

**UN/SCETDG/35/INF.63**  
**UN/SCEGHS/17/INF.18**

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**COMMITTEE OF EXPERTS ON THE TRANSPORT OF  
DANGEROUS GOODS AND ON THE GLOBALLY  
HARMONIZED SYSTEM OF CLASSIFICATION  
AND LABELLING OF CHEMICALS**

Sub-Committee of Experts on the  
Transport of Dangerous Goods

Sub-Committee of Experts on the  
Globally Harmonized System of  
Classification and Labelling of Chemicals

Thirty-fifth session  
Geneva, 22 - 26 June 2009  
Item 11 of the provisional agenda

Seventeenth session  
Geneva, 29 June - 1 July 2009  
Item 8 of the provisional agenda

OTHER BUSINESS

Information about the International transport and environmental conference 2009  
(Durban, March 2009)

Transmitted by the representative of the Responsible Container Management Association  
of Southern Africa (RCMASA)



DURBAN CHAMBER OF COMMERCE AND INDUSTRY

The Ultimate Business Network



environment & tourism  
Department:  
Environmental Affairs and Tourism  
REPUBLIC OF SOUTH AFRICA



BRITISH CHAMBER OF BUSINESS IN SOUTHERN AFRICA

Networking and Events Driven Outcomes for Business  
Performance with a Purpose



RCMASA

RESPONSIBLE CONTAINER MANAGEMENT ASSOCIATION OF SOUTHERN AFRICA

# INTERNATIONAL TRANSPORT AND ENVIRONMENTAL CONFERENCE 2009

3-4 MARCH 2009 • ICC DURBAN • SOUTH AFRICA



BDF ●●●●

Beiersdorf

Passion for Skin & Beauty Care



NCEC  
From the AEA group



hazardous cargo bulletin



BAM

Federal Institute for Materials Research and Testing



There is a *“decline in experts on the transport of dangerous goods regulations, not only in government but also in industry.”*  
*UNSCOE Transport DG July 06*



***Theme - Placing Africa on the global map for safe chemical transport, addressing***

***“Key success factors for safe chemical transport and the impact this has on the Environment to reduce Risks”***

***Purpose***

To bring International Experts to Africa to Share information, to raise awareness, build capacity and provide excellent networking for improved safety and building of lasting relationships.

***Intent - The first of Bi-annual Conference - next 2011***



DURBAN CHAMBER  
OF COMMERCE AND INDUSTRY  
EST 1856



# GUGU MAZIBUKO

## CEO

[gugumazibuko@durbanchamber.co.za](mailto:gugumazibuko@durbanchamber.co.za)

[www.durbanchamber.co.za](http://www.durbanchamber.co.za)

# Durban - eThekweni's Economy



## **3.13 million people - 7% of total South African population**

- 6% of South Africa's labour force of 16 million
- Largest school going population of any Metropolitan area in South Africa
- R135 billion contribution to GDP generated by Durban in 2005
- eThekweni is the third largest economic centre and accounts for 10% of South Africa's economic output.
- 75% of KwaZulu Natal's economy comes from Durban

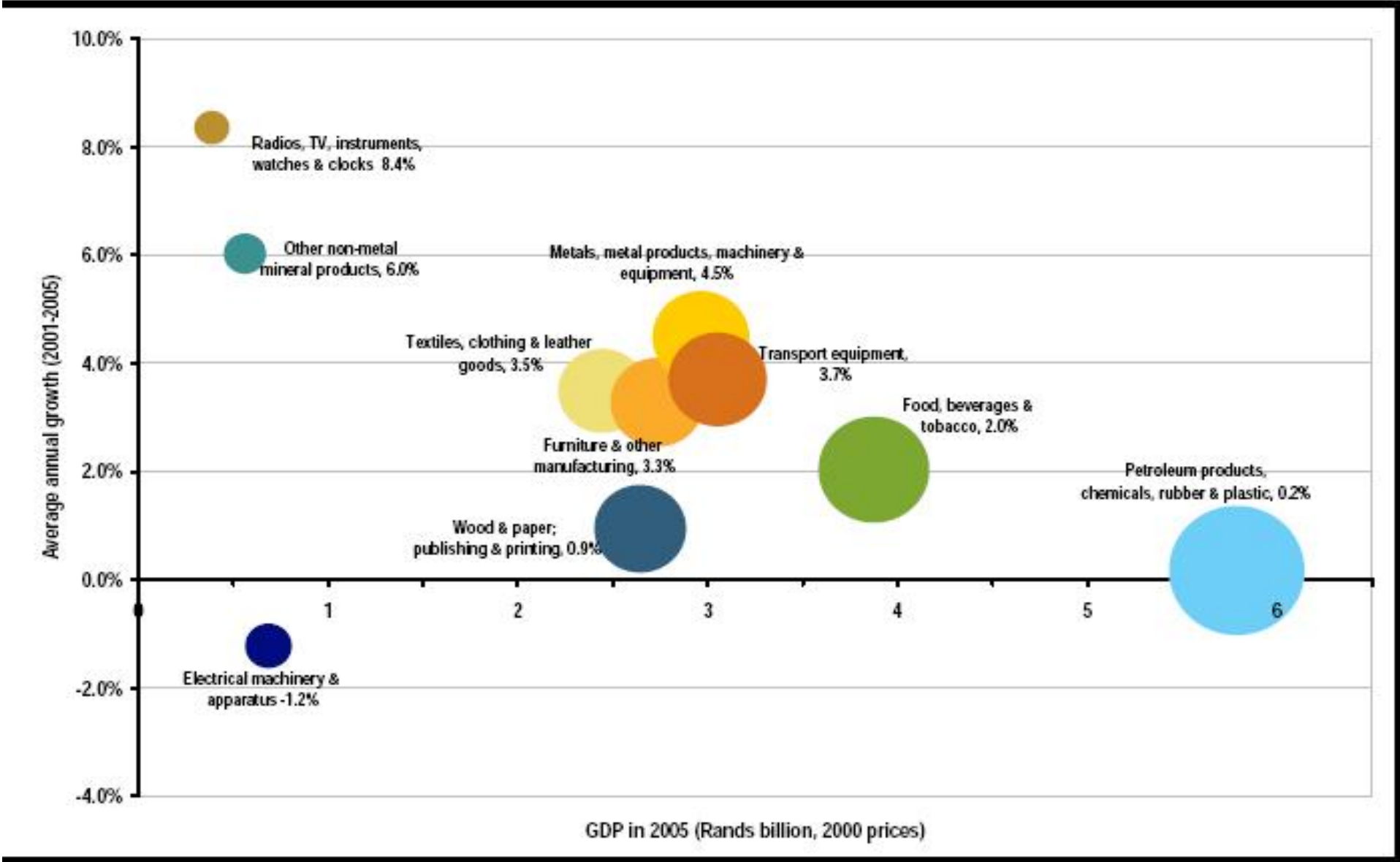
## **Port of Durban is the largest of South Africa's 7 ports**

