines for the full involvement of Indigenous Peoples in the environmental impact assessment process.

CO-CHAIRS: TERRY WILLIAMS / MAURICE MANAWAROA GRAY

10. Education in Impact Assessment

The purpose of the session is to examine how professional practitioners in Environmental Impact Assessment are educated about the principles, processes, and practices of their field. Some of this training is done formal settings, in universities and colleges. Other practitioners pick up their training in the course of their work.

The papers in this session are invited to provide a forum to demonstrate the different educational practices for Environmental Impact Assessment. Papers are invited on the philosophical approaches for this field, and the various methods by which education is undertaken.

CHAIR: JUDITH PATTERSON

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11. Knowledge Sharing in Impact Assessment

An impact assessment brings together people with various levels of expertise and (institutional) backgrounds. A successful IA requires that all parties involved have at least a basic understanding of the rules and regulations that dictate an activity (screening) on the one hand and the actual potential (bio)physical and socio-economic impacts on the other; This is valid not only for IA practitioners, but also for project proponents, governmental organizations such as the competent authority and other institutions, NGO's and stakeholders in general. Sharing knowledge in an IA process is essential. Increased accessibility of knowledge will make proponents more aware of environmental consequences, will enable authorities to improve their decisions and IA practitioners and the public in general will profit from shared experiences.

The workshop will focus on knowledge sharing concepts and programs in general and DR EIA in particular in the framework of the institutional and organisational setting of IA and EIA processes. Participants will be able to get hands on experience with the software available and communicate experiences and ideas with the producers.

CHAIR: FRANK ROBIJIN

Business & industry

12. Corporate Environmental Responsibility into the Year 2001

This session will focus on environmental issues that are of importance to corporations and governments, including corporate environment reporting, environmental management systems, due diligence, social and ethical responsibility, and corporate governance. It is hoped that this session will allow comparison of corporate environmental approaches across the world and stimulate debate about the minimum environmental requirements that should be expected of corporations, particularly when functioning in a multinational context.

CHAIR: NELSON BUSTAMANTE

13. Environmental Assessments and Management Plans as Corporate Management Tools

Objectives:

- to provide an opportunity for private companies to exchange experiences regarding environmental Management Plans of large infra-structure projects
- b) to discuss the usefulness of EIAs in the preparation of project-specific Environmental Management Plans
- to discuss environmental and social costs in the context of the Environmental Management Plans of large infrastructure projects

CHAIR: ELIZABETH BRITO

14. Water Utilities and Transboundary Environmental Effects

EIA professionals are responsible, at least in part, for bringing attention to effects across sovereign boundaries. These issues get more complex as trade, commerce, and national security compacts are developed.

CHAIR: NICOLE CARTER

15. Environmental Assessments and the Impacts of Policies, Plans and Strategies of the Energy Sector

The session will focus on the social and environmental impacts of policies, plans and/or strategies related to the activities and operations of the energy sector and its different subsectors. In particular, emphasis will be placed on technological dynamics and its effects on the environment given specific national and/or regional strategic planning and regulatory frameworks. The session will therefore draw on issues such as energy infrastructure policy and development, the costs and benefits of regulation, regulatory reform and its environmental and social consequences, as well as on technology innovation

CO-CHAIRS: GABRIELA ELIZONDO / WALTER VERGARA

16. Impact Assessments for World Trade and Trade Agreements

Given both the positive and negative impacts of world trade, there is a need to ensure that IAs of bilateral and multilateral trade agreements consider all relevant elements of natural capital, physical capital and human capital and their interactions in a transparent and effective manner. Publics, nongovernment organizations, and governments of many countries have become aware and concerned about the complex ities of world trade and trade agreements, and the need to integrate sustainable development considerations into individual countries' trade negotiations, and enable countries to retain their rights to sustain their environments and the welfare of their citizens. Such issues have become increasingly topical as countries gain experience with existing trade agreements and/or become involved in negotiations for proposed Trade Agreements. Three general topic areas will be covered, hopefully leading to at least one final product: 1) An Examination of Trade and Trade Agreements and What Issues Have They Triggered? 2) Adapting IA for application to Trade and Trade Agreements, 3) Emerging Issues, and 4) Discussion Session with the ultimate objective of preparing an IAIA Statement on IAs of Trade and Trade Agreements for the World Summit, April 2002. The UNEP Manual on "Integrated Assessment for Trade Related Policies" has been completed and can be made available for IAIA'01.

CO-CHAIRS: SHIRLEY CONOVER, BERNICE GOLDSMITH, JAYE SHUTTLEWORTH



Biodiversity & IA: tools for sustainability





17. Biodiversity in Impact Assessment

Much work has been done in recent years to bring biodiversity into impact assessment procedures and practices. Papers are invited on any aspect of biodiversity in impact assessment, These presentations will feed into the discussion and deliberations of Session 20f.

CHAIRS: AAREND KOLHOFF / NICK KING

18. Business and BD

Businesses can have positive or negative impacts on biodiversity. This session will focus on ways in which business can promote biodiversity, by integrating conservation and sustainable use objectives into their operations. For businesses such as conservation farming, eco-tourism and sustainable forestry to ensure a positive impact on the environment, tools for assessing and strengthening their linkages with conservation are required, such as biodiversity management plans and biodiversity "due diligence" procedures. The question is, do impact assessment tools provide the kind of information and processes these businesses need to evaluate their operations and ensure their positive contribution to biodiversity.

CHAIR: ANDREA BAGRI ATHANAS

19. Impact of Invasive Aliens and GMOs

Invasive Alien Species and Genetically Modified Organisms have been identified as a major threat to biodiversity and native species and habitats throughout the world. This session will explore the impact assessment techniques (including risk assessment) available to manage them and to evaluate the likely effect of releases including social, economic and ecological implications. Submissions are also welcome on the recently agreed Biosafety Protocol.

CHAIR: NICK KING / RICHARD MORGAN

20. Ecology and Biodiversity

The ecology section and biodiversity workshop streams were merged at IAIA'00 in Hong Kong. Though it is clear ecology and biodiversity are intertwined, the merger of the discipline of ecology and the measure and agenda of biodiversity relates to the discipline of ecological impact assessment. This discussion session will attempt to arrive at a definitive statement concerning the relationship between the two.

CHAIR: DAVE LE MAITRE

21. The Convention on Biological Diversity and Traditional Knowledge

Many of the world's richest ecosystems are also homes or traditional territories of indigenous and local communities. The traditional knowledge developed by these communities constitutes an important source of understanding of management compatible with biodiversity conservation and sustainable use. This session will explore how such traditional knowledge – from field innovations to intellectual property rights – can be integrated into impact assessment, and will also discuss the ramifications of Article 8j of the Convention, regarding indigenous peoples.

CO-CHAIRS: TERRY WILLIAMS / JO TREWEEK

22. Incorporating Biodiversity/Ecology into EIAs Guidance

IAIA has held a series of workshops over the past three years which have explored how biodiversity can be incorporated into impact assessments. Based on presentations and discussion from these sessions, draft guidance will be prepared and tabled at this working session. This working session will discuss and produce IAIA guidance which will be submitted to the 7th meeting of the Standing Body on Technical and Technological Advice (SBSTTA7) of the Convention of Biological Diversity.

CO-CHAIRS: JO TREWEEK / ANDREA BAGRI ATHANAS



Environmental assessment

23. Environmental Assessment and Management in the Inter-American Development Bank: Recent Experiences and Future Perspectives

periences and Future Perspectives
This session/workshop is intended to present recent advances and best practices in some aspects of environmental assessment and management of Bank-financed projects towards enhancing the overall quality of design and implementation. Besides assisting countries in LAC to improve their management capabilities in the environmental arena, the Bank is constantly reviewing and improving its own practices and procedures, with the approach of always "raising the bar" in terms of project quality. The session will provide examples of recent experiences in areas such as consultation and participation of civil society, mainstreaming strategic/regional EA, best practices in environmental supervision and evaluation, and suggestions to address the challenges ahead. Topics to be explored in a session or workshop:

- Public participation and consultation in developments of complex projects: recent experiences and best practices (Darien; Bolivia-Brazil gas-pipeline and Santa-Cruz-Porto Suarez road program).
- Environmental supervision of projects in execution: role of the IDV as financial institution. Two main aspects to highlight:
 - a. Supporting executing agencies (borrowers) and Bank field officers in implementation of EMPlans.
 - b. How independent supervision and monitoring improve environmental performance in project execution.
- Integration of SEA into project design and execution of multi-faceted programs: recent experiences and framework for mainstreaming:
- 4. Results of the Environmental Impact Assessment Systems review in Latin American and Caribbean countries.

CO-CHAIRS: WALTER ARENSBERG / VIRGINIA ALZINA

24. EIA as a Mechanism for Conflict Resolution and Environmental Mediation

This workshop will focus on the following items:

- Introduction to the incorporation of environmental impacts in peace talks.
- Development of EIA and Public Participation systems in societies with high levels of violence (Bosnia, Timor, Sri Lanka, Guatemala, Colombia, El Salvador).
- Examples of pilot EIAs for projects in conflict areas

CHAIR: LORENA MUÑOZ

25. EIA Follow Up: Outcomes and Improvements

This workshop is intended to fulfill a number of objectives:

- share outcomes of EIA follow-up case studies
- identify good practices in EIA follow-up
- advance and improve EIA follow-up practice
- provide follow-up of the discussion at IAIA'00
- promote the network of EIA practitioners involved in followup.

