

Training Course Proposal

Tuscany, Italy

**Prepared for: International Association
for Impact Assessment**

Proposal Ref: IAIA 2015

Date: September 2015

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Proposal Approval & Revision Record

| Project | | Training Course Proposal | | |
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| 001 | September 2014 | Marc Blanchè Principal Consultant | Dr Ian James Director | Dr Ian James Director |
| | | | | |

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1 Basic Information

1.1 Introduction

WardKarlson Consulting Group (WKC) is pleased to submit a proposal in order to undertake a training workshop at the International Association for Impact Assessment (IAIA) Conference in Tuscany, Italy in 2015. WKC has extensive experience in air quality related issues at international level, and in particular, has a clear understanding of undertaking air quality impact assessments as part of the Environmental Impact Assessment Process (EIA). A brief outline of WKC, our team and approach is provided on the following pages.

1.2 About WKC

WKC brings together leading Environmental Consultants from around the world to provide our clients with significant capability for the delivery of environmental studies, whether for internal purposes, governmental approvals, or new project financing.

Our team has an extensive track record of providing credible, accurate and objective analysis and strategic advice with a focus on maximising value for our clients by delivering environmental studies with their intended function or purpose in mind. We offer a full range of environmental services including:

- Air quality impact assessment
- Noise and vibration assessment
- Best Available Techniques (BAT) assessment
- Carbon foot printing
- Oil spill and marine modelling

WKC is active globally with key clients in the Middle East region, Western Europe, Africa and the Far East. We operate from two principal offices located in the UAE and South Africa.

For further information please visit www.wkcgroup.com.

1.3 Basic Training Information

A summary of the basic course information in Table 1-1 below.

Table 1-1 Summary of the Basic Information

| | |
|--|--|
| Course Title: | Understanding Air Quality Impact Assessments: <i>What EIA Practitioners and Environmental Managers Need to Know...</i> |
| Level: | Foundation |
| Prerequisites: | None |
| Language of delivery: | English |
| Duration: | 1 Day |
| Maximum Number of Participants | 70 |
| Is each participant required to bring his/her own laptop? | No laptop required |

A summary of the course presenter information is provided in Table 1-2 below.

Table 1-2 Summary of the Basic Information

| Name | Contact Number | IAIA Number |
|--------------------|-----------------------|---|
| Dr Ian James | +27329460561 | 3194 |
| Mr Marc Blanché | +27329460561 | 2731 |
| Mr Tristan Coleman | +27329460561 | Non Member (in process of joining IAIASA) |

2 Section 2 – Course Description

2.1 Course Summary

Who should attend: Current or aspirant EIA practitioners in the public and/ or private sector, specifically persons responsible for undertaking and managing EIA's. Intending participants should have knowledge of the basics of the EIA process, however no formal training or qualification in air quality is necessary.

Course Outcomes: The course provides delegates with the skills required to evaluate and incorporate the findings of air quality impact assessments into the greater EIA process. The training will provide essential knowledge for the effective identification of air quality issues facing existing and future developments with particular emphasis on Bank Financed Projects (particularly the International Finance Corporation (IFC) Guidelines and Performance Standards). In addition the training aims to provide candidates with an understanding of the fundamental basics of air quality impact assessment, as well as the significance and implications of Project noncompliance on Project Finance and Equator Principal Finance Institutions (EPFI's) lender expectations. The course will cover the following topics:

- Air Quality Fundamentals
- Introduction to International Air Quality Legislation (European Union (EU), IFC, World Health Organisation (WHO))
- Baseline Assessment: Air Quality Monitoring
- Impact Assessment: Air Dispersion Modelling
- Significance of Air Quality Impacts in the EIA Process

2.2 Course Structure and Content

An outline of the course content is provided in Table 2-1 below.