- Handles over 31.4 m tons of cargo a year, value > R100-billion per annum, approx. 65 % value of SA ports.

## **Durban's Manufacturing base - 24.4% of City's & 13.6% of South Africa's GDP**

- Petroleum, Chemicals, Rubber, Plastic contribute 23%
- Food, beverages and tobacco sub-sector 15,4%
- Wood and Paper; Publishing and Printing contribute 10%

# DURBAN'S ECONOMY











# Port of Durban - Introduction



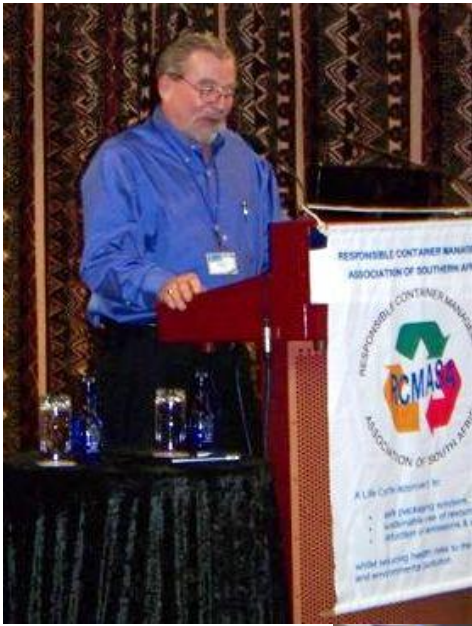


## RCMASA Providing Information & Raising Awareness



## IMDG Training by Jack Currie VOHMA





**Day 1. Tuesday 3 March Registration**

**Chairman- Peter MacKay, Editor International Hazardous Cargo Bulletin**  
**Introduction, Objectives & Housekeeping**

**8.40 – 8.50 Welcome Gugu Mazibuko CEO DCCI and Quade Corder Chairman RCMASA**

**8.50 – 9.10 David Mabitsela, Transnet Port Terminals,** Introduction to the Port of Durban and the significance of chemical imports & exports to the Local & National Economy

**9.10 – 9.35 Gavin Kelly – Road Freight Association**  
Road Transport of Dangerous Goods, Statistics and Legal compliance

**9.35 – 10.00 Links Mudaly- Rail Regulator**  
Transport of Dangerous Goods by Rail New regulations SANS 10405 Operational, design and emergency preparedness Compliance

**10.00 – 10.30 Dr Jurgen Bruder, CEO of ICPP, International Confederation for Plastic Packaging Manufacturers**  
Market trends & Key issues for dangerous goods transport

**10.30 – 11.00 Tea**

**11.00 – 11.30 Theuns Grobler, Tere Packaging- Packaging**  
Testing and Certification in South Africa

**11.30 – 12.00 Dr Thomas Goedecke Federal German Institute for Materials Research & Testing (BAM)**  
Compatibility & permeation of plastics packaging and Transport Risks

**12.00 – 12.30 Annette Lubbe Fluoro Pack- Fluorination: Minimum Impact, Maximum Protection**

**12.30 – 12.45 Chairman Q & A**

**12.45 – 14.00 Lunch**

**14.00 – 14.30 Phil Pease, IPA Industrial Packaging Association of UK – Packaging and Environmental Compliance**

**14.30 – 15.00 John VCurrie, VOHMA Vessel Operators Hazmat Association**  
Product Stewardship and the Risks and Consequences of Legal Non-compliance

**15.00 – 15.30 Tea**

**15.30 – 16.00 Bryan Gran, Micro Matic USA**  
Nothing in the middle? CLD Closed Loop Dispensing for Safe Handling of Chemicals

