

CONFERENCE ~ PROGRAMME

PRE-CONFERENCE EVENTS

Saturday 21 August 2010

12:30 – 14:00 **ONYX**
 14:00 – 17:00 **NEC meets at CSIR**
StratPlan Meeting

Sunday 22 August 2009

08:00 – 08:30 **Registration for Training Course in Foyer of the CSIR ICC**
 09:00 – 17:00 **StratPlan meeting**
 09:45 – 14:00 **Technical visit: Meet at Gautrain MidRand Depot**
 14:00 – 17:00 **Pre-registration**
(No social event)

CRYSTAL

08:30-17:15	Biodiversity offsets Facilitators: Susie Brownlie and Amrei von Hase
08:30-08:45	Welcome and introduction of participants
08:45-09:00	What are the main questions that participants have about offsets?
09:00-09:30	Why biodiversity offsets?
09:30-10:00	Offsets in the mitigation hierarchy; offsets and no net loss/ net gain versus compensatory conservation; offset approach in SA
10:00-10:30	TEA
10:30-11:00	When are offsets possible and appropriate? Offsets in planning and impact assessment
11:00-11:15	Types of biodiversity offsets
11:15-12:00	Determining the size of offset; designing and locating offsets
12:00-12:30	Implementing and financing management of offsets
12:30-13:30	LUNCH
13:30 – 14:00	Introduction to group exercise
14:00 – 15:30	Group exercise, case study
15:30-15:45	TEA
15:45 - 16:30	Present and discuss case study
16:30 – 17:00	Discussion and conclusion
17:00-17:15	Course Evaluation and Closure

DAY ONE

Monday ~ 23 August 2010

07:00 – 08:25 Registration

SESSION 1 DIAMOND

08:25-09:40	Opening Session Chair: Mark Freeman
08:25 – 08:30	Welcome by Gauteng Chair Zanele Phoku
08:30 -09:00	Keynote address Nick King - <i>Can we have our planet and eat it too? - the role of IA in the 21st century</i>
09:00-09:20	Rod Bulman – <i>IAIAsa: The Way Forward</i>
09:20-09:40	Marita Thornhill and Stephen Stead – <i>The distilling of IEM: Conference rationale explained</i>

09:40 – 09:45 Break for parallel sessions

SESSION 2 DIAMOND RUBY ONYX/CRYSTAL/GARNET

09:45-10:45	SECTOR CAPACITY Panel discussion Chair: Angus Morrison-Saunders	SECTOR CAPACITY Roundtable Chair: Charl de Villiers	GREEN ECONOMY Panel discussion Chair: Willemien du Plessis
09:45-10:45	Francois Retief, Jos Arts, Theunis Meyer, Lize McCourt and Sean O’Beirne - <i>A critical reflection on the added-value of environmental assessment in South Africa</i>	Selwyn Willoughby, Nick King and Reuben Roberts - <i>Making biodiversity information from EIAs accessible and re-usable.</i>	Richard Summers and Peter Kantor - <i>Report back on the Environmental Law Association climate change seminar: the transformation of South Africa to a low-carbon economy and the role of climate change in environmental impact assessment</i>

10:45-11:15 TEA

SESSION 3 DIAMOND RUBY ONYX/CRYSTAL/GARNET

11:15-12:45	STRATEGIC Chair: Annarie Boer	SECTOR CAPACITY Chair: Carin Bosman	GREEN ECONOMY Chair: Benita de Wet
11:15-11:45	Maryam Aregbeshola - <i>Solid waste management in South Africa: a value chain approach.</i>	Tania Oosthuizen and Luke Sandham - <i>An evaluation of alternatives assessment in mining Environmental Impact Assessment reports in South Africa</i>	Jamare Jamare - <i>A conceptual approach to the application of environmental management systems to drive sustainable development goals</i>
11:45-12:15	Patrick Sithole - <i>The importance of environmental impact review during and after project completion.</i>	Adri Venter - <i>The environment: a human construct: the implications for sustainable development</i>	Yolandi Bezuidenhout – <i>Integrating environmental impact assessments into corporate industrial environmental management: Key considerations for lifecycle integration</i>
12:15-12:45	Tandi Breetzke, L Moore and H Jacobs - <i>An arranged marriage made in heaven? Linking policy and development planning</i>	Wildri Peach - <i>The development of a sustainable technology balance sheet: a generic method to assess the sustainability of renewable energy technologies</i>	Lorren Haywood, Deon Nel and Doug Trotter - <i>Addressing business from a social-ecological perspective to understand and deal with risk and resilience</i>