Table 2-1 Course Structure and Content

| Session | Component | Description | Lecturer |
|------------------|--|--|--------------|
| Session 1 | Air Quality Fundamentals | Introduction to air pollutants and their characteristics – includes classification of pollutants, sources and sinks and the chemistry of urban atmospheres | Dr Ian James |
| Session 2 | Introduction to International Air Quality Legislation (EU, IFC, WHO) | Legislative and regulatory context – overview of International legislative environment with emphasis on | Marc Blanche |

| | | IFC Requirements | |
|------------------|--|--|-----------------|
| Session 3 | Baseline Air Quality Assessment | Air quality and meteorological monitoring – provides overview of monitoring methodologies and available technologies in addition to the application of such to meet specific objectives and the design and implementation of monitoring networks as part of the EIA process. | Tristan Coleman |
| Session 4 | Impact Assessment through Air Dispersion Modelling | Air Dispersion Modelling – gives an overview of types of models used for impact assessment ranging from long-range trajectory models to urban airshed modelling | Tristan Coleman |
| Session 5 | Significance of Air Quality Impacts in the EIA Process | Provides an understanding of what constitutes a significant impact, and how this translates into the EIA process, and the implications on Project Finance | Dr Ian James |

The course will include a number of case studies focusing on the oil / gas and mining sectors and will include capital investment projects of over 10 billion US dollars undertaken in accordance with the IFC guidelines and Performance Standards. WKC will be able to tailor the content of the course in line with the IAIA's expectations or member demand, in order to discuss topics that might be of interest to the audience. The only requirements for the training will be access to an overhead projector and screen. All three trainers will be registered for the full IAIA conference to allow for interaction and communication with the participants upon course completion.

3 Qualifications of the trainer(s)

3.1 Proposed Training Team

Dr Ian James

Dr Ian James is a WKC Group Director with extensive experience of ESIA and air quality assessments for major oil & gas, petrochemical, power and mining developments, particularly within developing countries. Dr James has advised on environmental matters both for new developments seeking financing and on behalf of financing parties including Barclays, SACE and Abn Amro. Dr James has an international track record, having advised on projects located in over 20 countries, including Libya, Egypt, Tanzania, Equatorial Guinea, Ghana, South Africa, UAE, Qatar, Jordan, and Saudi Arabia, with particular focus on all aspects of oil & gas production / refining, and petrochemicals. Ian has also held key roles in ESIA studies for major projects in the UK, Caspian Region, Middle East and South Africa, and has over 17 years' experience in air quality and 13 years' experience in ESIA. Dr James has extensive experience in training and delivery of workshops, including five years as a part time lecturer on the topic of atmospheric chemistry at the University of Northumberland in the United Kingdom, air quality training for over 50 industry and government delegates in Qatar, and two Air Quality training workshops held in 2012 and 2014 on behalf of the IAIA South Africa.

Tristan Coleman

Mr Tristan Coleman, a Director at WKC Group, has more than 12 years' experience working primarily as an environmental consultant to private sector clients, as well as within a regulatory capacity for the public sector. Tristan's technical background lies within the field of air quality and ESIA. Tristan has a proven track-record in providing technical services to the upstream and downstream oil and gas, petrochemical and heavy industry sectors in the Middle East and international markets. Tristan is principally involved with offering air quality, greenhouse gas inventory and ESIA services for the permitting of Greenfield, upgrade and expansion projects both on and offshore. Tristan has an extensive track record in the delivery of air quality training including Air Dispersion Modelling training for Lukoil (Russia's second largest producer of oil), Gaz de France in Paris, and two air quality training workshops held in South Africa on behalf of the IAIA South Africa (in Durban and Cape Town). Tristan is located in WKC's Abu Dhabi Office.

Marc Blanche

Marc is an Air Quality Consultant with over 9 years experience in the research, consultancy and construction sectors. Marc completed his MSc (Applied Environmental Sciences) in 2005. Marc has worked as an Environmental Scientist on various projects within the Integrated Environmental Management Process, and has an excellent understanding of the local and international laws and regulations associated with these procedures. In 2008 Marc began his specialisation as an air quality consultant when he joined a multinational consultancy in Durban, and provided specialist input into various air quality and noise related projects. In 2010 Marc joined WardKarlson Consulting (WKC Group), an international

consultancy that specialises in air and noise and has particular focus on the Oil and Gas and mining industries. Marc is currently a principle consultant at WKC Group and leads a team of 5 dedicated air quality consultants. Marc has worked on projects in the UAE, Oman, Iraq, Egypt, Jordan, Saudi Arabia, Qatar, Democratic Republic of Congo, Nigeria, Tanzania, Kenya and South Africa. Marc holds certification with the South African Council for Natural Scientific Professions (Pr Sci Nat), and is also a member of the UK Institution of Environmental Sciences (IES). In addition Marc also holds memberships with the UK Institute of Air Quality Management (IAQM), International Impact Assessment Association (IAIA-SA) and National Association for Clean Air (NACA). Marc has been involved in the delivery of two air quality training workshops on behalf of the IAIA, held in Durban (2012) and Cape Town (2014), as well as the delivery of air quality training presentations and information sharing seminars at three other IAIA SA events.