The workshop will bring together practitioners of EIA to share their experiences and knowledge regarding EIA follow-up, focusing on the outcomes of follow-up programs and how this experience has contributed to the improvement of follow-up in EIA. The workshop format will include a presentation session of ten to fifteen papers based on recent real case studies that illustrate the results of follow-up activities in the context of EIA, and a plenary session led by session organizers. The plenary session will focus on the presentation topics as well as a discussion paper written and presented by the session organizers. The workshop will produce a collaborative CD-ROM containing the proceedings of the workshop and a collaborative article from the results of the workshop for publication in a journal (e.g., IAIA's Impact Assessment and Project Appraisal). The session organizers are investigating the possibility of publishing the papers presented at the workshop in an international textbook on EIA follow-up.

CO-CHAIRS: PAULA CALDWELL / JOS ARTS

26. Environmental Site Assessment and Remediation in Latin America: Status and Future Trends

The session will focus on the environmental impact of three major activities: Mining, Oil Industry, and Pesticides usage in agriculture. Regulatory, technological, and environmental aspects will be discussed in order to address the status and future trends of site assessment and remediation actions in the region. Pros and cons due to the adoption of regulatory and technological methodologies from developed countries are presented, in an attempt to emphasize the need of developing regional guidelines for site assessment and remediation that incorporate variables from the local environment.

CO-CHAIRS: JUAN C. MATA-SANDOVAL/ CARLOS SANCHEZ-PACHON



Other topics





27. Impacts of Genetically Modified Organisms

The genetic modification of organisms, particularly for agricultural and industrial purposes, has become very contentious in many countries, and at the supranational level. On the one hand, the technology seems to provide solutions to the problems of increasing the productivty of marginal agriculture in developing countries. On the other hand, it seems to open the doors to genetic experimentation that could have catstrophic consequences for life on Earth. The debates are many and varied, with a wide range of interested parties, supporting or opposing the technology and its application.

Impact assessment has an important role to play, helping to inform the actors in these debates, but trying to assess the impacts of genetic modification presents many problems and challenges that need to be recognised and considered. The purpose of this theme is to consider issues such as:

- international and national approaches to impact assessment in relation to GMOs (strategic, as well as project level)
- effective public involvement in GMO application processes
- the specific problems of predicting ecological, health, social, and cultural impacts of GMOs and/or GM/GE technology
- the nature, acceptability and management of such impacts
- links between IA and risk assessment in relation to GMOs

Contributions on these or associated issues will be very welcome.

An important overall aim for the session is to promote the use of appropriate processes for considering the impacts of GMOs in an open, equitable and rational manner.

CHAIR: RICHARD MORGAN

28. Risk Analysis and Impact Assessment

If the impact has acceptable risk, why control it or regulate it? This is a question often posed by decision-makers. Risk based impact assessment is a useful decision making tool in risk management, by putting in perspective the degree of risk before proposing appropriate mitigation and control measures. This session will provide a forum for exploring and exchanging risk based impact assessment techniques, using case studies. Some relevant topics:

- risk based contamination assessment
- ecological risk assessment
- human health risk assessment
- quantitative risk assessment of hazardous installations
- hazardous operations

The session is expected to promote the use of risk based approach in impact assessments, to exchange views on various risk assessment methodologies, and to discuss the role and development of risk based impact assessment in the next millennium.

CHAIR: JORGE CARBALLO

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29. Healthy Communities a Key to Sustainable Development (SD)

The growth of a global industrial, technological and informational society has had profound effects on human health and on the environment. For the first time in recorded history, human activities are causing ecological disruption at a global scale. Over the last 30 years, environmental impact assessment (EIA) has evolved internationally into a comprehensive and systematic process designed to identify, analyze and evaluate the environmental effects of a development project in a public and participatory manner.

In 1987, the World Commission on Environment and Development first popularized the phrase "sustainable development" as the process of integrating the three "pillars of sustainability" (economy, social/cultural factors and the environment) into decisions about the health and living standards of communities. Consideration of all three is needed if we are to create a truly sustainable society.

This evolution in thinking is leading to a new way of conceptualizing EIA. Even though environmental considerations still dominate the EIA decision-making processes, health, social/cultural and economic concerns are no longer regarded as externalities. Integrating and balancing the three pillars of SD in decision-making is the key challenge EIA practitioners face today. We need continued development to improve our health and living standards. However, this development must be sustainable, not only over the short term but also the long term, to ensure that communities can meet their needs for health and well being, and that future generations can meet their needs.

The HIA section welcomes papers that refer to the inclusion of health in prospective assessment of policies, programs and projects or through strategic assessment, using a socioenvironmental definition of health. Papers are expected from those concerned primarily with environmental or social matters and who wish to explore the interface. This section should be of interest to health practitioners in environmental health, public health, health promotion, healthy public policy, and health inequalities.

Papers relating to HIA in the context of healthy cities are especially relevant to the theme of the conference. They may refer to work completed or provide updates on unresolved issues such as methodological concerns, government policies, legislation, community involvement, health inequalities impact assessment, or the role of risk assessment. Papers can be about developing or developed economy concerns, globalization, multi-nationals, world commission on dams, mining and indigenous peoples, or any other topical matter.

CO-CHAIRS: MARTIN BIRLEY / ROY KWIATKOWSKI

30. Cumulative Effects Assessment

Cumulative effects assessment (CEA) refers to the identification, quantification and determination of the significance of cumulative effects, and the development of pertinent mitigation and management approaches for them. In this regard, cumulative effects refer to the potential effects of a proposed action in view of past, present, and reasonably foreseeable future actions with defined spatial and temporal boundaries. Further, CEA should be accomplished within the EIA process for the proposed action. During the last half of the 1990s CEA became an increasingly important topic within the practice of EIA, and there is much to be learned from recent professional experience. Accordingly, this session will focus on:

- comparisons of legislative and regulatory requirements for CEA
- experiences on defining spatial and temporal boundaries and future actions
- documentation of CEA within impact study documents
- the importance of carrying capacity as a basis for significant determinations
- institutional management approaches for mitigating undesirable cumulative effects

CHAIR: LARRY CANTER

31. Roles of NGOs in Impact Assessment in the Urban Context

Purpose: to identify the ideal niche for NGOs in the impact assessment process in the urban context. To map out the constructive roles of NGOs in impact assessments expected in the urban context, the session will:

- review the changing roles of NGOs in impact assessment through a number of case studies from both developed and developing countries
- identify areas of weaknesses and strengths of NGO involvement in impact assessment
- formulate a vision of the possible roles of NGOs in impact assessment
- develop recommendations to realize the mission of the NGOs in impact assessment

CHAIR: FABIO ARJONA

TRAINING COURSES

About Training Courses. IAIA pre-conference training courses are presented by IAIA members primarily for IAIA members. The courses are open to all participants but require advance registration and payment.

Registration, Deadlines, and Fees. The cost for a 1-day course is \$200; 2-day courses are \$400. This fee covers course materials, coffee breaks, and lunches. Participants in the training courses must register for the IAIA conference or be assessed an additional \$50 fee.

Minimum/maximum class sizes are 10-30 participants. If the course for which you have registered does not meet the minimum class size, you will be notified by the International Headquarters (HQ) and you will have the options of choosing a different course or having your registration fee refunded.

If you must cancel, registration fees will be refunded minus a \$50 administration fee and contingent upon written notice of cancellation received in the HQ by 1 April. After that time, no refunds will be issued.

Please register by 1 April so that instructors will have time to prepare course materials. *Course registration after 1 April will be subject to availability, instructor consent and receipt of payment.*

Trainers will contact participants regarding pre-course information and requirements.

Dates, Times, Location. The IAIA'01 pre-meeting training courses will be held 26-28 May 2001 from 9:00am - 5:00pm in the Cartagena Centro de Convenciones.

Check-in. Registration for the training courses will be open at 8:00am on 26 May at the Convention Center. Tickets are required for admission to courses and will be distributed at check-in.

More Information. See the IAIA'01 preliminary program under Annual Meetings on the IAIA web site for more detailed descriptions of the courses and instructors' background information.

Sustainable River Basin Planning: Improving Environmental Impact Assessment as a Tool in Decision-making

In regions around the world, plans are being proposed to address the need for sustainable economic development and to improve the quality of life. Strategic environmental impact assessment (EIA), when used effectively as a tool in developing those plans, can minimize environmental impacts and resource degradation, accommodate ongoing development programs and projects, and address both short-term and long-term needs of the people.

Changes are occurring in EIA management. The purpose of this workshop is to review those changes and address practical approaches to better manage the EIA process that supports sustainable river basin planning and decisionmaking. Beginning with an EIA overview to orient beginners and to review basics for those with EIA experience, the program is organized around the key strengths and weaknesses of the EIA process. During morning breakout sessions, participants will actively address strengths and weaknesses of managing EIA in today's changing environment. During an afternoon roundtable discussion, training staff and participants respond to issues raised in the morning session and discuss progress being made toward improving EIA management in policy and planning decisionmaking. The program ends with review of selected case examples and lessons learned in preparing strategic EIAs.

Summary of content:

- EIA Overview Purpose, Scope, and Procedural Aspects
- Review of Strengths and Weaknesses and Prerequisites to Successful Implementation
- Breakout Sessions
- Group Reports
- Roundtable Discussion
- Case Studies
- Summary and Conclusion

Linda B. Oxendine, Ph.D., is a senior professional in Environmental Policy and Planning with the Tennessee Valley Authority. **Robert L. (Bob) Blenker**, M.A. in International Administration, is the Vice President for Marketing with the Tennessee Valley Infrastructure Group.

