

ASSOCIATION connections

AUSTRALASIAN SLAG (IRON & STEEL) ASSOCIATION NEWSLETTER

www.asa-inc.org.au

SUSTAINABILITY SUPPORTS THE BUSINESS BOTTOM LINE

ASA
CONFERENCE
REGISTER
NOW
INSIDE

DR. GLENN ALBRECHT SENIOR LECTURER in the School of Environmental and Life Sciences at the University of Newcastle reminds us that every day decisions we take can have long term desirable or undesirable impacts. He states "Without a focus on holistic indicators of sustainability such as ecosystem health and ecological footprint analysis, we will fail to appreciate the cumulative impact of thousands of seemingly 'innocent' assessments and decisions that affect the environment until it all becomes too late".

Current focus of Governments and

regulators on water energy and resource conservation is a recognition that past individual business and community decisions have not always been made with the long term in mind. As a society we are beginning to see that it is the whole of life cost of our decisions that is of greater importance. In all of this, the bottom line remains a key focus.

Those working in the iron and steel slag industry have for many years known about and have sought to promote the contribution that these materials make to sustainability, durability of structures and intergenerational equity with respect to

resource conservation and contributing directly to greenhouse gas reduction.

In structuring the May conference, the Association has brought together leading thinkers in the area of sustainability in Dr Glenn Albrecht and RMIT Adjunct Professor Mr. Alan Pears. The program is rounded out by industry practitioners, international perspectives regulators and those charged with encouraging sustainable development. Delegate participation in the workshops plays an important part of the conference program discussing practical issues that are promoting or inhibiting sustainability. @

FEDERAL MP THE HON BOB BALDWIN TO OPEN ASA SUSTAINABILITY AND SLAG CONFERENCE

THE ASSOCIATION IS PLEASED TO ANNOUNCE that the Hon Bob Baldwin MP Federal Member for Paterson in NSW and Parliamentary Secretary to the Minister for Industry, Tourism and Resources will open the Association's Sustainability and Slag Conference (Sustainability, Construction Materials and your Bottom line) at the Shangri La Hotel Sydney on May 4 2007. The Minister's participation is a clear indication of the collaboration possible between Government and Industry in advancing the cause of sustainability. In the Keynote session, Dr Glen Albright will set the scene and raise the issues around

sustainability whilst Evan Weiner will provide a US perspective. Session 2 will look at sustainability in the construction Chain.

In Session 3 delegates can chose one of three workshop sessions; Sustainability and the Bottom Line (3A), Alternative Raw Materials Use in Construction Sector: Legal / Regulatory Issues (3B) or the Slag Pavement Workshop (3C).

Each of these streams brings together an expert panel of presenters.



The Hon Bob Baldwin MP

In the conference plenary session Professor Alan Pears Adjunct Professor and Director Sustainable Solutions, RMIT will gather together the conference issues as he discusses ecologically sustainable development (ESD) the Construction Paradigm. The formal conference session will be closed by Association

Chair Andrew Wilson. There is further opportunity for networking to continue at the Conference dinner to follow. @

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CONNECTIONS EDITORIAL TEAM

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STRONG AUSTRALIAN CONTINGENT ATTENDS SUCCESSFUL GLOBAL SLAG CONFERENCE IN BANGKOK

THE SECOND GLOBAL SLAG CONFERENCE and Exhibition themed – ‘Slag in Asia: the profit iceberg’ was held at the Royal Orchid Sheraton Hotel Bangkok, Thailand from 20-21 November 2006.

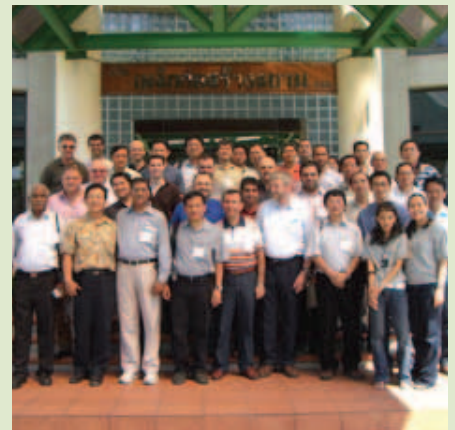
Association Members report that there was a very strong Australian contingent both attending and presenting. Members attending were Craig Heidrich Rob Newman, SCE Group; Paul Gear, AMR; James Young, SCE Group and Ross Johnson, Consultant. Association Executive Director Craig Heidrich presented a paper “GGBFS lowering Australia’s greenhouse gas emissions profile”

James Young from SCE Group reports that it was interesting and covered a wide amount of subject matter, although it was primarily focused on the cement industry.

