

# The Hadedu

## SHEDDING SOME LIGHT

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**REGISTER NOW!**

**IAIASa 20th  
Annual Conference  
12-14 August 2015**



Sjoe... time goes fast when you are having fun. The end of May is insight, which only means on thing... the National Conference is just over two and a half months away! In a short eleven weeks, we will be flocking from all corners of the country to come together for a few days of networking, sharing and best of all, FUN!

For those diligent ones who have already registered for the conference, you will be fully aware of the unusual sideline activities that this years' big 20 national conference has to offer. Items ranging from an

**IAIASa chef competition and 'Happy Hour' to morning exercise 'excursions'.** There is no doubt that this will be a conference to remember.

For the not so diligent, a friendly reminder that early bird registration is only open until the end of the month - and an even more important note is that abstracts are due by the 5th of June (tick-tock!). Also important to remember that this years conference offers various types of presentation formats. So if you are tired of Power-Point style presentations,

why not opt for something different such as Round Table, Working Group, Citizens Jury or World Café styled sessions. To find out more about the session formats on offer visit

[www.iaiasaconference2015.co.za/downloads](http://www.iaiasaconference2015.co.za/downloads).

To shed even more light on conference happenings, check out page 5! Speaking of light, or in our case the lack there of, page 2 and 3 has a interesting read regarding our countries crisis. And on that ominous note ... see you in 11 weeks!

*Wouldn't you rather be here?*



If you are a tweeter, please follow the twitter handle @IAIASa\_2015 and tweet to #IAIASa2015Conference. If you prefer to scribble on walls, like our National and Provincial Facebook pages and join the Conference event page.



# THE "L" WORD

It's those two, four or even six (un)scheduled hours a day that we all despise. And they always seem to kick in JUST as you were about to make that much needed cup of coffee, or JUST before you needed to print that oh so important document. I am sure it needs no introduction... Loadshedding.

We can banter on about Eishkom until we are blue in the face, but that's not going to solve the problem. So let's shed some positive light on this rather dull situation and ask ourselves - what is the alternative?

In my mind, the answer is clear - renewable energy. However, some question the financial viability of such energy sources. To shed some light on the debate, the Council for Scientific and Industrial Research (CSIR) conducted a study earlier this year to determine the financial benefits of renewables.

The media release entitled "2014 sees financial benefits from renewable energy exceed costs in South Africa" (21 January 2015), demonstrates the main outcomes of the study. The article opens by indicating that **"...renewable energy from South Africa's first wind and solar (photovoltaic) projects created R0.8 billion more financial benefits to the country than they cost during 2014"**. This is elaborated to demonstrate that such benefits were earned due to the following two reasons:

1. R3.64 cost savings for not using coal and diesel fuel, due to its replacement by 2.2TWh (terawatt-hours) of solar and wind energy
2. R1.67 saving due to avoiding 117

hours of "unserved energy" as a result of the contribution of renewable energy

*"Therefore, renewables contributed benefits of R5.3 billion in total (or R2.42 per kWh of renewable energy), while the tariff payments to independent power producers of the first wind and photovoltaic (PV) projects were only R4.5 billion (or R2.07 per kWh of renewable energy), leaving a net benefit of R0.8 billion."*

The study was conducted by CSRI's Energy Centre who focuses the national and regional challenges that we face with regards to energy production. The head of the Energy Centre, Dr Tobias Bischof-Niemz, indicated that *"The study was based on actual hourly production data for the different supply categories of the South African power system (e.g. coal, diesel, wind, PV). We've developed a methodology at the CSIR Energy Centre to determine whether at any given hour of the year renewables have replaced coal or diesel generators, or whether they have even prevented so-called "unserved energy"."*

It is important to note that due to the 'outside-in' analysis conducted in the study, conservative assumptions of costs and effects were used. This means that the actual cost savings as a result of the use of renewable energy sources in 2014 are likely higher than the study outcomes. (The news just keep getting better!)