12:45-13:45 LUNCH

SESSION 4	DIAMOND	RUBY	ONYX/CRYSTAL/GARNET
13:45-15:45	SECTOR CAPACITY Chair: Ian Jameson	SECTOR CAPACITY Chair: Terry Baker	GREEN ECONOMY Panel discussions Chair: Susie Brownlie
13:45-14:15	Mmpoloki Pitlagano - <i>Environmental Impact Assessment, is it achieving its intended purpose – a case of Botswana</i>	Sean O’Beirne - <i>After the fat lady has sung – the need for compliance and enforcement in South Africa</i>	Francois Retief, Angus Morrison-Saunders, Jos Arts, Nick King and Lize McCourt - <i>Avoiding extinction - arguing the business case for environmental assessment in South Africa</i>
14:15-14:45	Mbali Mbhele and Luke Sandham - <i>The quality of EIA reports for housing developments in the Nkangala District of the Mpumalanga Province, South Africa</i>	Peter Teurlings and Mike Howard - <i>The environmental review of engineering designs</i>	
14:45-15:15	Bronwyn Williams and Luke Sandham - <i>The quality of the public participation process in South Africa measured against international best practice</i>	Annarie Boer - <i>Environmental management professionals - Indiana Jones or Bernie Madoff of sustainable development?</i>	
15:15-15:45	Tinyiko Malungani and Victor Mongwe - <i>Bridging the gap in respect of participatory integrated environmental management in the selected local municipalities of the Waterberg District, Limpopo Province</i>	Vicki King - <i>What can EAPs do for sustainability? The challenges and realities</i>	

15:45-16:15 TEA

SESSION 5 DIAMOND

16:15- 17:45	<i>Therapy Session – Francois Retief and Ilse Aucamp, therapists</i>
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17:45 Meet and Greet / Buffet dinner in deck area weather permitting

DAY TWO

Tuesday – 24 August 2009

07:00 – 08:00 **Early morning birdwalk in the Botanic Gardens close to CSIR – Margarita Krusche**

SESSION 6 **DIAMOND**

08.30-10:30	POSTER SESSION Chair: Michael Mangnall and Karen Shippey
08:00 -09:30	<p>Keagan Allan <i>Applications of GIS in EMF</i></p> <p>Yolandi Bezuidenhout <i>Utilising Environmental Impact Assessment methodology in developing criteria in evaluating the performance of waste management in protected areas, South Africa</i></p> <p>Dirk Cilliers <i>Land-use suitability modelling as a framework for spatial planning in Tlokwe Local Municipality, North-West Province, South Africa</i></p> <p>Phyllis Chooka and Adesola Ilemobade <i>Efficacy of effective microorganisms (EM) in the treatment of surface waters and municipal wastewaters</i></p> <p>Dave Cox and Catherine Pringle <i>Development of a model to support local government in the efficient and effective application of the environmental impact assessment process</i></p> <p>Deborah Engelbrecht and Kevin Mearns <i>Life Cycle Assessment of cyanide containers in Ghana</i></p> <p>Sibusisiwe Hlela <i>Purpose of the Environmental Management Framework 'a South African context'</i></p> <p>Carli Steenkamp, Ilse Jordaan and Francois Retief <i>Environmental Impact Assessment (EIA) follow-up in South Africa: Critical analysis of predictions and compliance for the Mooi River Mall case study</i></p> <p>Mabotha Manyaka <i>How to establish representative water management institutions – a case of the Limpopo Water Management Area</i></p> <p>Yonanda Martin and Graham Young <i>Visual impact assessment an important component of integrated environmental management plans and development planning</i></p> <p>Danielle Michel and Gerhard Gerber <i>Balancing stakeholder engagement within coastal management: a case study of developing coastal setback lines in the Western Cape</i></p> <p>Marita Thornhill, ID Janse van Vuuren and Rod Bulman <i>Environmental management framework for Richards Bay port expansion area and industrial development zone</i></p> <p>Alta van Heerden and Luke Sandham <i>EIA Report Quality: ECA vs NEMA - an exploratory analysis.</i></p>
09:30-10:30	Rod Bulman – IA/Asa: The Way Forward