3.2 History of Course Delivery

As noted earlier, our trainers have an extensive track record of training others, and we enjoy opportunities to share knowledge from our fairly extensive international portfolio of projects. We are also very committed to supporting the IAIA, where at a recent event in South Africa Dr James was 'highly commended' for his presentation on IFC Performance Standards.

We are also very active in supporting the IAIA on training opportunities. A summary of feedback of the previous IAIA training is outlined below. There were over 60 delegates at each of the IAIA Air Quality training workshops (Cape Town and Durban). We have attached copies of the formal correspondence and full CV's in Attachment A.

From: [Dave Cox](#)
Sent: Friday, October 19, 2012 6:53 AM
To: [Marc Blanche \(Marc Blanche\)](#)
Cc: [Andrea Murray-Rogers](#); [Danielle Michel](#); [Jess Brislin](#); [John Richardson](#); [Kate Leigh Strachan](#); [Kogi Govender](#); [Liz Allen](#); [Pippa Emanuel](#); [Rod Bulman](#); [Sabelo Nkosi](#); [Sue George](#)
Subject: Air Quality Event

Hi Marc

On behalf of the IAIA SA committee I would just like to thank the Wardkarlson team for putting on such a professional, well organised event last Friday. The content was very informative, pitched at the correct level and kept all participants really engaged as illustrated by the great discussion that took place. As mentioned on the day, it was an example of the type of event that what we are striving to provide for members in terms of meeting CPD qualification criteria.

As discussed, please could you:

1. Send a link to your website with the presentations loaded that we could circulate more broadly.
2. Send your attendance list that we could cross reference with ours to follow up on potential new members.
3. Please send any photos you may have taken. I have attached the few I took with my cell phone.

Ian indicated that you may want to run the event in Gauteng and the Western Cape. I am happy to assist in contact with those provinces when you are ready to do so.

Lastly, please pass on our thanks to Ian and the rest of your colleagues. We hope that this was the first step in a long term relationship.

Kind Regards
Dave

P.S Your mug holds a really good sized cup of coffee and the bottle opener was used over weekend. So spot on with the marketing goodie bag!

Dave Cox
IAIASa KZN – Chairman
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e-mail: dcox@inr.org.za




Figure 1 Email from IAIASa KSN Chairperson Dave Cox

COLLABORATION IAIAsaKZN & WardKarlson Air Quality Event shows how to do it

THE FIRST EVENT of the new IAIAsa calendar year was a roaring success. The WardKarlson Group hosted (and generously also funded) a very informative day that provided 70 plus attendees with fantastic insight and understanding into a wide range of aspects relating to Air Quality management



The event was held at the superb Braeside Wedding Venue in Ballito on Friday 12 October and was attended by 70 plus representatives from industry, local government and the environmental consulting sector. There was as usual also great involvement from the student branch (who says you can't rely on students?).

The presentations built understanding throughout the day -

starting with insights into the causes and types of air quality as well as the effects on people's health and well-being. We were then provided with an understanding of the legal framework, how the new Act it is being applied and by whom. Marc Blanche gave a run down on the application process, links to the EIA process and further sound advice was provided on the legal pitfalls and how to avoid them. Tristan Coleman explained the pros and cons of various modelling packages in projecting and assessing impacts of different types of pollution and their limitations within different environmental contexts. Dr Ian James then pulled the whole day together in the concluding presentation. Reference to case studies taken from examples of their work across the globe helped to make the sound technical information presented real and meaningful. The quality of such an event is often evident in the amount and diversity of the questions and dialogue - which in this case was significant and came from across the spectrum of sectors represented which indicated that the content was relevant to all.