**16.00 – 16.30 Rich Davey, NCEC UK National Chemical Emergency Centre**  
– Disaster Management and Emergency Planning

**16.30 – 17.00 Chair: Questions & Answers – Close**  
**Dinner at Moyo**

**Day 2. Wednesday 4 March**

**8.30 Chair - Peter MacKay Welcome & Brief recap of day 1**

**8.50 – 9.25 Ashika Pillay, SARS – Customs Role in the International Supply Chain,** documentation required & duty relief schemes pertaining to chemical goods

**9.25 – 10.00 Volker Krampe, Beiersdorf & AISE**  
Consumer Dangerous Goods Regulations

**10.00 - 10.30 Karen Feiling GS1 – RFID and Business Processes for Returnable Transport Item Systems and Logistics Security**

**10.30 – 11.00 Tea**

**11.00 – 11.30 Lara Mehr-Currie, COSTHA Council for Safe Transport of Hazardous Articles – Training to Enhance the Image of Dangerous Goods Professionals**

**11.30 – 12.00 Reite Molotsoane, CAMCO – Carbon Foot-printing & Energy Savings in the Packaging Industry & Supply Chain**

**12.00 – 12.25 Frances Craigie – Director of Green Scorpions – Consequences of Environmental Non-compliance**

**12.25 – 12.45 Q & A**

**12.45 – 14.00 Lunch**

**14.00 – 14.45 Rich Davey, NCEC – REACH, EU Registration, Evaluation and Approval of Chemicals, Essential for export to EU Countries**

**14.30 – 15.00 GHS – Globally Harmonised System of Classification and Labelling**

**15.00 – 15.30 Tea**

**15.30 – 16.00 Atul Padalkar, Dipa Durban Investment Promotion Agency – How Investment can be facilitated into “Green” Projects**

**16.00 – 16.30 Barry Bowles, eco2 LaFarge – Saving our Natural Resources - Waste (packaging and residues) to Energy**

**16.30 Chair – Questions & Answers**  
**Conference Sum Up & Resolutions for 2011**





**TRANSNET**




delivering on our commitment *to you*



# Presentation Introduction to the Port of Durban by David Mabitsela

3<sup>rd</sup> March 2009



<b>1203</b>	 <p>A red diamond-shaped hazard label with a black flame icon at the top, the text "FLAMMABLE LIQUID" in the middle, and the number "3" at the bottom.</p>
<b>082 828 2847 (011) 880 6800</b>	
<b>(011) 331 2947</b>	

# Road Transportation of Dangerous Goods, Statistics and Legal Compliance

**Gavin A Kelly**

**Technical and Operations Manager**

**Durban, March 2009**





# Road transportation of Dangerous Goods, Statistics and Legal Compliance

## CHALLENGES :


High Accident and Incident rates but POOR REPORTING

OVER 140 MILLION TONS Products transported annually by road

33 452 DG Operators registered in 2008

19 562 Registered PRDP Drivers

27 DoT Approved training Bodies

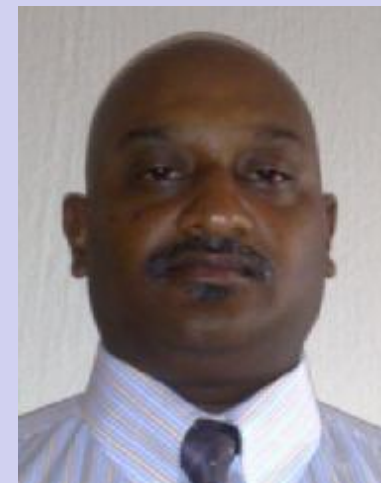
<b>1203</b>	
082 828 2847 (011) 880 6800	
(011) 331 2947	



# International Transport and Environmental Conference

Transportation of Dangerous Goods by Rail  
Operational Requirements, Design  
Requirements and Emergency Preparedness  
New National Standard - SANS 10405