Linda B. Oxendine, lboxendine@tva.gov Robert L. (Bob) Blenker, bblenker@juno.com

DURATION: 1 DAY (MAY 26) LANGUAGE OF OFFERING: ENGLISH AND SPANISH LEVEL OF KNOWLEDGE REQUIRED ON EIA: MEDIUM TO HIGH

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2. Using Impact Assessment and Strategic Planning for Effective Environmental Management at Industrial Facilities

Managers at industrial facilities need to consider environmental issues as part of the overall strategic management of facility operations due to the requirements of ISO 14000, the increasing cost of environmental compliance, and the public interest in environmental issues. Along with the actual management of the wastes generated, there is also the "management" of a facility's economics, long-term liability, and public perception regarding these matters. A strategic management framework can be used to incorporate traditional impact assessment tools as part of the overall environmental management system at the facility and firm level. The purpose of this training is to update impact assessment professionals, industry affiliated management, and regulators on how traditional impact assessment tools can enhance environmental management at the facility and at the firm level. The importance of these tools will be demonstrated within a strategic management framework adopted from the business profession.

Summary of content:

- 1. Overview of Environmental Management (EM) Issues at Industrial Facilities
- 2. ISO 14000 and Environmental Auditing
- 3. Prioritizing Environmental Issues
- 4. Controlling Environmental Issues
- 5. The Environmental Management System

Sharon A. Jones, Ph.D., P.E. (Lead Instructor) is Clare Boothe Luce Assistant Professor, Director of Environmental Engineering Programs at the Department of Civil and Environmental Engineering, Rose-Human Institute of Technology. **Thomas Mason**, Ph.D., is Professor of Economics and Director of the Engineering Management Program, Rose-Human Institute of Technology, Indiana, USA.

Sharon A. Jones, sharon.jones@rose-hulman.edu Thomas Mason, thomas.mason@rose-hulman.edu

DURATION: 1 DAY (MAY 27) LANGUAGE OF OFFERING: ENGLISH

LEVEL OF KNOWLEDGE REQUIRED ON EIA: INTRODUCTORY

3. Participación ciudadana en la EIA en América Latina: previniendo y resolviendo conflictos en los contextos urbano y rural (Public Participation in EIA for Latin America: Preventing and Resolving Conflicts in Urban and Rural Contexts)

Public participation in EIA is a great challenge in Latin American countries. The EIA system has been recently adopted in the majority of the countries (in Chile since 1997). It generally offers a channel for public participation. This channel has proven limited, particularly in the case of big development projects. This workshop will start by identifying the concerns of the participants regarding public participation in EIA. These concerns will be discussed throughout the workshop and attempts to answer them, based on the experience of the instructors, will be made.

Summary of content:

The workshop will be structured in three sections.

- 1) First, instructors and participants will discuss:
 - a) How the social "climate" has changed in the last decade, and what the implications are for public participation.
 - A basic strategy for public participation, based on the need to involve all the stakeholders through a systematic process,
 - c) A number of techniques that can be used within this strategy, such as the social profile, responsive publications, open houses and planning workshops.
- 2) The instructors will present case studies in Latin America, and will ask the participants to draw lessons from them.
- 3) The participants will be asked to work in a design practicum; working in groups, the participants will design a public participation program for one actual case they find of interest. The instructors will review and give feedback to the groups.

Hernan Blanco is involved in public participation and EIA since early 1990. Since 1998 he has been associated with CIPMA, an environmental research center in Santiago. He has developed research and consulting projects on the environmental effects of trade, sustainable development indicators, public participation and conflicts between companies and communities. He has used Desmond Conor's approach to "constructive citizen participation" in three development projects in Chile. As a consulting sociologist-anthropologist (Ph.D., Cornell University, 1963) and president of Connor Development Services Ltd., Desmond Connor has specialized for the last 30 years in public participation. Both instructors have recently given training to the Panama Canal Commission, and to two mining companies in Chile.

Hernan Blanco, hblanco@cipma.cl Desmond Connor, connor@connor.bc.ca, www.connor.bc.ca/connor

DURATION: 1 DAY (MAY 27)

LANGUAGE OF OFFERING: SPANISH

LEVEL OF KNOWLEDGE REQUIRED ON EIA: INTRODUCTORY

4. Impact Assessment for Project Management and Implementation

The workshop will be presented using the principles of Integrated Decision Making©. Of particular emphasis is the integration of environmental and social impacts and their application in the decision process in corporate and agency settings using sustainability decision criteria.

Summary of Content:

- identifying the project's need or utility during the planning process
- identifying and defining institutional decision making cultures in public and private settings
- stakeholder identification and analysis
- involving stakeholder interests in an issues/goals clarification process
- utilizing Alternative Dispute Resolution techniques to achieve win-win solutions among competing stakeholders
- implementation through Project Mapping and Action Planning

William H. Jones is an international business performance and planning consultant based in Birmingham, AL (USA). As a former executive of a major utility company, and an executive in an international training and development company, he has served in various corporate leadership positions throughout his career. He is experienced in strategic organizational impact assessment, strategic planning, and conflict resolution. Hobson Bryan is a professor in the Department of Geography, University of Alabama (USA). He is co-author of a text on social impact assessment and has extensive experience in impact assessment consulting and developing environmental assessment policy and training, both nationally and internationally.

William H. Jones, jones_wh@bellsouth.net C. Hobson Bryan, hbryan@bama.ua.edu

DURATION: 2 DAYS LANGUAGE OF OFFERING: ENGLISH LEVEL OF KNOWLEDGE REQUIRED ON EIA: MEDIUM

Evaluación y Gestión de Impactos de Proyectos Mineros y de Infraestructura (Impact Assessment and Management of Mining and Infrastructure Projects)

The short course will provide an overview of the most current environmental and social impacts associated with mining and infrastructure projects (especially highways, dams, transmission lines and other civil engineering undertakings), as well as usual management measures. The linkages between impact identification, prediction, assessment and management will be emphasized. Many examples will be taken from Latin America countries.

Summary of content:

- 1. Introduction: objectives and purpose (15 min)
- 2. Mining and its environmental impacts: an overview (45 min)
- 3. Infrastructure development and its major impacts (30 min)
- 4. Impacts on the physical environment: erosion, sedimentation, water pollution, atmospheric pollution, noise, vibrations (150 min)
- 5. Impacts on the biological environment and principles of biodiversity protection (90 min)
- 6. Impacts on the human environment: social, economic and cultural impacts (90 min)
- 7. Practice: impact identification for a hypothetical case (participants will work in groups, two cases will be proposed, a mine and a highway) (60 min)
- 8. The EIA process: linkages between impact identification, prediction, assessment and management (90 min)
- 9. Techniques of impact identification (60 min)
- 10. Techniques of scoping (60 min)
- 11. Practice: impact identification and scoping (second approach to the proposed exercise) (90 min)
- 12. Impact management: avoidance, mitigation, enhancement and compensation; linking impact assessment and impact management (90 min)
- 13. Final discussion and briefing of group work (90 min)

Luis Enrique Sánchez is Associate Professor, Escola Politécnica, University of São Paulo, Brazil, mining engineer. He holds a B.A. in Geography, and a Ph.D in economics of natural resources. He holds consultant experience in Brazil, Nicaragua and Eastern Africa related to mining, dams and highways; ten years teaching experience with the University of São Paulo.

Luis Enrique Sanchez, lsanchez@usp.br

DURATION: 2 DAYS LANGUAGE OF OFFERING: SPANISH

LEVEL OF KNOWLEDGE REQUIRED ON EIA: INTRODUCTORY

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6. Strategic Environmental Assessment: Key Elements and Practices

This course on SEA has the double aim of (1) introducing key concepts and issues that significantly distinguish SEA from other environmental assessment and management tools while (2) at the same time offering a discussion forum on current SEA experiences. The course attempts to provide a perspective on different approaches to SEA at the international level, taking participants across key elements that define good practice SEA in different systems, rather than focusing only on one methodology or procedure. Numerous case-examples are used to illustrate full process SEA, or just some key steps or issues within an SEA. Given the location of the course in Latin America, preference will be given to the use of case-examples from this part of the world where available (e.g. SEA of the Bolivia-Brazil pipeline) In accordance with the topic of the conference, case-examples on urban and municipal planning SEA will also be used. Ĝiven the need for great adaptativeness of SEA to decision-making processes, course participants are invited to interchange their experiences with respect to national decision-making procedures and respective needs, or current application, with SEA.

Summary of content:

Background, key concepts and overview of international experience

What is SEA

Evolution and forms of SEA

Concepts and definitions

Why doing SEA

SEA role towards sustainability

SEA and EIA relationship

Principles and rules of good practice

Overview of International Experience

SEA regulations, guidance and institutional contexts Procedural approaches to policy, planning and programmes SEA

Key elements and practices in SEA: methodological approaches and techniques

How to do an SEA

Key elements

Integration in decision-making

SEA step-by-step

Objectives, benchmarks and targets

Alternatives

Assessment criteria

Case studies on step-by-step process

Public involvement in SEA

Quality control

Integration in decision-making

Maria R. Partidario, PhD on SEA, she is Assistant Professor at the Universidade Nueva de Lisboa, Portugal. Co-editor of two books on SEA, has authored book chapters and journal articles and refereed various papers on SEA. Experienced EIA trainer, conducted 7 SEA courses.

Maria Rosário Partidário, mp@mail.fct.unl.pt

DURATION: 2 DAYS

LANGUAGE OF OFFERING: ENGLISH WITH POSSIBLE DISCUS-

SION GROUPS IN SPANISH AND PORTUGUESE

LEVEL OF KNOWLEDGE REQUIRED ON EIA: MEDIUM TO HIGH

7. Cumulative Effect Assessment

This course focuses on the principles and practices for incorporating cumulative effects considerations within the environmental impact assessment (EIA) process. The inclusion of cumulative effects assessment (CEA) in the EIA process has become an increasingly important topic in recent years. Special attention will be given to case studies and uses of the World Wide Web in CEA.