The entire event was very professionally organised and run and represents a good example of what IAIAsa intend to provide in terms of CPD. The IAIAsa KZN branch would like to again thank the WardKarlson team for the collaboration and for generously funding the entire day. The presentations can be accessed at the following link <http://www.wkcgroup.com/>

Figure 2 Excerpt from the IAIA SA Newsletter

4 Commitment of the trainer(s)

The WKC team have delivered aspects of the training programme on at least 15 different occasions. To date none of the training courses organised by WKC have been cancelled. WKC has put forward three specialists, and in the event that one of the members is not able to attend, the remaining two specialists would be able to cover the content seamlessly. WKC has agreed to the terms regarding free places to students described in the “Student Participation” paragraph.

Attachment A



IAIASa Secretariat
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**International Association for Impact Assessment
South Africa**

Our Ref: SG/WC WKC IAIA15
Your Ref: IAIA15
Date: 15 September 2014

The IAIA15 Conference Chair
IAIA
International Headquarters
1330 23rd Street South, Suite C
Fargo, ND 58103-3705
USA

Attention: Bridget John

Dear Madam

IAIA15 : PRE CONFERENCE TRAINING COURSES

The IAIA Western Cape (WC) in conjunction with WardKarlson Consulting (WKC Group), recently held a workshop titled 'Introduction to Air Quality Management' to a sell out audience of over 60 consultants and industry representatives. The workshop which was undertaken in June 2014 provided essential knowledge for the effective management of air quality issues facing existing and future developments in South Africa and abroad.

The workshop also provided Environmental Assessment Practitioners & Managers with an understanding of the fundamental basics of air quality impact assessment, as well as the implications of the National Environmental Management: Air Quality Act, no 39 of 2004 and the Air Emission Licensing process. Session topics included:

- Air Quality Fundamentals
- Introduction to the Air Quality Act
- The Relationship between Atmospheric Emission Licenses and Environmental Impact Assessment
- Enforcement and Case Law
- Air Quality Monitoring
- Air Dispersion Modelling
- Significance of Air Quality Impacts in the EIA Process

The workshop was arranged by IAIA WC in association with WKC, with guest speakers from Dentons, the City of Cape Town and WKC representatives from their South African and the Middle Eastern offices. The

President: S George, Past President: P Sithole, Vice President: N Baloyi, Treasurer: J Mitchell, Secretary: R Luyt.
Members: D Michel, S O'Beirne, K Strachan, J Tooley. Branch Chairs: G Beyers, N Devenish, S Makhudu, E Monyai,
J Richardson, C Steenkamp, B Steytler, O Stotko.

training was received very well by the audience, and has been ranked by the IAIA Western Cape Branch Committee as the best event (in terms of content and attendance) for the 2013 / 2014 financial year.

The IAIA would like to thank the presenters Dr Ian James, Tristan Coleman and Marc Blanche from the WKC Group for their involvement in the training workshop

Some photographs taken at the event have been included below.



This event was also held in KZN in August 2012 with a record attendance of 75 and was considered a most professional, well organised and informative event (see correspondence attached)

Kind Regards



Sue George
IAIAsa President 2014/2015

Encl: KZN Chairman's report and e-mail of thanks to WKC

President: S George, Past President: P Sithole, Vice President: N Baloyi, Treasurer: J Mitchell, Secretary: R Luyt. Members: D Michel, S O'Beirne, K Strachan, J Tooley. Branch Chairs: G Beyers, N Devenish, S Makhudu, E Monyai, J Richardson, C Steenkamp, B Steytler, O Stotko.



IAIAsa KZN Branch Annual General Meeting

Chairpersons Report

Makaranga, Kloof, 15 August 2013

1 Introduction

This year IAIAsa has, in my view, more than ever been challenged by the question – what value is there in belonging to IAIAsa? This was apparent at the mid-term NEC meeting where branches raised various issues that are limiting their ability to provide much more than two or three events a year, with the annual conference being an event only the minority can attend. Comparisons were also made with other voluntary and professional associations in terms of what they provide, and IAIAsa came second in most of these assessments. The need for IAIAsa to be relevant and provide value to members is more relevant now than ever with the impact assessment component of the sector moving towards regulation under EAPASA, and growing competition amongst professional bodies to be recognised as providing membership that qualifies to undertake impact assessment. Another driver for improved professionalism is that IAIAsa is in the processes of registering as Non-Profit Organisation in terms of the companies act. This requires that we have in place certain processes and procedures required to report against the requirements of the relevant legislation.