By: Links Mudaly  
Railway Safety Regulator  
3 March 2009



# Plastics Packaging and IBCs for the Transport of Dangerous Goods –

## Market Survey and Issues of Special Interest



**Dr. Jürgen Bruder**

**ICPP International Confederation of Plastics  
Packaging Manufacturers**

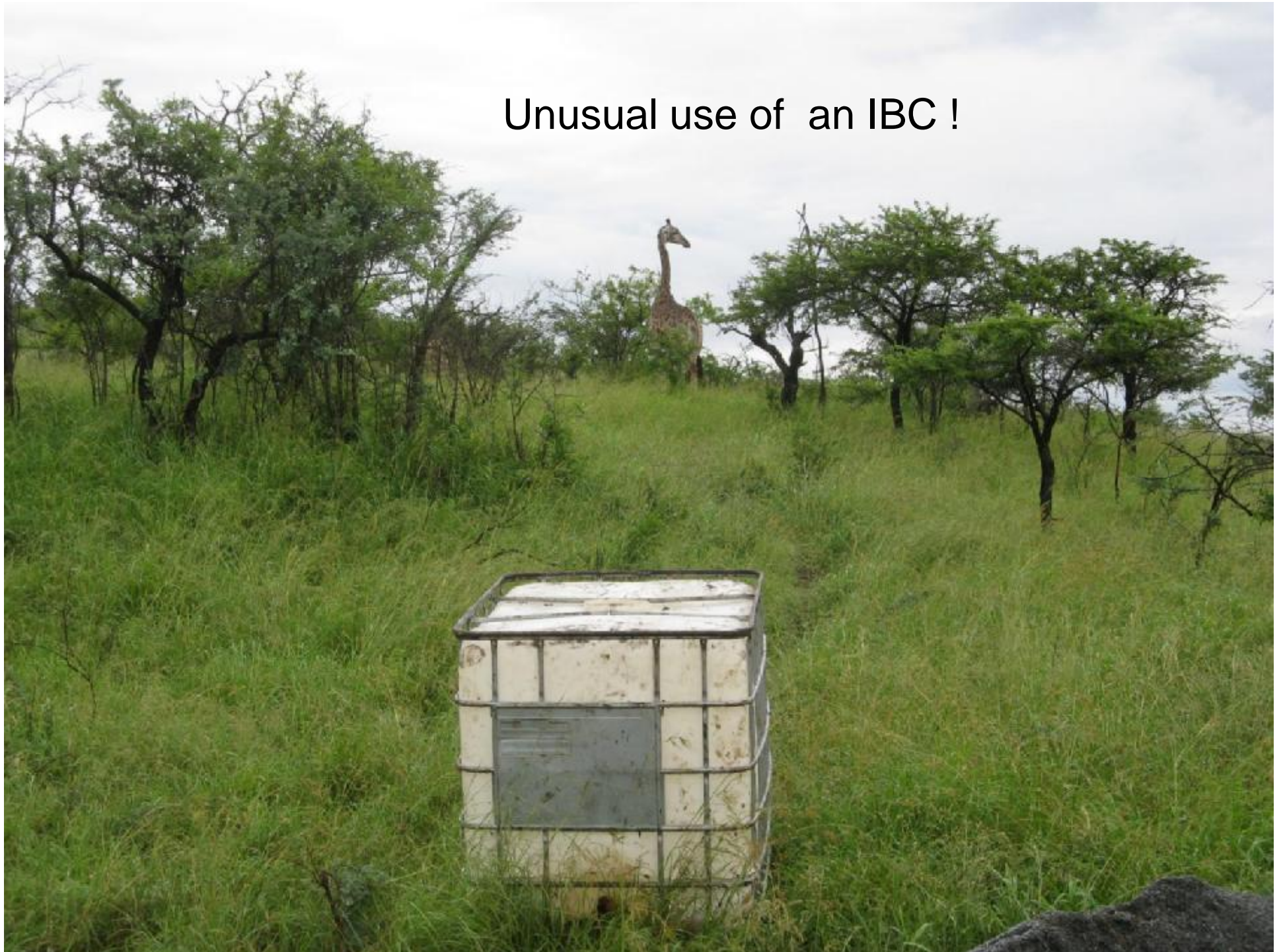


Intern. Transport and Environmental Conference 2009  
Durban, 2.- 4.3.2009, South Africa





Unusual use of an IBC !