Summary of content:

- Overview of the Course
- Principles and Procedures for CEA (definitions, generic steps, relationship to EIA)
- Delineating Spatial and Temporal Boundaries for CEA (factors to consider, limitations of information)
- Determining "Baseline" Conditions and Information Sources (theoretical and pragmatic definitions of baseline, sources of descriptive and quantitative information)
- Case Study of CEA
- Determining Reasonably Foreseeable Future Actions (terminology, conservative "8 step" method)
- Methods for Identifying Cumulative Effects (case studies of methods usage)
- Use of the Scoping Process in CEA (principles of scoping, planning a scoping program to include consideration of cumulative effects)
- Prediction Methods for Cumulative Effects (indicators, habitat indices, descriptive approaches, mathematical models) >
- Case Study of CEA
- Mitigation and Monitoring of Cumulative Effects (timing opportunities; institutional coordination and collaboration; use of information)
- Use of the World Wide Web in CEA (Web sites, various uses, limitations)
- Barriers and Needs Related to CEA (institutional concerns, guidelines, documentation, scientific limitations)

Dr. Larry Canter has written six books related to EIA and is also the author or co-author of numerous book chapters, refereed papers, and research reports related to impact studies. He has a great experience in EIA and CEA training.

Larry W. Canter, EnvImpTr@aol.com

DURATION: 2 DAYS

LANGUAGE OF OFFERING: ENGLISH

LEVEL OF KNOWLEDGE REQUIRED ON EIA: MEDIUM TO HIGH

Biodiversity in Impact Assessment and Mitigation Planning for Sustainable Development

This course aims to enhance capability and skills of the participants for integrating biodiversity concerns in the EIA of development projects and acquire better insight into mitigation planning approaches that best ensure biodiversity conservation.

Summary of content:

- Rationale for Biodiversity Impact Assessment and its
- Guidelines for study design and selection of parameters
- Introduction to field techniques and computer aided
- Developing impact indicators for key environmental is-
- Impact significance criteria
- Introduction to mitigation, restoration & enhancement
- Demonstration of best practices

Dr. Asha Rajvanshi is a senior scientist at the Wildlife Institute of India for last 14 years. She heads the EIA Cell of the Institute. **Dr. V.B. Mathur** is a senior scientist in the Wildlife Institute of India with over 17 years experience in natural resource conservation and application of GIS in biodiversity impact assessment.

Asha Rajvanshi, ar@wii.gov.in, or eia@wii.gov.in Vinod B. Mathur, vbm@wii.gov.in

DURATION: 2 DAYS

LANGUAGE OF OFFERING: ENGLISH

LEVEL OF KNOWLEDGE REQUIRED ON EIA: MEDIUM

Environmental Impact Assessment: A Potentially Powerful Tool for Indigenous Peoples

(A capacity-building workshop for indigenous peoples)

This workshop grew out of a broader initiative of the IAIA Indigenous Peoples Section (IPS) to expand the participation and capacity of indigenous peoples in the Section. Beginning with IAIA'01, the Section aims to involve more indigenous representatives and provide increased capacity building opportunities with a focus on Central and South American regions. If the workshop is successful, there may be future similar events extending the focus as appropriate.

The IPS training workshop will build a firm understanding of the role of environmental assessment and consultation as a powerful planning tool for native peoples. It is likely that many indigenous participants will have had little or no exposure to the formal practice and basis for environmental impact assessment or to the IAIA organization. The idea of a workshop is to provide these individuals with increased capacity so that they will be informed participants in the conference that follows, and in their own communities and homelands.

Workshop objectives:

- introduce the concept and meaning of "Environmental Impact Assessment" (EIA) and its application internationally
- promote an understanding of indigenous rights to involve ment in EIA: Biodiversity Convention Article 8j, international lending organizations policies, and other national and international policies that empower IP to participate and be heard in EIA
- promote understanding of the potential role and value of IP in EIA
- promote the use of techniques that work and/or are culturally sensitive for IP for EIA and consultation
- present a summary of important examples of IP involvement in EIA
- provide an introduction to IAIA, the IP Section, and the mission of both
- introduce participants and encourage networking with other IP with experience in this field, and a network of EA professionals who constitute the IAIA membership
- learn from participants what is needed to enhance their participation in EIA in the future, and how IAIA can a ddress these needs

While priority for this capacity-building workshop shall be given to Indigenous Peoples, others may attend the workshop on a space-available basis. Workshop content and translation services will be focused specifically, however, to the needs of IP attending the workshop. Trainers and facilitators are to be confirmed.

This workshop is organized on behalf of the IAIA Indigenous Peoples Section by Libby Halpin Nelson, Tulalip Tribes, USA, lhalpin@tulalip. nsn.us and Murray Jones, Shell Canada

DURATION: 1 DAY

LANGUAGE OF OFFERING: MULTIPLE (DEPENDING ON TRANS-

LATION SERVICES)

LEVEL OF KNOWLEDGE REQUIRED ON EIA: INTRODUCTORY

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Special one-day workshop

IAIA Multilateral Day: Workshop on Environmental and Social Policies

..... sponsored by the Andean Development Corporation (CAF)

The Latin American and Caribbean region of The World Bank will be hosting a "Multilateral Day" from 9:00am–5:30pm on 27 May at the **Hotel Caribe**. This event will consist of a one-day workshop which will bring together participants from various multilateral institutions to deliberate on the application of environmental and social policies in their respective institutions.

The day's program will include presentations by representatives of International Financial Institutions on social and environmental policies of their respective institutions, illustrated by a short case study. In addition, all attendees will be expected to participate in interactive breakout sessions to apply their new-found knowledge to review a project. The program will conclude with a panel discussion on conclusions and recommendations from the events of the day.

Kindly confirm your intent to participate in this event by checking the appropriate box on the IAIA'01 registration form. Registration is limited to 150. Lunch, sponsored by CAF, will be served. This event is free to IAIA'01 registrants. A US\$50 fee applies if you do not plan to attend the IAIA conference. *Please note you will need to check in at the convention center prior to the start of this workshop at the Hotel Caribe. Registration will be open 26 May from 8:00am-10:00am and 27 May at 8:00am)*

For further information on the session, please contact Juan David Quintero (+1 202-473-5294), Kirsten Oleson (+1 202-473-7522) or Yewande Awe (+1 202-458-5795) in the Latin American and Caribbean Region, Environmentally and Socially Sustainable Development, The World Bank, Washington DC, USA.

Special one-day session

Special Session on Health Impact Assessment Organized by the World Health Organization

With the purpose of informing a broad audience of impact assessment practitioners about the current status of mainstreaming Health Impact Assessment in the program of the World Health Organization; the following special session is proposed by the WHO on May 27 at the Centro de Convenciones. The program is as follows:

10:00	Opening of the session
10:10	Introduction and update on the process of mainstreaming
	HIA in the World Health Organization—Robert Bos
10:20	Discussion
10:35	Overview of HIA development (from methodology
	through procedure to policy) and how this led to the cur-

rent WHO definition of HIA – Martin Birley
10:55 Discussion
11:10 Healthy Public Policy: WHO perspectives on the strategic

variant in health impact assessment:
11:10–11:25 Conceptual issues in the framework of health and sustainable development—*Yasmin von*

Schirmding
11:25–11:40 Health in the European Transport Policy and other examples from the WHO European Region–Carlos Dora

11:40 Discussion

11:55	WHO guidelines for Health Impact Assessment: the ex-
	ample of the WHO Eastern Mediterranean Region—M. Ali
	Khan

12:15 Discussion/Break

13:45 WHO/WB/AfDB/ESAMI partnership efforts for Health Impact Assessment capacity building in the WHO African Region—*Peter Furu*

14:05 Discussion

14:20 Health Impact Assessment in the Americas—*PAHO*, the WHO Regional Office for the Americas

14:40 Discussion

14:55 The WHO Healthy Settings Approach—WHO Regional Office for the Western Pacific

15:15 Discussion 15:30 Closure

Please indicate your intent to participate in this special session by marking the appropriate box on the IAIA'01 registration form. This event is free to IAIA'01 registrants. A US\$50 fee applies if you do not plan to attend the IAIA conference.

For further information on the session, please contact Robert Bos, Dept. Protection of the Human Environment, World Health Organization, 1211 Geneva 27, Switzerland. Fax +41 22 791 4159. bosr@who.int.

'Round the World Raffle

NEW TO IAIA'01: A TRIP AROUND THE WORLD

Okay, not really. But it will seem like it when you participate in the newest event at IAIA'01: The 'Round the World Raffle!

Based on a suggestion from IAIA member Frank Vanclay, who visited the International Headquarters (HQ) in January, the fund-raising event to purchase trees for the City of Cartagena will now be held in the format of a raffle instead of an auction. The basic premise of IAIA members donating items remains the same. However, the way in which participants can "buy" those items has changed slightly. We hope this change doesn't cause too much confusion, but we believe the raffle will be more fun and make it easier for everyone to participate.

Each donated item will be displayed with its own ticket basket, and participants in the raffle can purchase and allocate tickets as they wish. At the end of the event, one ticket will be drawn per item to determine its winner. Your chances of winning an item depend on how many tickets you and others submit for it. For example, you can buy 20 tickets and put them all in one basket for one item (thus increasing the chances your name will be drawn), or you can put one ticket in each basket for 20 different items (one chance for several different items), or any combination of such.