I have reflected on this challenge throughout the report in discussing why I consider IAIAsa relevant and in particular what the KZN Branch has done during the past year to respond to this challenge. The branch does not operate in isolation and it is important to consider developments and progress at an NEC level during 2013.

2 Membership

Membership at the end of June stood at 168 members. We are the second largest branch along with the Western Cape who has similar numbers. Gauteng is the largest branch with just over 300 members. Membership would appear to have dropped in the last year as it stood in the region of 185 at same time last year. However, membership is run from national, and historically the accuracy has been very poor with the large numbers of people listed as members not actually being paid up. A significant development this year was the appointment of a full time administrator, Liz Warren. She has tightened up on processes and follow up with members so that figures are far more accurate.

At a branch level, Jess Brislin with assistance from John Richardson, has made personalised contact with lapsed members to establish their status and get them on board. The feedback has been forwarded to Liz to sort out any issues and has proved successful in further refining numbers. Accurate and efficient administration is a fundamental requirement in a professional organisation - and there has been a distinct improvement in this area this year, thanks to Jess, John and their collaboration with Liz. The aim is to further improve this by establishing a single date for renewal of membership. Many thanks to Jess and John.

So while numbers have certainly not grown, they are far more accurate and in terms of growing membership, I believe this will come with providing improved value and service to members as discussed further below.

3 Events

One of the most important services at a branch level is the organisation of events that are regular, relevant, and cater for the very diverse membership. The importance of events is also elevated by the need to show 'continued professional development' in terms of qualifications requirements set by EAPASA. The NEC has been engaging EAPASA about the organisation being a registered provider of CPD credits in terms of their requirements. This is further motivation to be an IAIAsa member. It was an aim of the NEC to develop IAIAsa CPD credit system. This has unfortunately not been achieved. In the absence of this system, KZN continues to provide certificates to members that records the events attended during the course of the year, and is the only branch that does so. Many thanks to Rod who developed the system for doing this and for Jess who pulled out the lists of attendees per event. Electronic copies of these certificates are available from Rod on request and we will advertise this to members. As an example, we would like present a certificate to the member who has attended the most events in the past year - Sue George.

The branch organised the following events during the year:

| DATE | TITLE | SPEAKERS | ATTENDANCE |
|---|---|---|------------|
| July 2012 (Durban) | AGM | Bruce Burger, Ryan Phelan and Mthandeni Zama | 45 |
| August 2012 (Ballito) | An Introduction to Air Quality Management in South Africa for Environmental Assessment Practitioner's and Managers | Dr Ian James BSc (Hons) PhD, WKC Director Tristan Coleman BSc (Hons) MSc, WKC Director Marc Blanché BSc (Hons) MSc, WKC Senior Consultant | 75 |
| November 2012 (Westville) | Mini Conference - Presentation of papers KZN representatives at the National conference. | Jessica Brislin, Dave Cox, Shoni Makhwedzha Sabelo B Nkosi, Chumisa Thengwa, Marita Thornhill | 35 |
| December (Spring Grove Dam - Midlands) | Spring Grove Dam Tour Presentations on Environmental aspects and challenges followed by a site inspection and Drinks/braai. | Kogi Govender and Ryan Phelan | 21 |
| February (Durban) | Independence Day Discussion regarding DEA ruling that specialists cannot be from same company as EAP. | Legal view and opinions from Corporate and Independent companies, I&APs, Applicants as basis for discussion | 30 |
| April 2012 (Pmb) | NGOS - towards improved understanding of their role within IEM sector | Bianca Morgan (McKelvey) WESSA, Andrew Venter (Wildlands), Jean Lindsay (KZN Conservancies Assoc) Doug Burden and Penny Rees (DUCT) | 30 |
| May 2013 (Durban) | "Managing our Water Footprint" Essential processes & new information to assist practitioners, managers & water users | Nyamande Tovhowani - DWA. Ian Bailey – Umgeni Water. Andrew de Villiers - Groundtruth. Bart Fokers – DUCT. | 28 |
| | | Total | 264 |

In terms of the need to offer regular events, we have offered seven this year which is two more than last year and averages out at about an event every month and half, if you take the conference month and Christmas out of the equation. This has certainly been an improvement from last year.