To access the full CSRI report - follow the link below

[http://www.csir.co.za/media\\_releases/docs/Financial\\_benefits\\_Wind\\_PV\\_2014\\_CSIR\\_10Feb2015\\_report.pdf](http://www.csir.co.za/media_releases/docs/Financial_benefits_Wind_PV_2014_CSIR_10Feb2015_report.pdf)

I decided to try dig a bit deeper into the topic, looking for media updates on the country's energy crisis and possible solutions. To be honest, it was a dim task... Tabloids are splatted with

negative and soul-destroying headlines....

**"ESKOM IMPLEMENTS STAGE I LOADSHEDDING"**

**"MORE LOADSHEDDING EXPECTED TOMORROW"**

**"BLUE MONDAY AS LOADSHEDDING ON THE CARDS"**

**"EXPECT 3 MORE YEARS OF POWER OUTAGES - MINISTER"**

**"ESKOM MOVES TO STAGE 2 LOADSHEDDING"**

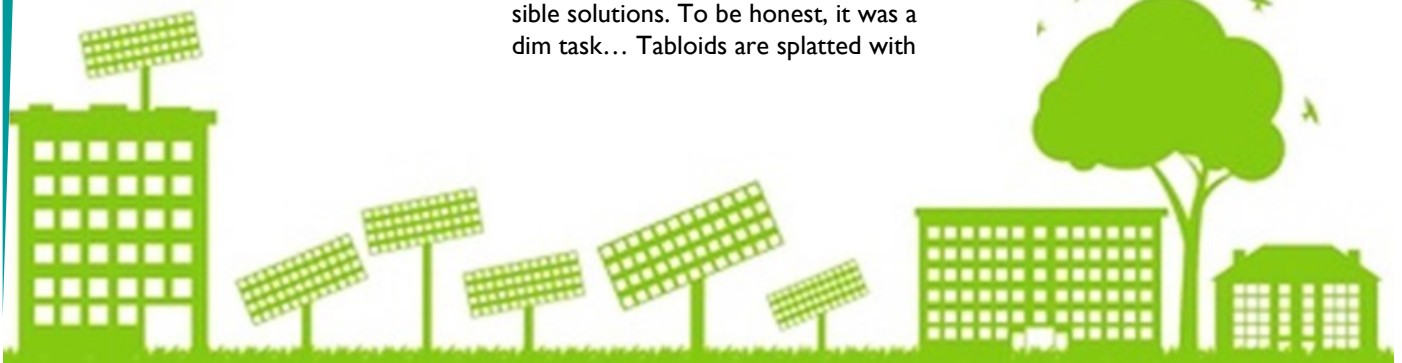
And the list goes on... But then, in amongst all of this, I stumbled upon a rather hopeful article.... A significant investment in renewable energy. There are several articles about the countries plans to invest in renewables and bids being placed to undertake the task - however few demonstrate actual action.

## SA COMPANY WINS BID TO PUSH 250MW INTO GRID

Apr 15 2015 - Dane McDonald - Fin24

"Cape Town – South African renewable energy company BioTherm has won a bid to push 251 MW of power into the grid as part of the Renewable Energy Independent Power Producer Procurement Programme.

BioTherm CEO Jasandra Nyker told Fin24 that the company plans to start supplying power to SA's grid in 2017.



"We will increase the grid capacity in the country by 250 MW and have the ability to power on average 250 000 households," she said.

The Department of Energy (DOE) has confirmed the company as the preferred bidder for three projects: the 120 MW Golden Valley Wind facility, the 45 MW Aggeneys Solar PV and the 86 MW Konkoonies II Solar PV Facility.

According to Nyker, 800 jobs will be created during the construction phase across the three projects. Total investment associated with the projects is in the region of R4.5bn."

So perhaps is there some light at the end of this very dark tunnel... Shedding the load between energy sources may be the answer.

Sian Oosthuizen



## SA Waste Laws: 2008 – 2015 and Waste Classification

**Durban: 24-26 June 2015**

Umbogavango Nature Reserve, Amanzi

**Richards Bay: 18–20 August 2015**

Woodpecker Inn

This very intensive 3 day workshop which is in its fourth year of delivery and continually updated and improved, provides the following:

- ➔ A clear understanding of all waste legislation passed since 2008
- ➔ An understanding of how to assess and classify waste according to the new laws and the GHS SANS 10234
- ➔ In-depth discussion, exercises and examples to enable you to apply the knowledge to your own situations
- ➔ Excellent manuals and CD provided

**Cost of Course R6 500.**

Discounts – 10% for 2 to 4 people from same company. 20% for 5 and more

In-house training for your company is also available.