10:30 – 11:00 **Tea**

SESSION 7 **DIAMOND**

11:00 – 12:30	<p>IA/Asa BUSINESS AGM and a decision on the Way Forward Paul Jorgensen – Natal students project Karen Shippey – Grab-an-Intern presentation Marlene Laros – Brief presentation on Registration Authority</p>
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12:30-13:30 **LUNCH**

SESSION 8	DIAMOND	RUBY	ONYX/CRYSTAL/GARNET
13:30-15:00	INTEGRATION Chair: Justin Bowers	INTEGRATION Chair: Jansie Cornelius	INTEGRATION Chair: Gerhard Gerber
13:30-14:00	Luke Sandham and Francois Retief – Reflections on the value of environmental impact assessment to decision making for complex activities	Chrizette Neethling – Integrating the backside of development upfront	Richard Summers – A critical analysis of the interface between spatial planning and environmental planning: reassessing the traditional role of development planning in the context of integrated environmental management
14:00-14:30	Stephanus J. van Wyk - Responses to constructs of corporate environmentalism in JSE listed mining companies	Warrick Stewart, B Reeves, A Kamineth, J Miller, J Mkosana and S Beattie – Integrating environmental priorities into multi-sectoral land-use plans at a local level: key lessons from the Eastern Cape Province	Charlaine Baartjes - The driving force most likely to shape South Africa's future
14:30-15:00	Selwyn Willoughby and Reuben Roberts – SANBI's Biodiversity Information Policy Framework: a mechanism to facilitate free and open access to information	Timothy Hart, Allison Burger, Briony Liber, Tandi Reilly, Raoul de Villiers, Vuyo Matshikiza, Andrew Hart and Amina Ismail – Environmental and social impact assessment with sustainable and integrated management in mind	Kevin Winter and Raymond Siebrits - The Birkenhead 'drill' revisited: implications of the Master Plan for the future of the Birkenhead Township, Gansbaai

15:00 – 15:30 TEA

SESSION 9	DIAMOND	RUBY	ONYX/CRYSTAL/GARNET
15:30-16:30	INTEGRATION Workshop	INTEGRATION Workshop	STRATEGIC Panel discussion Chair: Amanda Britz
15:30-16:30	Michelle Audouin and Benita de Wet - Diving into Complexity in Environmental Assessment and Management Please see description on p (vii) below	Anique Greyling, Justine Sweet and Brenda Daly - Using web based technology as a tool for improved public participation and data sharing Please see description on p (viii) below	Gerhard Gerber, Paul Hardcastle, Ayub Mohamed, Anthony Barnes, Chris Rabie, Marek Kedzieja - Planning and EIA in South Africa: the challenge of alignment

16:30 -16:40 Break to move to Diamond for IAIAsa Premium Awards Presentations

SESSION 10	DIAMOND
16:40-17:40	IAIAsa 2010 Premium Awards Presentations Chair: Tim Knights