There is still time to donate items! **All donors—whether or not you've previously contacted the HQ—please submit this information**. Electronic submission to Bridget John (bridget@iaia.org) at IAIA's International Headquarters (HQ) is preferred. Otherwise, fax or mail the form below to the HQ. Donors will be contacted later with more details.

Want to participate but not sure what to donate? Ask yourself this question: if someone were visiting your country for the first time, what kinds of things would be considered good souvenirs? It may be something for which your country is very well known (e.g., a special wine from South Africa) or a hand-made craft (e.g., tablecloths, wall hangings, figurines, etc.). Be creative! Have fun with it! Think of it as a way to share a little piece of your culture with the rest of IAIA. All we ask is that each item have a minimum value of US\$10, and that you let us know by 15 April if you plan to donate.

IAIA'01 Raffle Donation

Your name:

*Donated item:

*From what country?

Approximate US\$ value:

*Brief description or background on the cultural significance of the item (50 words or less):

NOTE: DO NOT SEND YOUR DONATION TO THE HQ. TAKE IT WITH YOU TO CARTAGENA.

Starred (*) items will be displayed next to the item for ticket purchasers to see.

E-mail this information to bridget@iaia.org, or fax or mail this form to IAIA International Headquarters, 1330 23rd St. S., Suite C, Fargo, ND 58103 USA.. Fax +1.701.297.7917.

Up to \$500 of the proceeds will be donated to the City of Cartagena to purchase trees. We hope that many will participate so that we will be able to make a sizable gift to Cartagena. And the more who participate, the more fun it will be!



Book Share

How about bringing 1 or 2 of your favorite environmental reference books, new or recycled, as a contribution to the IAIA Book Share Table? They would then be available cost-free to delegates who might not readily find such books in their own localities.

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Technical Visits

Registration, Deadlines and Fees.

Registrations will be taken on a first-come, first-served basis. Minimum and maximum numbers of participants are noted; if the tour for which you have registered does not meet the minimum quota, you will be notified by the International Headquarters (HQ) and you will have the options of choosing another tour or having your registration fee refunded. Accompanying persons and guests are welcome on tours.

Please register by 1 April so that appropriate arrangements can be made for transportation and meals. If you must cancel, registration fees will be refunded, minus an administration fee of \$25US and contingent upon written notice of cancellation received in the International Headquarters by 1 April. After that time, no refunds will be issued.

Registration, Time, Locations.

Registration will be open from 8:00am—5:00pm 27 May and at 6:45am on 28 May at the Convention Centre.

Note that the start times vary from tour to tour. Please plan enough time to register, as groups will meet at the convention center 15 minutes prior to departure. You will be informed of the group meeting place upon registration. Tickets for the tours will be provided upon check-in. These tickets are required for admission to the tours. We strongly urge you to check in the afternoon of 27 May, due to the early departure times.

Plan to wear cool, comfortable clothing and walking shoes. You may wish to take an umbrella and/or any special clothing indicated by the specific activities of a particular tour.

All technical visits will be coordinated by the Islas del Rosario National Park staff and will include lunch, in-city transportation and English-speaking guides.

A. Environmental Survey of Cartagena's Water Bodies

The still-beautiful Cartagena Bay is subject to environmental threats from many different sectors. Public-private initiatives are under way for its recovery. This one-day boat ride will visit most environmental hot spots around the Bay and will illustrate these initiatives. Stops will include presentations by relevant actors on: wastewater treatment and disposal (project financed by World Bank and the Inter-American Development Bank); the industrial Zone of Mamonal (Colombia's third industrial zone) in which compliance efforts involve both private-public partnerships, twinning arrangements and clean technology initiatives; the mouth of the 65 mile Canal del Dique, built by the Spaniards more than 300 years ago which joined the Bay with the Magdalena River (Colombia's largest river); shrimp farms with innovative production and environmental management plans; restoration of historical sites in key islands around the Bay; and visits to Afro-Colombian fishing villages dating back from the Spanish period. Finally, participants will visit the recently-completed "Bocana" project in the Cirnaga de la Virgen Lagoon (one of the most important coastal lagoons on the northern coast of Colombia) adjacent to Cartagena, which receives about 60% of the sewage load from the city. This project, financed by the Colombian and Dutch governments, is intended to provide a source of clean seawater into the lagoon through a series of tidal gates and sea outlets, as a first step toward the recovery of this wetland and part of a long-term ecological recovery program for the wetland. Lunch at local fishing village.

28 MAY / 7:15AM - 5:00PM / US\$50 / MIN-MAX: 15-40

B. The Isla de Salamanca Mangrove Ecosystem Recovery Program

In the early 1960's a road joining the cities Barranquilla to Santa Marta went through an estuarine island and interrupted the saline water-fresh water equilibrium which ultimately destroyed more than 25,000 hectares of mangrove ecosystems. Through an Inter-American Development Bank (IDB) loan, the regional environmental authority (CORPOMAG) is implementing a mangrove recovery and fresh water lagoon restoration program which has rebuilt the drainage system with outstanding results on the growth of mangrove forests and fish productivity in the lagoon. This remaining still intact part of the Salamanca Island is a National Park and a RAMSAR site, with a high diversity of local and migratory birds. This one-day tour will include a 2 hour bus trip from Cartagena to the Salamanca Island through a recently built highway along the coast and lunch at the Park's headquarters.

28 MAY / 7:30AM - 5:00PM / US\$50 / MIN-MAX: 22-105

C. Islas del Rosario National Park

Colombia's only underwater coral reef park, this string of privately owned islands is only a two-hour boat ride from Cartagena. This coral reef holds one of the most important concentrations of the coral *Acropora Palmata* in the world. This one-day tour will include a visit to the Park headquarters for presentations on the environmental management plans (public-private partnerships), a tropical marine life aquarium, and selected construction sites. There will be plenty of time for swimming at white sand beaches, snorkeling and lunch at a local restaurant on one of the islands.

28 MAY / 7:45AM—4:00PM / US\$50 / MIN-MAX: 15-72



1. City Tour. This tour includes entrance to three historic sites of interest: San Felipe Castle, La Popa Convent and San Pedro Claver Church. Bilingual guide. Transportation in Chiva, no air-conditioning.

3 HOURS / DEPARTURE: 14:30 P.M. / PRICE PER PERSON: US\$25

2. Party in a Chiva. Leaving from the hotel in a typical bus called a Chiva with a live musical band and bar with national rum. We will be visiting residential neighborhoods along the bay, the beautiful streets of the Old City, and offering snacks, open bar during the trip and a cover drink in one of the city's discotheques.

3 HOURS / DEPARTURE: 20:00 P.M. / PRICE PER PERSON: US\$15

CARTAGENA SUN AND SURF

3. Rosario Islands Tour. This is one of the nicest tours from Cartagena. Leaving the Port of Cartagena, during the 45minute trip there is a view of the Corales del Rosario Natural Park. The tour has several attractions: trip in a speedboat, beaches with white sand, blue, crystal-clear water, coral formations, visit to the San Martin Island Aquarium where there are marine shows and opportunities to learn about very interesting species of fish, a trip around the Islands with a delicious typical lunch and tropical fruits. The warm and crystal-clear waters are an invitation to activities such as snorkeling, swimming, deepsea diving or just a lazy day on the beach, drinking in the sun in comfortable chairs. Includes: transportation from hotels to the Harbour and return (only from hotels located at Bocagrande and Laguito sector), transportation by boat to the Island and return, entrance to the aquarium., typical lunch, coordinator/guide.

8 HOURS / DEPARTURE: 8:15 A.M. / PRICE PER PERSON: US\$55

SPORTS IN CARTAGENA

4. Deep Sea Diving. Program organized for professional deep-sea divers who would like to get to know the coral formations, undersea shelves, sunken ships and other submarine habitats of this area of the Colombian Caribbean. Two dives are made during the day, with a specialized guide who is a PADI instructor or dive master. Includes: snack (sandwich, snack, refreshments), equipment, dive master.

ALL DAY / DEPARTURE: 8:00 A.M / PRICE PER PERSON: US\$105

5. Snorkeling Tour. Leaving the Rosario Islands aboard a safe and comfortable boat, the most beautiful coral formations and interesting species of fish can be seen, in crystal-clear waters and with white beaches. Includes: snack (sandwich, snack, refreshments), snorkeling equipment, dive master.

6 HOURS / DEPARTURE: 8:30 A.M. / PRICE PER PERSON: US\$65

Pre- and Post-Conference Excursions

1. Amazon River (Leticia)

"It is true that the Amazons

has the greatest reserve of wood in the world, the largest deposits of iron and possibly the most important deposits of gold on earth, but its true richness, the greatest treasure hidden among its jungles, is life, the marvelous abundance of life it holds and produces," from the book *En Canoa del Amazonas al Caribe* (*From the Amazons to the Caribbean by Canoe*).

In a relatively rare area, hundreds of species of plant can be observed, as well as varied species of animals and visits to Indian communities, such as the Ticuna tribe, which still preserves its native customs. A ride along the Amazon river is an unforgettable experience. The unsurpassable handicrafts found in the riverside populations, the interior lakes, the river's branches, waking up to the song of thousands of birds, the exotic fruits and Amazon gastronomy combine to make the trip to the Amazon a source of energy and life for the visitors. The ride along the Amazon river from Leticia to the Amacayacu Park is exciting: two hours long, observing the high, thick vegetation and the mysterious river. From Amacayacu you can go upriver to Nariño Port, a town of narrow, straight streets, with very typical architecture and friendly people.