The range of topics has been varied from addressing burning issues such as independence to informative events such as the air quality event, and practical experiences such the Spring Grove tour hosted by TCTA. Different people attended the different events which is an indication that at some level that we are catering for the diversity of the membership.

Spatially we have tried to vary events along and between the main centres of Pietermaritzburg and Durban with Ballito being the one event held further North. The challenge remains to extend events to the outlying areas of the province – particularly the north (Richards Bay) and south coasts. We have also tried to address the fact that not everyone can attend events by making video recordings of those events that we felt were important to a large number of members, such as the Independence Debate. This is another example of how we are trying to broaden our coverage and add value to the service provided. We have also varied the timing from morning to afternoon and evening events.

An area we have improved from previous years is providing more advanced warning of events with 2-3 weeks provided in most cases, with follow up and reminders. This was definitely a weakness in the past. Advertising has been undertaken through email, but also through the Hadedu and at times sms. So we are trying to make use of all options available.

We have also used the Hadedu to provide a summary of the events for those who could not attend.

An important decision made half way through the year, in response to need to increase value to members, was that members will not be charged for events (the AGM being an exception). We felt it was important to increase the incentive to be a member.

We also decided that the AGM must be a 'kick arse' event every year. The committee has gone to great lengths to achieve that this evening - from having a dress code to the entertainment and getting in a high quality guest speaker. The fact that we have been oversubscribed for this evening suggests that we have made a good start towards achieving this goal.



WKC Group & IAIA sa KZN present

An Introduction to Air Quality Management in South Africa for Environmental Assessment Practitioner's and Managers

"This one day course provides the essential knowledge necessary for the effective management of the air quality challenges of both existing and future developments within a South African context and is intended to provide Environmental Assessment Practitioners and Managers with an understanding of the implications of the recent National Environmental Management: Air Quality Act, No 39 of 2004."

WORKSHOP AGENDA

- 08h30** Welcome Breakfast
- 09h30** An Introduction to Air Quality Management
Sources, sinks & health effects of common pollutants
- 10h30** Coffee Break
- 10h45** How the Government regulates air quality in RSA
What is required, and when?
 - Monitoring
 - Modelling
 - AEI's and EIA
- 12h45** Light Lunch
- 13h30** Air Quality Impacts
When is an impact considered 'significant' What can be done about it?
- 14h30** Air Quality Questions and Answers
- 15h00** Networking Opportunity

PRESENTERS

Dr Ian James *BSc (Hons) PhD, WKC Director*
Ian is an air quality specialist with a PhD in atmospheric chemistry and 17 years experience in the environmental consulting sector

Tristan Coleman *BSc (Hons) MSc, WKC Director*
Tristan is an air quality consultant with a background in environmental chemistry and 10 years experience in the international environmental consulting sector

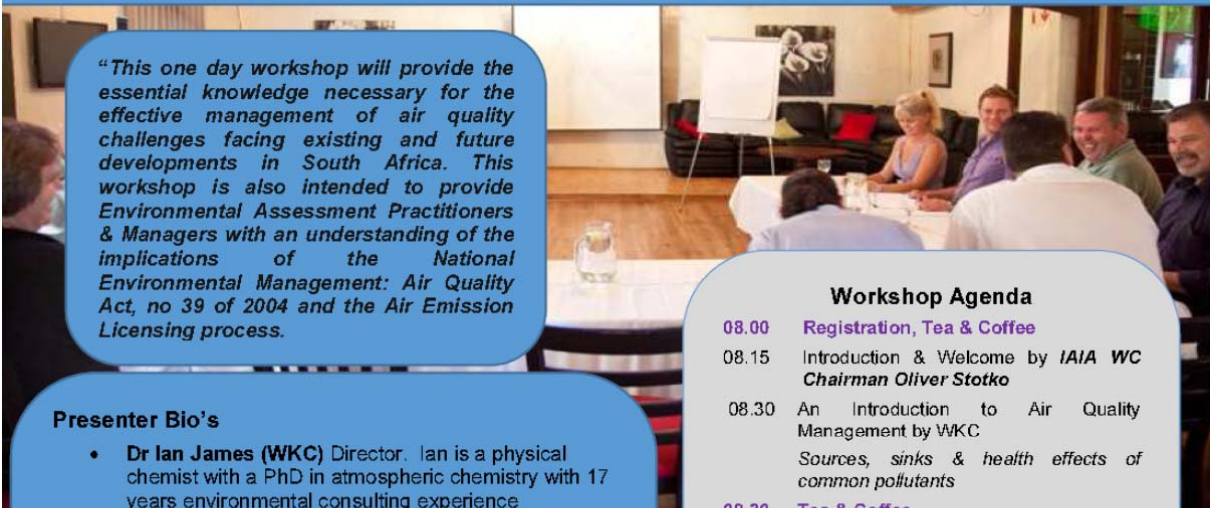
Marc Blanché *BSc (Hons) MSc, WKC Senior Consultant*
Marc is a Pr. Sc. Nat. Registered air quality consultant with 7 years experience in the environmental consulting sector