# Permeation in plastics packagings with the risk of creating explosive atmospheres in freight containers



## International Transport and Environmental Conference 2009

March 2-4, 2009 / Durban, Southern Africa

**Dr. Thomas Goedecke, Dr. John Bethke,  
Wolfgang Jahnke, Dr. Frank Otremba**

Federal Institute for Materials Research and Testing (BAM)  
Berlin, Germany



III.1 Dr. Goedecke –  
04/2006, Seite 21/44



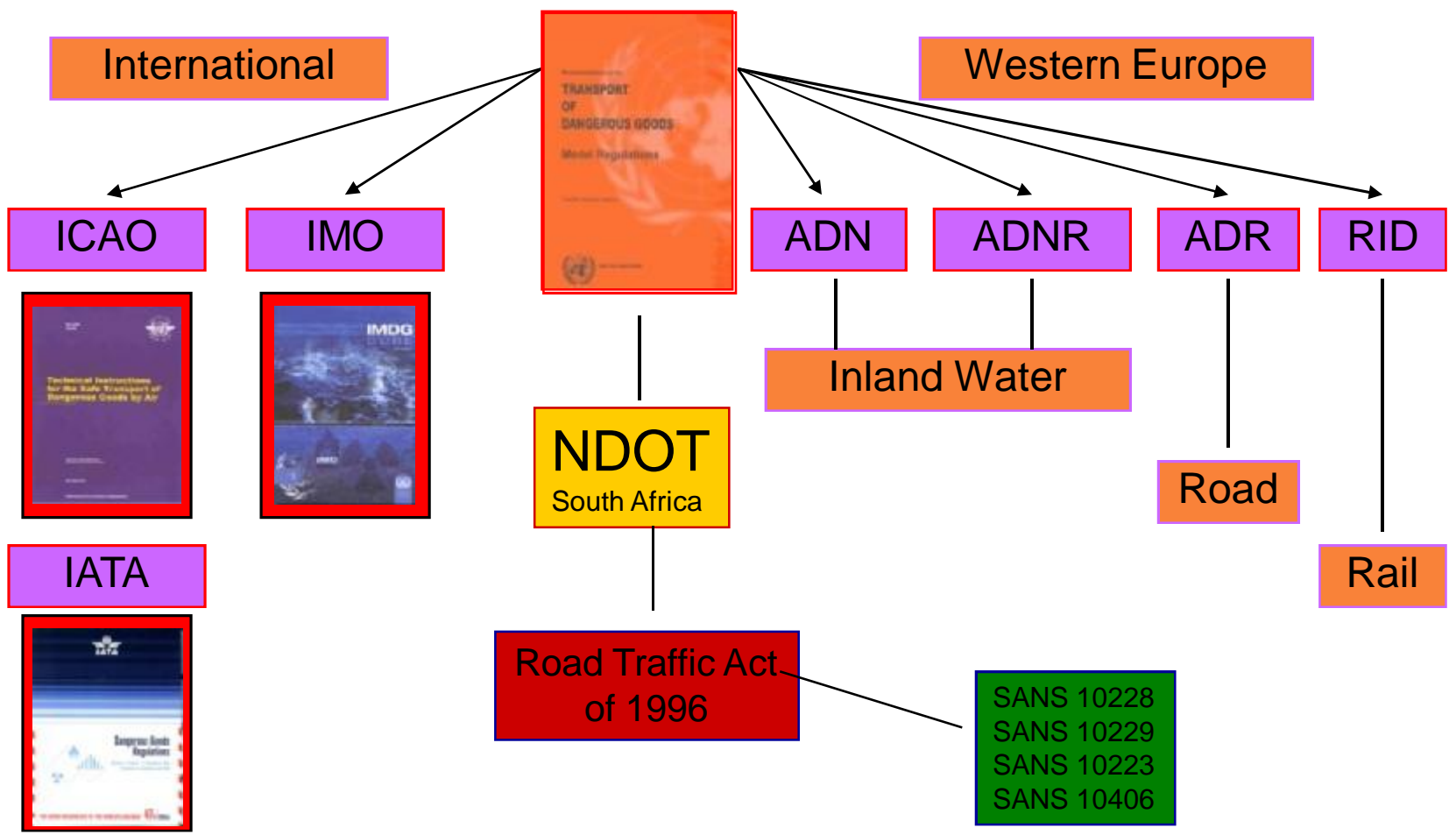
# Dangerous Goods Packaging Regulations in South Africa

Presented by: Theuns Grobler  
TEN-E Packaging Services SA,  
(Pty) Ltd



# United Nations Committee of Experts

## Sub-committee on the Transport of Dangerous Goods





# *Fluorination.....*



*Minimum Environmental Impact*

*Maximum Protection*

*THE technology of choice to minimise  
permeability & compatibility issues*

**Annette Lubbe**  
**General Manager**



RPMASA Presentation – 2009



# The UK Industrial Packaging Association

Presentation to RCMASA  
International Conference  
2<sup>nd</sup> – 4<sup>th</sup> March 2009

by Phil Pease

IPA Chief Executive Officer



**IPA**

> THE INDUSTRIAL PACKAGING ASSOCIATION

[www.theipa.co.uk](http://www.theipa.co.uk)

# The UK's Evolution of Best Practice for the Purchase, Re-Use and Disposal of Industrial Packaging



**IPA**

> THE INDUSTRIAL PACKAGING ASSOCIATION

[www.theipa.co.uk](http://www.theipa.co.uk)