Included in package price: transfer in and out, 4 nights accommodation in Leticia and baggage handling (1 bag per person), breakfasts and dinners, tour to Amacayacu Park and Puerto Nariño by boat with lunch, tour to Isla Los Micos, tour by Benjamin Constant, professional tour guide. Not included in package price: airfare to and from Leticia. Note: vaccination for yellow fever required (10 days before trip).

5 DAYS / 4 NIGHTS

PACKAGE PRICE PER PERSON: DOUBLE OCCUPANCY: US\$635

SINGLE OCCUPANCY: US\$540

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2. San Andres and Providence Islands

Two hours flight from Santafe de Bogota, in the midst of the vast ocean lies the archipelago of San Andres and Providencia, the scenario of the most fantastic "Adventure Story." It is 700 kilometers (480 miles) from the Colombian coast, in the multicolored Caribbean Sea, and surrounded by spectacular coral reefs and crystal-clear waters, ideal for observing underwater fauna. The island is of coral origin and is surrounded by a barrier of white reefs and the sea of incomparable colors. It is a spirited city, full of stores and shops. Its economy is based on tourism and commerce. It was designated a free port in 1953. In contrast, Providencia, which today is presented as secondary when, before, it was historically the center of the Archipelago, is a smaller island, of volcanic origin, full of mountains. This is the ideal place for those who wish to have intimate contact with nature, far from the stress of modern life. You can travel from San Andres to this small island by boat or plane. Visit to Providence Island is optional.

Included in package price: transfer in and out in San Andres Island, 2 nights accommodation in San Andres Island and baggage handling (1 bag per person), island tour, professional tour guide. Not included in package price: airfare to and from San Andres Island.

3 DAYS / 2 NIGHTS
PACKAGE PRICE PER PERSON: DOUBLE OCCUPANCY: US\$205
SINGLE OCCUPANCY: US\$295

Tour Booking Details

All tours are professionally

conducted by T&CI Estrellas Ltd. Unless otherwise stated, tours are fully escorted and are inclusive of fees, admissions and ground transportation. Meals and flights are not included unless noted otherwise. Youths under 16 years of age must be accompanied by an adult. You are advised to register as soon as possible for these activities. Pre-registration for pre- and post-tour programs should be received by T&CI no later than 15 April 2001. Pre-registration for the daily tours should be received prior to 30 April 2001. All prices are listed in US dollars. Full payments must accompany your registration form.

Cancellation/ Refund Policy

Daily Tours: Full refunds on all daily tours will be granted if written notice of cancellation is received by T&CI Estrellas Ltd. by 30 April 2001. No refunds will be issued after this date.

Pre- & Post-Event Excursions Full refunds on all pre- and post-tours will be granted if written notice of cancellation is received by T&CI Estrellas Ltd. by 30 April 2001. No refunds will be issued after this date.

3. Santa Fe de Bogota, D.C.

Santa Fe de Bogota, D.Č, the capital of Colombia, is located on an high plateau called the Bogota Savannah, at an altitude of 2,360 meters above sea level. You can visit in Sanfe de Bogota the Gold Museum, the richest museum of gold work in America, over 20,000 pre-Columbine pieces that represent the progress of the Indian civilizations which inhabited several regions of the country.

Included in the package price: transfer in and out. 2 nights accommodation in Santa Fe de Bogota & baggage handling (1 bag per person), breakfast, city Tour of Santa Fe de Bogota, professional tour guide. The city tour includes admittance to the Gold Museum. Not included in Package Price: airfare to and from Santafe de Bogota.

3 DAYS / 2 NIGHTS

PACKAGE PRICE PER PERSON: DOUBLE OCCUPANCY: US\$195 SINGLE OCCUPANCY: US\$295

Optional Tours:

3.1 Tour to Zipaquira

Zipaquira is about 50 kilometers from Bogota. The new Salt Cathedral was opened in December 1995 and is one of Colombia's most important attractions. For its construction, the extraction of 250,000 tons of saline mineral was required. The Salt Cathedral is a breathtaking and marvelous construction. Visiting it invites you to meditation on art, life and the religious culture.

DURATION: 4 HOURS PRICE PER PERSON: US\$66

3.2 Tour to Villa de Leyva

The Tour to Villa de Leyva departs from Bogota and is a genuine historical/cultural trip where, during the trip, you can enjoy tranquil scenery and historical sites where important events of Colombian history took place, such as the Boyaca Bridge. In Villa Leyva there is a sight-seeing walk and a visit to the Main Square in the heart of the town. Lunch is at a hotel and during the return to Bogota a stop is made to sight-see and purchases handicrafts in the town of Raquira. Includes: private, comfortable transportation, admittance to the Museums of Villa de Leyva, typical lunch, guide/coordinator.

DURATION: 8 HOURS PRICE PER PERSON: US\$165

Pre-and post-conference excursions begin on request

Conference registrants: please keep in mind when booking tours that IAIA'01 activities are scheduled from 26 May—1 June

Hotel booking details

Please complete the reservation form and return it with payment. T&CI Estrellas Ltd. is the official housing bureau and has arranged a special congress rate for participants. Room requests received after 30 April 2001 are subject to availability.

Upon receipt of your request and payment or credit card detail, T&CI will confirm your hotel. While every effort will be made to accommodate your first choice of hotel, the number of rooms in each category is limited. If your requested hotels are fully booked, T&CI Estrellas reserves the right to arrange accommodation in another hotel. Therefore, it is vital that you reserve your accommodation early. Individuals booking directly with a hotel will not receive the preferred rate.

A credit card number or a deposit per room is required to process and guarantee your hotel reservation. If you provide a deposit or authorize a credit card charge, your hotel bill will be credited upon your departure.

Changes or cancellations before 30 April 2001 must be received in writing by T&CI Estrellas Ltd.

Guaranteed early access (i.e., before 16:00 hours) to your room is only possible if the room has been reserved for the previous night.

All rates quoted are in US dollars per room, per night.

All hotels have been selected for their safe location and standard of cleanliness and service.

All hotels are less than 5 minutes and about US\$1.50 to the convention center by taxi, or 10-20 minutes' walking distance.

If you wish to make arrangements with your colleagues to meet them upon arrival in Cartagena, all hotels have restaurants and lounges that would be suitable!



View of the "New City" from a rooftop pool.

HOTELS	Do not make direct reservations; for conference rates, use the reservation form on page 27. Contact information is provided for your convenience.		
Hotel Caribe (Conference Hotel)	Caribe Hotel is across the street from the Caribbean Sea. It offers a Republican architectural style and 362 rooms. It is located at "El laguito" sector, 15 minutes' drive from the Rafael Nuñez Airport, and 10 minutes' drive to the old city. Only 15 minutes from the convention center. Carrera 1A No 2-87, Bocagrande. P: +57 5 665 0131. F: +57 5 665 4970. www.hotelbook.com/static/welcome_14110.html#top		
Hotel Almirante Cartagena Estelar	ar 254 rooms, 3 restaurants, bar, swimming pool, gymnasium, easy access to the beach, bus ness center. Only 15 minutes from the convention center. Bocagrande–Av. San Martín Calle 6a. Tel: +57 5 665 8811 / 665 8261 / 665 8266. Fax: +57 5 665 8269 / 665 920 www. Cartagenadeindias.com/hoteles/estelar/		
Hotel Cartagena Hilton	288 rooms, 2 restaurants, bar, three night-light tennis courts, spa with Turkish bath, gym, business center, laundry, 3 swimming pools. Located by the Caribbean Sea. Only 15 minutes from the convention center. Avenida Almirante Brion, El Laguito. P: +57 7 665 0666. F: +57 5 665 2211. www.hilton.com/hotels/CTGHITW/index.html		
Hotel Santa Clara Sofitel	180 rooms, 3 restaurants, bar, plaza Santa Clara, swimming pool, gym, sauna, jacuzzi, steam bath, laundry, business center. Located at the old walled sity. Only 5 minutes from the convention center. Calle del Torno, Barrio san Diego. P: +57 5 664 6070. F: +57 5 664 8040. www.hotelbook.com/static/welcome_27124.html#top		

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TATA'01

HOTEL, DAILY TOURS, AND PRE- AND POST-EVENT EXCURSIONS RESERVATION FORM

Please note: If you want to share a room, registration forms must be sent together. The person who makes the booking for a shared room must pay for all persons sharing the room. A single person cannot book a double room without indicating who is sharing the room.