NGOs and Conservancies get a 50% discount



**EnviroSus**  
Environmental and Sustainability  
Consulting

Contact Laura Taylor  
031-9031961 or 083 626 3785  
envirosus@connect.co.za  
or visit [www.envirosus.wordpress.com](http://www.envirosus.wordpress.com)

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# Roles and Responsibilities of an ECO



The IAIA KZN branch would like to invite you to attend a **"Roles and Responsibilities of an ECO under the New 2014 Environmental Impact Assessment Regulations"** forum:

**DATE:** Thursday 28 May 2015

**TIME:** 15h30 for 16h00

**VENUE:** Council Chambers (UKZN PMB Campus)

## COSTS

Members Free

Non-members – R150

The aim of this interactive forum will be to:

- Define what an ECO is.
- Determine the roles and responsibilities of an ECO under the new EIA Regulations.
- Identify the necessary skills and competence of an ECO.
- Determine the independence of an ECO.

The forum aims at highlighting some of the key challenges that confront ECOs and the compliance and monitoring sector.



A panel of speakers (including DEDTEA) will present on topics relevant to the theme and thereafter help to facilitate an interactive session. The panel will consist of representatives from:

- Private sector Consultants
- Compliance and Monitoring
- Construction and Development

**RSVP** to Kath ([kdejong@gibb.co.za](mailto:kdejong@gibb.co.za)) by Tuesday 26 May 2015

## SPACE IS LIMITED

Non-members please note that preference will be given to IAIA KZN members – however, should you wish to attend, please contact Kath ([kdejong@gibb.co.za](mailto:kdejong@gibb.co.za)) who will advise on whether there is space as well as payment details.



## THE IAIA KZN ADVANCED AWARD

'Advance Award' is competition held at the annual IAIA KZN Provincial AGM (scheduled for mid/late July 2015). The objective of 'Advance Award' is to recognize innovative concepts, activities, tools, ideas, methods, etc. developed, applied or conceptualized within larger projects or initiatives, or used on a daily basis that advance the Environmental Sector by pushing the boundaries of what is considered best practice. It is the 'cumulative impact' of these smaller efforts that will raise the profile and standing of the sector.

### IT IS SIMPLE TO ENTER!

Just tell us about the great work you have been doing by filling in the submission form (check your email!). Scores from the evaluation of the written submissions will be added to those for the presentation to determine the winner.

So don't be modest – tell us how you have been taking the sector forward.

**Submissions to: Dave Cox ([dcox@inr.org.za](mailto:dcox@inr.org.za)) by Friday 26 June 2015**





## CALL FOR SUBMISSIONS

### DEAR COLLEAGUES

This message serves as a call for submissions to the 2015 IAIA conference which promises to be a landmark event reflecting on the past, and importantly, the future of IEM in South Africa under the main conference theme **“What are we achieving and where are we heading”**. Moreover, the conference welcomes submissions on the following sub-themes namely: environmental policy and legislation, methodology and process, quality assurance, technology, tender requirement and additional requirements such as human rights impact assessment.

The following types of submissions will be considered: paper presentations, posters, round table discussions, workshops, panel discussions, working groups and World Cafés. Submissions should be submitted on the webpage <http://www.iaiasaconference2015.co.za/> - just follow the links. A guideline for abstract submissions is also provided on the website. The following dates are important:

- **5 June 2015:** Deadline for submissions
- **12 June 2015:** Notification of Acceptance
- **3 July 2015:** Presenters to register and pay
- **10 July 2015:** Final programme available

We are excited and look forward to your participation and contribution to what promises to be a critical discussion on the future of our profession.

Should you need any assistance or would like to make an enquiry, please contact the conference organizers at: **Joanne Bezuidenhout**- [joanne@confco.co.za](mailto:joanne@confco.co.za) – 031 303 9852

Best wishes

Sean O’Beirne - 2015 Conference Chair

20th Annual IAIA National Conference

11-14 August 2015

Champagne Sports Resort, the Drakensberg, KwaZulu-Natal



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