# Role of Customs in the International Supply Chain

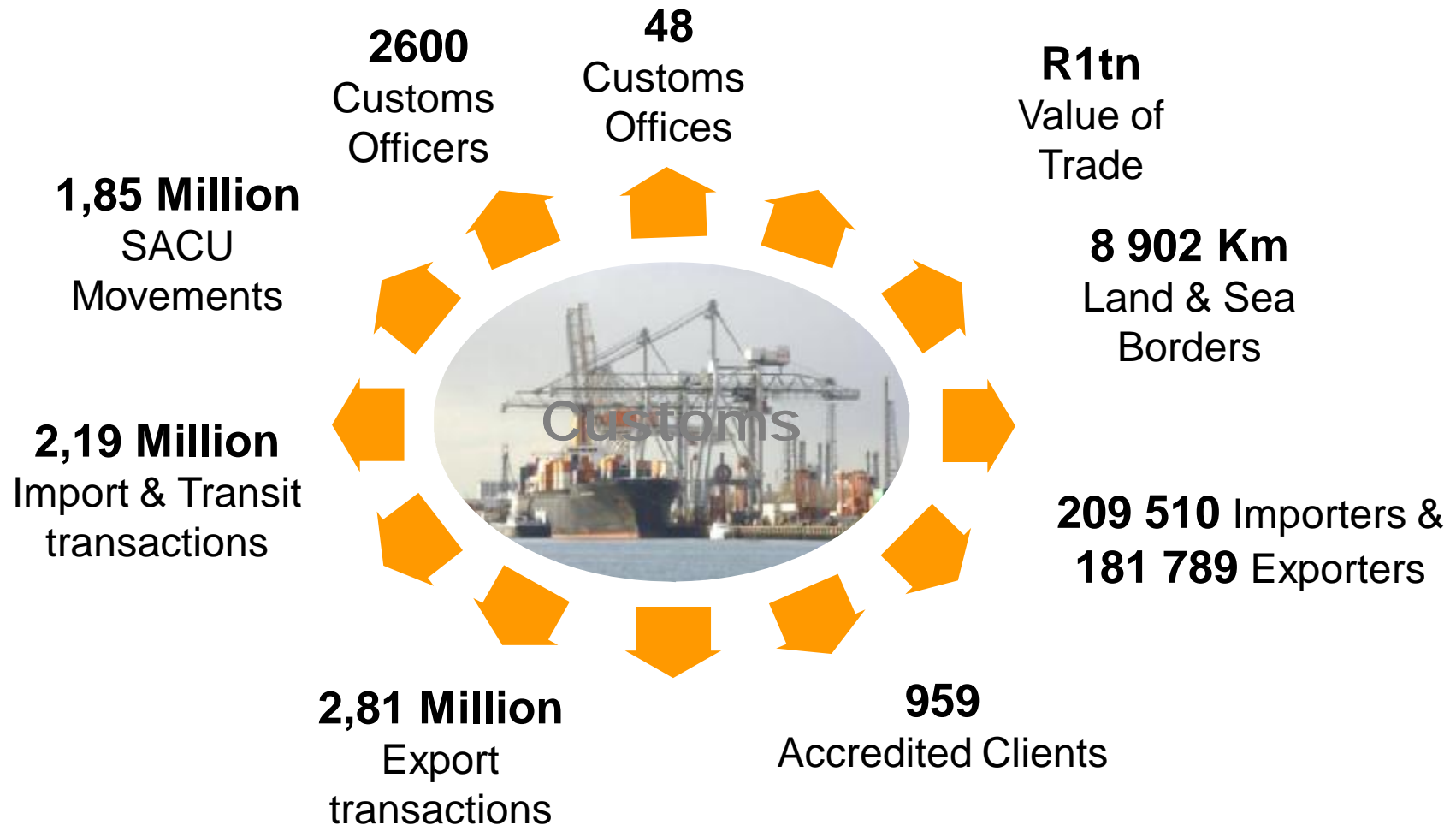


.....  
**Ms. Ashika Pillay**

**KZN: Regional Customs Manager**



# Customs Environment





# RFID for Returnable Transport Item Systems and Safety & Security in the Supply Chain



*Karen Feiling  
Supply Chain  
Solution Manager  
GS1 South Africa*

International Vessel Operators Hazardous Materials Association



**VOHMA**

## PRODUCT STEWARDSHIP

AND

## THE CONSEQUENCES OF NON-COMPLIANCE

International Vessel Operator Hazardous Materials Association Inc.

10 Hunter Brook Lane, Queensbury, NY 12804

[jack@vohma.com](mailto:jack@vohma.com)



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# International Transport and Environmental Conference 2009

## *“Nothing in the Middle” Closed Loop Dispensing for Safe chemical handling*

Presented by:  
Bryan J. Gran  
Micro Matic USA, Inc  
Vice President, Industrial Services  
Reno, Nevada, USA





# Disaster Management and Emergency Planning



Richard Davey  
NCEC Account Manager  
3<sup>rd</sup> March 2009



# **Consumer Dangerous Goods Regulations International Transport and Environmental Conference, Durban 2009**

- **Introduction, Safety First**
- **Excepted Quantities**
- **Limited Quantities**
- **Consumer Commodities**
- **Current work / result at UN**

**Volker Krampe**  
**Beiersdorf AG**  
**Hamburg, Germany**  
**[Volker.Krampe@Beiersdorf.com](mailto:Volker.Krampe@Beiersdorf.com)**