PERSONAL DETAILS: Please type or print in BLOCK LETTERS and provide complete address. Office Use:				
☐ Mr ☐Ms ☐Mrs				
Given Name		Family Name		
Mailing Address				
City	Prov/State	Country	Postal Code	
Telephone (daytime)		Telephone (evening)		
Fax (daytime)		Fax (evening)		
Email address		Tax (evening)		
Please tick (x) the appropriate box. Incl		ner nerson		
Category	Single US\$	Double US\$	Triple US\$	
☐ Hotel Sofitel Santa Clara	172	86	72	
☐ Hotel Cartagena Hilton	104	52	41	
☐ Hotel Almirante Cartagena Estelar	97	49	44	
☐ Hotel Caribe	77	39	34	
Hotel Preference (name of hotel)	11	। अंधा be sharing my room with (ple		
,				
1st choice:		1		
2nd choice:		2 Double room		
Arrival date:	Departure date:	-		
- ANGENT OF THE ACT OF		SUB TOTAL (deposit per room)	\$	
PAYMENT SUMMARY: Transfer totals				
☐ 2. San Andres US\$\$205/295 ☐ 3. Bogota US\$195/295 ☐ 3.1 Zipaquira US\$66	No. of persons: No. of persons: No. of persons: No. of persons: No. of persons:	Date: Date: Date: Date: Date:	\$	
B. DAILY SIGHTSEEING TOURS. Full pa	ayment required at time of boo	king.		
□ 1. City Tour				
C. HOTEL ACCOMMODATION. A two (2				
You can also pay in advance the total	al of nights that you will need.	Indicate deposit amount.	\$	
		TOTAL ENCLOSED	\$	
METHOD OF PAYMENT				
□Visa □MasterCard □American Exp		Security Code (last three (3) number		
Credit card number				
Cardholder's Name Cardholder's Signature				
T&CI is authorized to charge my credit card dollars.				
☐ Bank Transfer Payable to: T&CI ESTRELLAS LTD. Please ensure that your name and the word IAIA'01 appear clearly on any bank transfers.				
INTERMEDIARY BANK: CITYBANK N.A. NEW YORK ACCOUNT WITH BANK: 360 20 257 UNION BANK (BARBADOS) SWIFT: CITIUS33 ABA ROUTING NUMBER: 021000089 BENEFICIARY CUSTOMER: T&CI ESTRELLAS LTD. ACCOUNT NUMBER 00347-008				

INFORMATION FOR CONFERENCE PARTICIPANTS

LOCATON AND DATES

IAIA'01 conference events will take place from 26 May-1 June 2001 at the Centro de Convenciones (Convention Center) in Cartagena, Colombia. Activities will include training courses, special sessions, workshops, paper and poster sessions, informational and administrative meetings, and technical visits. Conference activities will take place at the Convention Center unless otherwise noted. The address is Getsemaní Cra.8a, Cartagena, Colombia.

DEADLINES

1 March

- Requests for booth/exhibit space
 March
- Abstract submission

1 April

- Regular registration rate ends
- Last day payment can be received for inclusion of name and paper/poster in the final program and abstracts volume
- Application for indigenous scholarship
- Technical visit registration
- Training course registration

15 April

- Donations for Raffle
- Pre– and post-tours

30 April

- Daily tours
- Preferred hotel reservation

LANGUAGE USED

English is the official language used at IAIA meetings. Translation services will not be provided and sessions will be held in English unless otherwise stated.

FINAL PROGRAM

The final program will be distributed upon check-in or registration at the meeting in Cartagena. IAIA tentatively plans to have the final program available on the Website three weeks prior to the meeting.

BUSINESS SERVICES AND PRESENTATION EQUIPMENT

Please come prepared! Presenters are responsible for supplying their own session or poster materials. IAIA will not provide copying, printing, computers or other business services. Some copying, fax, and other business services and facilities are available from the hotels, but tend to be expensive and/or inconvenient. Overhead transparency and 35mm slide projectors will be provided by IAIA. Presenters are responsible for arranging and paying for any other equipment needed for their presentations, including any type of computer/video projection or other electronic equipment.

EXHIBITS AND BOOTHS

Attendees will have ample opportunity to visit the exhibits/booths and posters on display for the duration of the conference. Exhibit/booth space is still available. Contact the IAIA International Headquarters for information or to reserve a place.

REGISTRATION PACKET INSERTS

If you intend to distribute materials in delegate packets, please contact the International Headquarters by 1 March 2001.

CONFERENCE ATTIRE

IAIA conferences are generally casual; however, smart dress will be appropriate for the awards luncheon.

NAME BADGES AND ADMISSION TICKETS

All delegates, speakers, and exhibitors will receive a name badge at check-in or on-site registration. The badge is your official pass and must be worn to obtain entry to all meeting activities. Tickets will be required for some events and will be distributed at the registration desk.

Note: All participants, including delegates, session chairs, speakers, and exhibitors, are required to register for the meeting at the full or student registration rate.

REGISTRATION AND FEES

All participants, including delegates, session chairs, speakers, and exhibitors are required to register for the meeting at the full or student registration rate. If you have submitted an abstract, payment must be received before 1 April 2001 to ensure a place in the final program. IAIA does not have funds available to pay registration and/or travel expenses for program participants.

Full and student registration fees entitle delegates to attendance at all sessions, coffee breaks, awards luncheon, participants list, delegate packet, abstracts volume, and special events unless an additional fee is otherwise noted.

The accompanying persons fee includes coffee breaks, awards luncheon, and special events unless an additional fee is otherwise noted. Accompanying persons do not receive a program and are not included in the participants list.

Non-members: the non-member registration fee includes a one-year membership to IAIA, including a subscription to *Impact Assessment and Project Appraisal*. You will receive all member benefits and mailings.

IAIA Members: If it is more convenient for you to pay your annual membership dues at the same time you register for the annual meeting, please check the membership renewal box and pay the non-member rate. We will credit your account as having paid an annual, 12-month membership fee which will begin on your membership anniversary date. Otherwise, you will receive an invoice for membership payment on your membership anniversary date.

PAYMENT AND REFUND POLICIES

Registration fees must be received in US dollars (US\$). Payment should accompany registration forms, by credit card or check made payable to "IAIA" in US dollars and drawn on a US bank. Master-Card and Visa are also accepted. IAIA will refund registration fees upon written request received before 1 April 2001. A US\$50 processing fee will be retained. After that time, no refunds will be issued.

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GENERAL INFORMATION

IAIA'01 HOST CITY

Cartagena de Indias was declared a World Heritage Site by UNESCO due to the unequaled value of its military architecture built by the Spaniards in the XV and XVI Centuries. In addition to its colonial Spanish architecture, unique cultural history, and bay and coral reef islands at the Rosario National Natural Park, the happy and spontaneous identity of its people makes Cartagena one of the most attractive cities within the Caribbean area.

With a complete tourism and conventions infrastructure, Cartagena has a natural appeal that makes it an ideal site for those wishing to visit an unforgettable place. Colombia's location at the northern edge of South America gives it several and relatively inexpensive air links to many cities around the world, not to mention sunny skies and warm sandy beaches!

POPULATION AND LANGUAGE

Colombia has a population of about 30 million, 70% living in cities and the rest in rural areas. The language is primarily Spanish, plus over 200 indigenous languages. English is widely spoken in the hotel and convention areas of Cartagena.

PASSPORTS AND VISAS

You will need a valid passport to enter Colombia. Visitors from Australia, New Zealand, the UK, USA, Japan and most European countries do not need a visa if staying for less than 60 days. For information on visas and other required travel documents, contact the Colombian Embassy or Consulate in your country.

ACCOMMODATIONS

Accommodations within 10-20 minutes' walking distance of the venue are available at specially reduced prices for conference delegates. Please fill in the hotel booking form attached with this Preliminary Program to book your accommodation. Hotel Caribe is the designated IAIA conference hotel.

CURRENCY

Local currency is the Colombian peso. The Colombian peso exchange rate is currently about 2,000 to 1 US dollar. Exchange offices are located at the airport, in the old town and in the Bocagrande area (around Hilton, Caribe and Almirante hotels).

SAFETY

As in all major cities, practice common-sense safety precautions: avoid carrying large amounts of cash or valuables, be aware of your surroundings and go out in groups whenever possible, keep track of your belongings.

CLIMATE

At sea level (in Cartagena) the temperature is tropical year-round. Expect hot days, around 30°C/86° F, and warm breezy nights. Lightweight cotton or linen clothing and an umbrella are recommended.

ELECTRICITY SUPPLY

Colombia's electrical current is 110V, 60Hz.

ACCESS AND TRANSPORTATION

To Cartagena: Avianca has daily flights from Miami. From other points: either through Barranquilla or through Bogota. American and Avianca fly to Barranquilla from Miami; there are also some direct flights from Europe. Barranquilla is located 100 km from Cartagena; taxi fare is about US\$75. To Bogota, most airlines have direct flights from the US, Europe, Mexico and South America, including Aviana, American, Iberia, Lufthansa, and Air France. From Bogota to Cartagena over 12 daily flights on national airlines such as Avianca, SAM and ACES are available. Flight time from Bogota to Cartagena is one hour. Depending on arrival time, most people will be able to connect without major layover time.

Taxi fare from the airport to any of the proposed hotels is about US\$6 (about 5-10 minute ride).

From any of the four suggested hotels to the convention center, taxi is about US\$1.50 and less than a 5-minute ride. From the Santa Clara Hotel to the convention center is a 10-minute walk. From the other hotels, the walk is about 15-20 minutes.

AIRPORT TAX AND BAGGAGE

Airport exit tax in Colombia for international travel is currently US\$46.

FOR MORE INFORMATION

Click the links on **IAIA's Web site** under **Conference** for additional interesting and useful information on Colombia and Cartagena!