19:30 for 20:00 Gala Dinner in the CSIR ICC dining room

DAY THREE

WEDNESDAY – 25 AUGUST 2010

SESSION 11	DIAMOND	RUBY	ONYX/CRYSTAL/GARNET
08:00-10:00	STRATEGIC Chair: Pat Jennings	STRATEGIC Chair: Ilse Aucamp	INTEGRATION Workshop
08:00-08:30	Charl de Villiers - <i>Putting the ecosystem approach to work: The Langtouw River pilot study, Southern Cape</i>	Paul Jorgensen - <i>Mapping ecosystem goods and services for the Msunduzi Municipality's environmental management framework: limitations, applications and alternatives</i>	Francois Durand, Herco Scheepers and Carin Bosman - <i>Dealing with acid mine drainage: integrated impact assessment and management for future developments in (potentially) affected areas</i>
08:30-09:00	Hans King - <i>Limitations on river and wetland rehabilitation projects undertaken by the Department of Agriculture: Western Cape</i>	Gerard van Weele - <i>Is the end of EMFs in sight?</i>	
09:00-09:30	Maretha Alant - <i>The contributions and limitations of strategic planning tools and interventions towards achieving conservation outcomes in priority natural areas around the Garden Route National Park</i>	Marius Marais and Francois Retief - <i>The quality of Environmental Management Frameworks in South Africa</i>	
09:30-10:00	Michele Kilbourn Louw and Tom Ferreira – <i>Corporate Environmental Responsibility: Uranium mining for cleaner energy and economic growth in an area of unique scenery, biodiversity and tourism</i>	Jos Arts - <i>Streamlining Impact Assessment for Infrastructure Planning in the Netherlands</i>	

10:00 – 10:30 TEA

SESSION 12	DIAMOND	RUBY	ONYX/CRYSTAL/GARNET
10:30-12:00	STRATEGIC Chair: Keith Wiseman	STRATEGIC Chair: Luke Sandham	STRATEGIC Chair: Tim Hart
10:30-11:00	Gillian Maree, Gerard van Weele, Janet Loubser and Budu Manaka - <i>Development of green servitudes tool for Gauteng</i>	Reece Alberts - <i>Biodiversity Offsets: is there a legal mandate?</i>	Mauritz Naude - <i>Decontextualisation of historic sites and buildings</i>
11:00-11:30	Louise du Preez and Francois Retief – <i>Integration of Conservation Planning with municipal decision making – The Gauteng C-Plan experience</i>	Andrew Husted, Mia Ackermann, Charles Wells and Gregory Ovens - <i>The management of biodiversity in areas associated with mining through the application of a GIS based, integrated Biodiversity Land Management Plan (BLMP)</i>	Andy Blackmore - <i>Who is subservient to whom: South African Cultural Legislation and others v South African Criminal Legislation?</i>
11:30-12:00	Heidi van Deventer - <i>Generating alternative alignments in terrain suitability studies for environmental impact assessments of linear developments</i>	Carli Steenkamp and Francois Retief - <i>Critical analysis of land use management mechanisms for securing biodiversity off-sets</i>	Hein Pienaar - <i>Integration and decision making challenges: a critical look at the need for integration at all levels during an EMF process (Cradle of Humankind World Heritage Site - COHWHS)</i>

12:00-12:05 Break for next session

SESSION 13	DIAMOND	RUBY	ONYX/CRYSTAL/GARNET
12:05-13:00	INTEGRATION Workshop	STRATEGIC Roundtable Chair: Kevin Winter	STRATEGIC Workshop
12:05-13:00	Nick King, Sandy Heather, Ilse Aucamp, Nobuntu Mazeka, Sinegugu Zukulu and Nonhle Mbuthuma - Hearing the unheard - community voices and values in EIA processes Please see description on p (ix) below	Jon Smallie (presented by Luke Strugnell) and Lucian Burger and Hanlie Liebenberg-Enslin - Cumulative Impacts	Susie Brownlie, Andy Blackmore and Francois Retief - Offsets or 'upsets': where are we going with biodiversity offsets in South Africa? Please see description on p (ix) below