 **WKC** aims to assist clients in meeting their **environmental** and **sustainability** responsibilities, and in achieving **compliance** with the environmental legislative framework in which they operate. We have collectively over **50 years of experience** of delivering air quality assessments world wide, including **Monitoring Programmes, Emission Inventories and Modelling.**
Tel: 032 946 0461 Email: marc.blanche@wardkarlson.com www.wkcgroup.com



The IAIA WC in association with the WKC Group, Dentons, and City of Cape Town presents ...
AN INTRODUCTION TO AIR QUALITY MANAGEMENT
for Environmental Assessment Practitioners & Managers

26 June 2014, 08.00am - 15.00pm
The Hollow Tree Heritage Restaurant & Tavern, Unit 4, Oude Westhof Village Square,
Van Riebeeckshof Road, Oude Westhof, Bellville



"This one day workshop will provide the essential knowledge necessary for the effective management of air quality challenges facing existing and future developments in South Africa. This workshop is also intended to provide Environmental Assessment Practitioners & Managers with an understanding of the implications of the National Environmental Management: Air Quality Act, no 39 of 2004 and the Air Emission Licensing process.

Presenter Bio's

- **Dr Ian James (WKC)** Director. Ian is a physical chemist with a PhD in atmospheric chemistry with 17 years environmental consulting experience
- **Tristan Coleman (WKC)** Director. Tristan is an air quality consultant with a background in environmental chemistry with 14 years environmental consultancy experience
- **Marc Blanché (WKC)** Principal Consultant. Marc is a Pr Sci Nat Registered air quality consultant with 9 years' experience
- **Helen Bowdren (Dentons)**. Helen is a lawyer with 9 years' experience with law firm Denton's and has worked in the UK, Middle East and South Africa advising on all aspects of environmental law
- **Ian Gildenhuis (CCT)**. Ian has 26 years experience in local government and is the Head of the CCT Specialised Environmental Health Department

Workshop Agenda

- 08.00 **Registration, Tea & Coffee**
- 08.15 Introduction & Welcome by **IAIA WC Chairman Oliver Stotko**
- 08.30 An Introduction to Air Quality Management by **WKC**
Sources, sinks & health effects of common pollutants
- 09.30 **Tea & Coffee**
- 09.45 The Air Emissions Licensing Process (how where, and when) and the Link between AEL's and NEMA listed Activities / EIA's – **City of Cape Town**
- 10.30 Understanding the NEM: AQA – **WKC**
- 11.00 Monitoring & Modelling - **WKC**
- 11.45 Regulation of NEM: AQA & Case Law - **Dentons**
- 12.30 **Two Course Sit Down Lunch & Networking Opportunity**
- 13.45 Air Quality Impact – **WKC**
When is an impact considered 'significant'?
What can be done about it?
Terms of Reference for Specialist Input into EIA's
- 14.45 Air Quality Questions & Answers – **WKC, CCT & Dentons**
- 15.00 **End of Event**



Cost to attend: IAIA Members R50 Non Members R150

Please send payment to IAIA Western Cape, Standard Bank, Branch No: 02 00 09, Account No: 070 083 525 and Please RSVP to Lauren Jansen (lauren@sesc.net) by no later than **19th June 2014**. Please specify if you have specific dietary requirements. Your RSVP will only be confirmed upon proof of payment. **Please note that this event has limited seating capacity.**

Looking forward to an exciting, informative and thought provoking event with great networking opportunities.