# *Enhancing the Image of the DG/HazMat Professional –*



# **Blueprint for Success**

**The better we perform,  
the more unnecessary we  
appear**





# Carbon footprinting the packaging industry

## Minimising impacts of packaging & transport

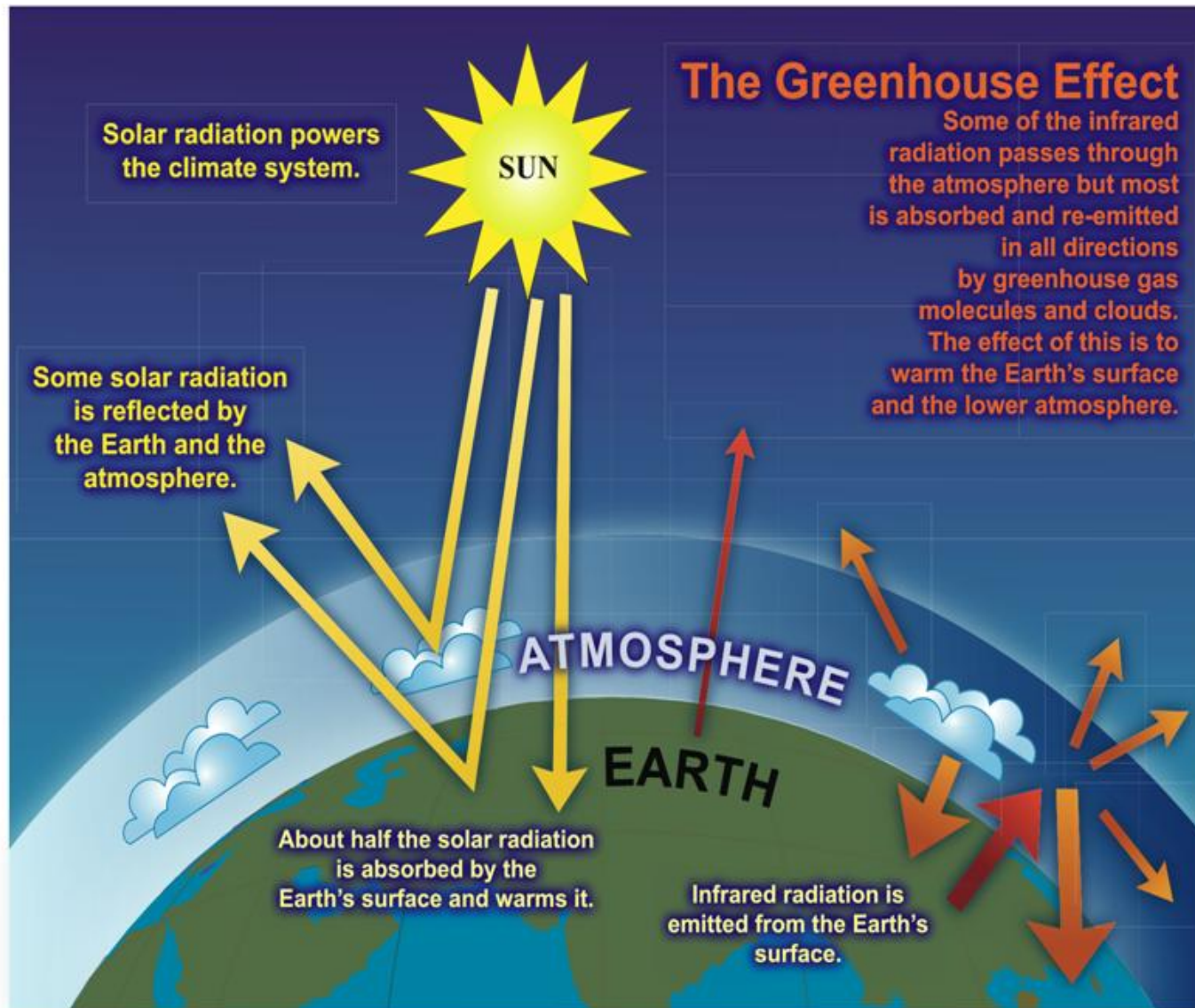


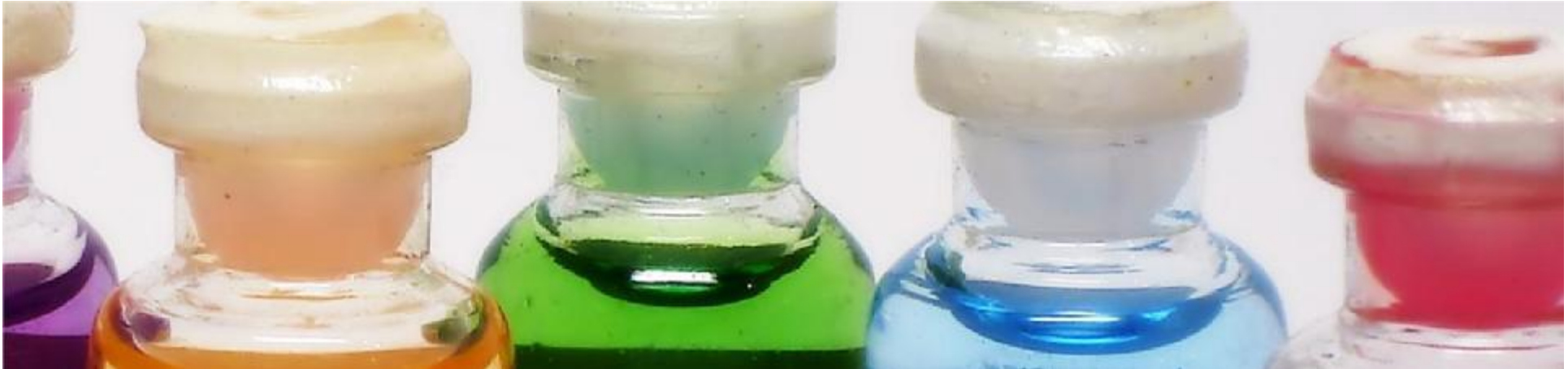
Reitumetse Molotsoane

3 March 2009



# What is climate change





# REACH and GHS in the EU

Richard Davey

4<sup>th</sup> March 2009



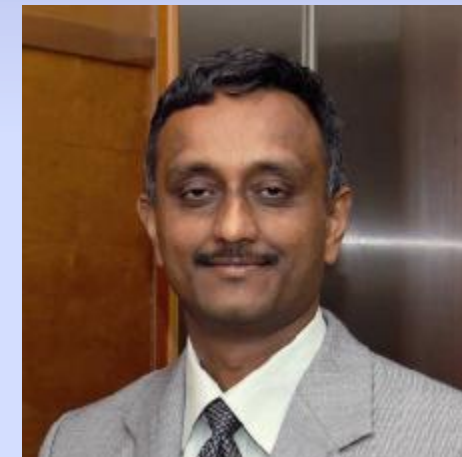


# Current EU vs GHS Pictograms





# Facilitating Investments into Green Projects



Dr Atul Padalkar

Durban Investment Promotion Agency

4<sup>th</sup> March 2009





# CONSEQUENCES OF ENVIRONMENTAL NON-COMPLIANCE

Frances Craigie  
Director: Enforcement



environment  
& tourism

Department:  
Environmental Affairs and Tourism  
REPUBLIC OF SOUTH AFRICA

RCMASA International Transport  
and Environmental Conference  
2009

# Saving our Natural Resources - Waste packaging and residues to Energy



## Industrial Ecology in Lafarge Solutions for Hazardous waste disposal

Barry Bowles





# Comments & feedback - Join us for 2011

**“Terrific achievement for a first Conference to have such an excellent programme and speakers”**

“Congratulations for putting Africa in the global spotlight with this Conference to raise awareness of global regulations and best industry practice”