IAIA'01 REGISTRATION FORM

Delegate Information (please type or print cle	early)		roday's date		
☐ Mr ☐ Ms ☐ Dr Title			IAIA Member ID#		
First name			Last name		
Organization					
Address			City		
State/Province Po	stal code		Country		
Phone + Fa.	x +		E- mail		
Regular registration (1 January—28 February)			Payment method		
 □ IAIA member* □ Non-member* □ Renew my IAIA membership for another ye □ Student 	\$450 \$ \$530 \$ ar \$325 \$	\$	☐ Check or money order in US\$ drawn on a US bank enclosed☐ VISA☐ MasterCard☐ USA☐ Check or money order in US\$		
Late and on-site registration (after 28 February)					
☐ IAIA member* ☐ Non-member* ☐ Renew my IAIA membership for another ye	\$550 \$ \$630 \$ ar \$350 \$	\$	↑ Card # Expiry date →		
			Authorized signature		
Accompanying person	\$250 \$		Send registration and payment to:		
Name Pre-meeting courses			IAIA International Headquarters 1330 23rd Street South, Suite C Fargo, ND 58103 USA Fax +1.701.297.7917		
□ 2. Using IA & Strategic Planning (May	+27) \$400 \$ +27) \$400 \$ +27) \$400 \$ +27) \$400 \$	\$ \$ \$ \$ \$	Questions? +1.701.297.7908 info@iaia.org Registration fees and attendance All meeting participants, including delegates, session chairs, speakers, and exhibitors, are required to register at the full or student registration rate. IAIA has no funds to sponsor participation. Accompanying persons registration does not include attendanc e a sessions. All participants will receive a name badge upon checkin. The badge is an official pass and must be worn to obtain entry		
Special Workshops/Sessions			to meeting functions. Tickets may be required at some events and will be distributed at check-in.		
☐ Multilateral Day Workshop (Ma (free of charge to IAIA'01 participants)	y 27) \$50/NC \$ y 27) \$50/NC \$		* The non-member rate automatically registers you for a one-year membership to IAIA. If you are already a member, and it is more convenient for you to pay your annual membership dues at the same time you register for the annual meeting, please check the		
Technical Visits			membership renewal box and pay the non-member rate. We will credit your account as having paid your annual 12-month dues		
☐ B. Isla de Salamanca Mangroves (May	y 28) \$50 \$ y 28) \$50 \$ y 28) \$50 \$	\$	which will begin on your regular membership anniversary date. If you pay the member rate, you will receive an invoice for membership dues on your regular membership anniversary date.		
Awards Luncheon			Payment and refunds		
☐ I plan to attend the Awards Luncheon (June ☐ Accompanying person will attend the Lunch ☐ I need additional tickets: # @ \$25.00	heon NC 0 \$25/ea. \$	NC NC	Registration fees should accompany this form. No registration will be processed without payment unless arrangements are made with the International Headquarters (HQ) before 1 April. Registration confirmations and receipts will be issued by mail. No official receipts will be issued onsite at the conference.		
TOTAL REGISTRATION FEE	\$		IAIA will refund registration fees if written notice of cancellation is		
Please contact me/my organization about	these opportuni	ties:	received in the HQ before 1 April 2001; the refund will be issued following the conference. A US\$50 processing fee will be retained. After 1 April, no refunds will be issued for cancellations or no-		

shows. Substitutions may be made in writing without penalty. IAIA has no insurance for cancellations; participants are asked to ar-

range this on their own behalf if necessary.

Note that multiple events take place on some days. Please ensure you have registered for only one event per day!

Please contact me/my organization about these opportunities: ☐ How to provide sponsorship for IAIA delegates or meeting events

☐ Exhibit or booth space

INDIGENOUS SCHOLARSHIPS CRITERIA

If we are successful in procuring funds to support the budget proposed, IAIA will be able to provide full or partial scholarships to 25+ indigenous participants to attend IAIA '01, with a capacity-building workshop to be held in Cartagena, Colombia. In accordance with donor organization stipulations, and our goal of increasing the participation of indigenous representatives from the region, scholarships would be available for approximately 20 Latin American/Caribbean indigenous representatives, and for approximately 5 indigenous representatives from outside the Latin American/Caribbean region.

In selecting the Latin American and Caribbean region indigenous representatives to receive scholarships, we will strive for a diverse geographic representation of tribes from across the region. All recipients shall be indigenous representatives of individual tribes, or of local or regional tribal federations. Individuals meeting the following criteria will be given the highest consideration:

Experience/Background

- [a] Individual is currently directly involved in environmental impact assessment (EIA) processes as a representative of their indigenous community or indigenous organization in their region.; or
- [b] Individual will be directly involved in EIA in the near future.

Need

[c] Individual will benefit from educational workshop and dialogue addressing indigenous participation in environmental assessment processes based on their direct role/ responsibility for representing their tribe or tribal organization in EIA in their local area, currently, or as anticipated in the near future;

Aptitude for Learning and Leading

- [d] Individuals with demonstrated capacity to be both a learner and a leader, and to sustain the in-country capacity-building efforts; and the ability to integrate learning from the IAIA meeting/workshops to complement efforts being undertaken by his or her tribal group or organization
- [e] Individuals who share understanding that conflict resolution over resource development requires work in collaboration and/or cooperation teams.

Interest and Involvement in IAIA

[f] Individuals who have an interest in networking to sustain interest and involvement in impact assessment in the future and a willingness to promote ongoing training of impact assessment for a better understanding and implementation among indigenous peoples.

Deadline for application: 1 April 2001. Send resume and letter of application to IAIA International Headquarters (HQ).

About IAIA

The **International Association for Impact Assessment (IAIA)** was organized in 1980 to bring together researchers, practitioners, and users of various types of impact assessment from all over the world.

IAIA members number over 2,500 and reside in over 100 countries around the world. Regional IAIA Affiliates are active in Brazil, Cameroon, Central and Eastern Europe, Ghana, Japan, New Zealand, Nigeria, Ontario (Canada), Quebec (Canada), Senegal, and South Africa, and more are in the process of being formed.

IAIA involves people from many disciplines and professions; members are corporate planners and managers, public interest advocates, government planners and administrators, private consultants, policy analysts, university teachers and their students, community leaders, and individuals committed to environmental care.

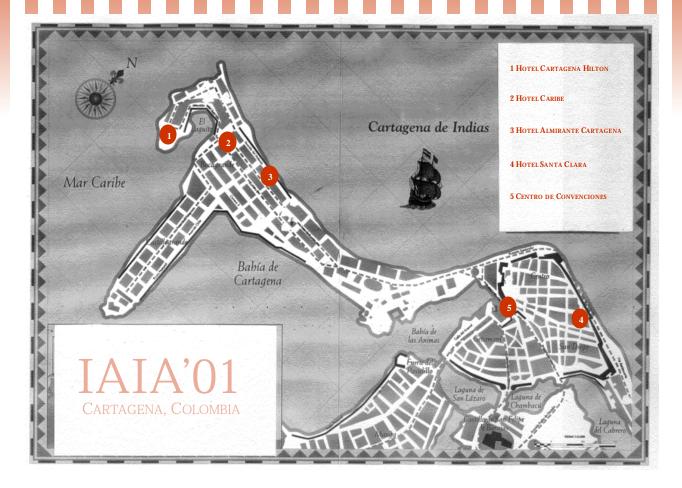
IAIA provides a non-political forum for the exchange of ideas and experiences, stimulating innovation in dealing with the consequences of development. IAIA's mission is to be a forum for advancing innovation, development and communication of best practice in impact assessment, and to promote the development of local and global capacity for the application of environmental assessment in which sound science and full public participation provide a foundation for equitable and sustainable development.

IAIA'01 Host

The **Colombian Ministry of Environment** was set up in 1993 and has the support of a strong team of professionals from diverse backgrounds: environmental science, chemical engineering, civil engineering, environmental engineering, hydrology, geology, chemistry, ecology, botany, zoology, marine biology and natural and social sciences.

EIA of IAIA'01

Following the suggestions of several IAIA members and the Board of Directors, at IAIA'01 the organization will begin implementing EIAs of IAIA's annual conferences. The idea is to have a core group of students under the guidance of an IAIA resource person(s) conduct the EIAs. Please contact IAIA Director Luis Sanchez (lsanchez@usp.br) if you have suggestions or would like to volunteer for the project.



IAIA'01 ORGANIZING COMMITTEE

CONFERENCE CHAIR

Gerardo Viña, Ministry of Environment, Colombia

TECHNICAL PROGRAM CO-CHAIRS

Juan David Quintero, The World Bank, USA
Juan Carlos García, National University, Colombia
Ernesto Sánchez-Triana, Interamerican Development
Bank, USA

TECHNICAL PROGRAM COMMITTEE

Ernesto Sánchez-Triana, Interamerican Development Bank, USA

Juan David Quintero, The World Bank, USA Leonard Ortolano, Stanford University, USA Juan Carlos García, National University, Colombia

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Nelson Bustamante, El Paso Energy, USA Nicole Carter, U.S. Congress, USA Paula Caldwell, Environment Canada, Canada Walter Vergara, The World Bank, USA



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ADDENDUM

New information since publication of the preliminary program Watch the Web site for further updates ...

Session Added

32. Environmental Legislation and Impact Assessment: Public Information and Participation in Urban EnvironmentThis session will:

- Share ideas and experiences in the various regions of the world on the role of legislation and institutions in environmental decision-making and impact assessment processes
- Share experiences on access to environmental information, public participation and justice within the context of urban environmental matters
- Discuss of the relationship among legal and institutional organizational matters in the decision-making processes related to the application of impact assessment, in particular in the urban environmental context

Session objectives include to further develop the links between environmental legislation, environmental management tools, and impact assessment in particular as instruments for integration of environment within economic sectors, especially the urban environment, and also encompassing environmental information, public participation and access to justice.

The concept of environmental legislation and impact assessment is taken on a wide scope integrating social and gender development.

CO-CHAIRS: JOSE-LUIS SALAZAR-MANEZ / NIGHTINGALE RUKUBA-NGAIZA

Transportation from Cartagena Airport to Hotels

T&CI Estrellas Ltda., the hotel/tour operator for IAIA'01, has informed us that they have an office at the airport and will offer transportation to the hotels.

By taxi: US\$8.00 per person By bus or van: US\$6.00 per person.

Please contact T&CI Estrellas Ltda. to book this transportation and/or to receive additional information. Contact information is on page 27.

CANCELLED: Training Course #9

Environmental Impact Assessment: A Potentially Powerful Tool for Indigenous Peoples