13:00-14:00 LUNCH

SESSION 14	DIAMOND
14:00-16:00	Closing Session Chair: Stephen Stead
14:00-14:30	Madeleine Oosthuizen - Environmental impact assessment and management strategy for South Africa
14:30-16:00	Nick King (Chair), Susie Brownlie, Lize McCourt, Ilse Aucamp and Richard Summers - List of key issues and define essence of EIM (Preceded by short feedback session on Key IEM Issues distilled during conference paper and panel sessions)

16:00 TEA & DEPARTURE

WORKSHOPS

SESSION 9	DIAMOND
INTEGRATION 15:30-16:30	<p>Michelle Audouin and Benita de Wet - Diving into Complexity in Environmental Assessment and Management</p> <p>General introduction to complexity theory and its application to EA&M The session will commence with a brief orientation of the participants to the subject of Complexity Theory. This orientation will be provided by Michelle Audouin, based on the work of Paul Cilliers who is a leading researcher in complexity theory both locally and internationally. Michelle studied Paul's work as a central part of her doctoral thesis.</p> <p>Working session in groups (or plenary depending on size of group) This session will begin with a brief presentation by Benita de Wet of opportunities and constraints to the incorporation of complexity into EA&M identified in an interview process that was conducted by Benita and Michelle. Thereafter participants will be requested to review these and add if needed. The focus however, will be on identifying suggestions for tools and approaches that can be used to incorporate complexity thinking and concepts into EA&M. Participants will either do this work in small groups or in plenary depending on the size of the group. In particular, the groups will be asked to focus on ways in which EA&M can improve consideration of the environment as a complex and integrated social ecological system rather than as separate social, ecological and economic components. Finally, the responses of each of the groups will be shared in plenary with the other participants.</p> <p>Expected outcomes:</p> <ul style="list-style-type: none"> • Sharing perspectives and insights on applying Complexity Theory in practice. • Increasing the ability of practitioners to include the understanding provided by complexity theory into their work. • Feedback to the CSIR research team regarding practical mechanisms for applying complexity theory in EA&M.

**SESSION 9
INTEGRATION
15:30-16:30**

RUBY

Anique Greyling, Justine Sweet and Brenda Daly - *Using web based technology as a tool for improved public participation and data sharing*

The Endangered Wildlife Trust (EWT) is currently involved in two projects where web based technology is utilised in order to facilitate capacity building and data sharing during the Environmental Impact Assessment (EIA) process. In a workshop-based discussion, we would like to critically explore this technology as a tool for achieving sustainable development, proper public participation and information sharing. The two projects are:

1) Capacity Building

The EWT is often approached by civil society seeking guidance on their rights, responsibilities and opportunities to participate in the EIA process. In response to this clear need the EWT developed its EIA Toolkit. This interactive web based guide is aimed at assisting civil society in understanding and participating in the EIA process. The toolkit includes, process flow charts, answers to frequently asked questions, document templates, general and targeted information, practical tips, case studies, sections on how to consider biodiversity and other environmental concerns in the EIA process, as well as some expected impacts associated with activities listed in terms of the EIA Regulations. The EWT has previously presented its EIA Toolkit at IAIA. However, in light of this clear need for guidance on the mining process and the proposed changes to the EIA legal regime, we are currently in the process of revamping and expanding the EIA Toolkit making it more user-friendly, amending the general content to bring it in line with the proposed changes and to include a new section specifically focusing on mining. The main aim of the revamped Toolkit, which will be presented at the workshop-based discussion, is to provide Interested and Affected Parties (civil society) with the necessary knowledge, information and practical tips to be able sustainably to participate in and comment on general development applications as well as mining applications.

2) Data Sharing

The EWT is often approached for information by consultants conducting EIAs. The system developed by the EWT requires that such consultants enter into data-sharing agreements whereby they may use relevant data provided that they upload their final report onto the system. The information from these EIA reports can be archived for long-term access through a web-based facility enabling enhanced integration into Red-listing, biodiversity planning and other applications, and the production of best practice guidelines and lessons learned documents which will assist in establishing and fostering 'SANBI EIA Biodiversity Data Publishing Facilities' in other regions and thematic areas.