**“Very interesting and practical presentations which will change the way I do business”**

“ This shows the value to SA Industries of RCMASA’s Consultative Status & participation in the UN Committees”

**“Excellent training courses following the Conference - best training facilitators & training material experienced”**

“Exhibitions - excellent practical displays & information relevant to the delegates”

[www.rcmasa.org.za](http://www.rcmasa.org.za)

**A BIG THANK YOU TO ALL WHO  
HELPED TOWARDS THE SUCCESS  
ESPECIALLY OUR INTERNATIONAL  
SPEAKERS**

**We look forward to seeing you again  
and welcoming you to**

**South Africa in 2011, contact :**

**[liz@rcmasa.org.za](mailto:liz@rcmasa.org.za)    +27 32 942 8256**

## Challenges to overcome in developing countries



# PHUZA EMIGQOMENI EPHEPHILE

## DRINK FROM SAFE DRUMS

WAMANZI KUPHELA  
SPONSORED FOR  
DRINKING WATER ONLY



### BACKGROUND INFORMATION

A large number of people are affected by the practice of using contaminated chemical drums for storing consumables such as water, juice, traditional medicines, sorghum beers etc. In eThekweni Municipality, a number of informal traders are selling chemical contaminated plastic drums / containers to the public.

These drums are purchased from chemical industries located within and outside eThekweni Municipality. Some are purchased from the people who are stealing the drums from the industries. The chemical drums are then cleaned by drum sellers on the street with residue being emptied into the storm water drains. This has raised concerns over the health and environmental impacts that this activity is causing.

### CONCERNS

- 80% of the drums examined at any time at the informal market have residual chemicals in them.
- The simple rinsing process does not remove the residue, which impregnates the internal plastic surface of the drums, and if used as a water container the chemical will leach out into the water and will create a risk of chemical poisoning.
- Waste water from washing of chemicals ends up in storm water drains thus impacting on water quality.
- Some of these chemicals are in low concentrations but can with time bio-accumulate up the food chain and pose toxic effects.
- A number of poison incidents have been reported all over the country.

The eThekweni Health in partnership with other Municipal Departments such as DSW (Durban Solid Waste), EWS (eThekweni Water Services), BSU (Business Support

**NEW SAFE DRUMS**  
**RAPHELA UPHAWU**  
**EMIGQOMENI**  
**LOOK FOR LOGO**  
**ON THE DRUMS**

Unit), Provincial Departments, NGO's (RCMASA), Industry and informal traders are embarking on a project known as "Imigqomo Ephephile" / "Safe drums". The safe drums project is a campaign against the sale of used, contaminated, toxic, poisonous chemical plastic containers to the public for domestic use.



BEWARE

"Imigqomo Ephephile" / "Safe-drums" are the only guaranteed drums that has not been used to contain any chemicals and have been purposely designed to store water, juice and other consumables. Safe drums are now available for sale at the following places: Durban station, South Coast Road (Wema), Clairwood & Mansel Road.

### IDENTIFICATION SIGN

Safe drums can be identified by this logo embossed onto the drum. Check that the drum you are purchasing has this logo on it to ensure that it is genuinely safe to use.



### ENFORCEMENT

Due to the dangers associated with the sale of chemical drums and many poisoning incidents some fatal reported, the community is requested to report any incidents of chemically contaminated drums sold to the public:

- industry selling chemically contaminated drums to the public
- trucks carrying used chemical drums to sell to the public
- informal traders selling used chemical drums to the public and or
- any form of trade of the chemically contaminated drums the eThekweni Municipality will institute legal proceedings against offenders.

### ENQUIRIES



For more information on "Safe drums" please contact eThekweni Health: Tel: 031 311 3555 / Fax: 031 311 3530 / Email: [envirohealth@durban.gov.za](mailto:envirohealth@durban.gov.za)



TO REPORT ILLEGAL TRADING OF CONTAMINATED DRUMS & ENQUIRIES TEL: (031) 311 3555 / FAX: (031) 311 3530 Email: [envirohealth@durban.gov.za](mailto:envirohealth@durban.gov.za)

## RCMASA INITIATIVE SPONSOR A HAPPY DRUM



Every day poor people in our country with no direct access to clean drinking water, buy and carry used, often contaminated chemical drums for drinking water and other domestic use. Health risks – skin burns, chest problems and poisonings are common as well as environmental pollution.

**Sponsor a Happy Drum and save a life - A win, win, win for the poor, sponsors and the environment.**

Be part of the Solution -  
Contact RCMASA on +27 (0) 32 942 8256 or [liz@rcmasa.org.za](mailto:liz@rcmasa.org.za)  
See [www.rcmasa.org.za](http://www.rcmasa.org.za)