This workshop will include a hands-on demonstration followed by an opportunity for participants, from various stakeholder perspectives, to provide input to the tools in order to critically consider and assess them by evaluating, amongst other things, their general user friendliness and accessibility for all stakeholders and the opportunities and challenges they present for public participation and data sharing.

**SESSION 11
INTEGRATION
08:00 -10:00**

ONYX/CRYSTAL/GARNET

DEALING WITH ACID MINE DRAINAGE: INTEGRATED IMPACT ASSESSMENT AND MANAGEMENT FOR FUTURE DEVELOPMENTS IN (POTENTIALLY) AFFECTED AREAS

Acid mine drainage (AMD) from proposed, existing and defunct mines poses a significant threat to human health and the environment, and has to be considered in any impact assessment for developments that could potentially contribute to AMD, or be affected by AMD.

This workshop aims to focus on practical considerations for the EAP conducting such impact assessment. Following three short (10 minute) presentations, participants will discuss some solutions to address the effects of AMD on future developments.

Presentations:

1. Francois Durand: *AMD on the Witwatersrand: Historic Overview of causes, and effects of AMD on humans, the environment, geology and palaeontology*
2. Herco Scheepers: *Legal Responsibilities and Liabilities for AMD*
3. Carin Bosman: *The effect of AMD on communities and considerations in public participation with affected communities and measures to address the effects of AMD*

Discussions:

- How to identify and predict potential effects of AMD on future developments
- How to evaluate and mitigate biophysical, social, and other relevant effects of AMD
- How to influence decision-making to prevent the effects of AMD

**SESSION 13
INTEGRATION
12:05 – 13:00**

DIAMOND

Nick King, Sandy Heather, Ilse Aucamp, Nobuntu Mazeka, Sinegugu Zukulu and Nonhle Mbuthuma - *Hearing the unheard - community voices and values in EIA processes*

No development planning will be sustainable until the affected communities are truly part of the whole process and the contributions that they make are recognised as valid and inform the final 'product'. Whilst this principle appears commonly recognised today, the 9th meeting of the UN Permanent Forum on Indigenous Issues recently (April 2010) resolved that:

"...despite this recognition, indigenous cultures have been damaged more often than not by development policies that ignore their traditional sources of knowledge and cultural priorities and fail to respect their land rights. Development policies that take into account indigenous peoples' culture and identity can be beneficial not only to indigenous peoples, but also for Member States and developing countries in particular."

Do we as IA practitioners know how to do this or is it still merely lip-service to the voiceless? Let us listen to a group of rural I&APs in two high profile EIA processes. Were the Public Participation Processes adequate? How well have the local issues and concerns actually been heard and cultural differences accommodated? Is simply translating Western development concepts into local languages really sufficient or do we as practitioners, consultants and government officials have to reach beyond our own belief systems and enter those of others? Can we suspend (or even recognise) our culturally ingrained value judgements in order for the process to hold greater integrity? How well does the local view of 'sustainable development'

"...a process in which a community of people strives to make it possible for all members to satisfy their basic human needs and enhance the quality of their lives without damaging the environment "

match that of those imposing the development options and decisions? Are we seeking sustainability or enforcing cultural 'development imperialism'?

This workshop will be an interactive session, facilitated by members of Sustaining the Wild Coast, including amaMpondo Wild Coast residents, who will attempt to test our assumptions on common world views. The outcomes from the workshop are also intended to form the first step towards a South African contribution to the Indigenous People's session at the 2011 IAIA annual conference in Mexico.

**SESSION 13
STRATEGIC
12:05 – 13:00**

RUBY

Susie Brownlie , Andy Blackmore and Francois Retief - *Offsets or 'upsets': where are we going with biodiversity offsets in South Africa?*

All participants will help to identify and prioritize the key issues and challenges related to biodiversity offsets. The workshop will then break into small groups to identify and discuss possible solutions, before presenting their findings to the bigger group. The workshop will end with broad discussion and capturing of optimum ways to address 'upsets' in implementing 'offsets'. Representatives from the different provinces will give their particular perspectives.