Of particular interest is Conference Organisers, by attending the breaks, allowed far more time to networking opportunities than members have experienced at other conferences. This was considered to be an important part of the conference, given that delegates attended from many parts of the world. The Sessions were chaired by delegates who put an interesting spin on some of the topics. Conference facilities were good.

Although Australian practices compare favourably with those overseas, members consider that interaction with producers marketers and processors from around the world is essential to optimising the use of iron and steel slag products produced in Australia. With this in mind, several members are planning to attend The 5th

European Slag Conference organised by EUROSLAG. The Conference will be held from September, 19th to 21st 2007 in Luxembourg-city.



CONFERENCE DELEGATES

SUSTAINABILITY THE BIG PICTURE, THE BOTTOM LINE AND PRACTICE

SUSTAINABILITY AND SLAG –

Sustainability, Construction Materials and your Bottom Line is the title and theme for the Association’s conference in May. The Association is honored to have Dr Glenn Albrecht and Mr. Alan Pears, both eminent and well published authors in the area of sustainability to ‘bookend’ the conference.

DR. GLENN ALBRECHT is a Senior Lecturer in the School of Environmental and Life Sciences at the University of Newcastle. He has a PhD in philosophy and teaches a number of courses on environmental ethics and sustainability at Newcastle. In addition Dr. Albrecht undertakes transdisciplinary research in environmental studies and has produced research papers and publications in environmental history, sustainability, environmental politics and



DR. Glenn Albrecht

ecosystem health. He was foundation secretary of the internationally renowned Wetlands Centre at Shortland in Newcastle.

Dr Albrecht believes that there is a problem in that “those responsible for implementing our National Strategy for Ecologically Sustainable Development (1992), its related Intergovernmental Agreement on the Environment (1992) and all state and federal environmental legislation have systematically ignored and diluted the principles of ESD to satisfy short-term political and economic interests”.

ALAN PEARS Adjunct Professor at RMIT since 2000 is an engineer and educator who has worked in the energy efficiency field for twenty



Alan Pears

years. He managed Melbourne’s Energy Information Centre during the early 1980s, then worked in the Victorian Government’s energy department until 1991.

Since 1991, Alan has been co-director of an environmental consultancy, Sustainable Solutions. He has

worked extensively on global warming issues, including co-writing a review of Australia’s national greenhouse response strategy, analysing the potential for cost-effective greenhouse emission reduction in a number of industries, and co-writing a workbook for participants in the Greenhouse Challenge program. Alan is also involved in the development of energy efficient products, and has helped develop an energy- and water-efficient dishwasher and drink vending machine. He is convenor of the Policy Committee of the Sustainable Energy Industry Council of Australia.

SLAG PRODUCTS HELP ACHIEVE A GREEN STAR CERTIFICATION

IF YOU HAVE AN ESD AGENDA to meet, then using concrete containing Slag Cement binders in your next project makes a lot of sense.

There are approximately 125 Green Star projects currently registered in Australia. Fifteen of these have been Green Star certified with a four star rating, or higher.

In The United States the US Green Building Council reports that over 33,000 projects have LEED accreditation and of those certified most are out performing the market return on investment, up to an impressive 32%. The smart money is heading for green.

WHAT DOES THIS MEAN FOR AUSTRALIA...?

As we better understand how to build Green, the construction cost of "Green buildings" will be comparable to traditional construction. The subsequent decision for fund managers and portfolio building owners to choose Green Buildings will be a "no brainer." Green Buildings are moving from Icon / Pilot status to mainstream; its a natural progression.

A project seeking Green Star certification can utilise one of the simplest Green Star credits available (possibly two).



Ground Granulated Blast Furnace Slag (GGBFS) is recognized by Green Star as an "industrial waste product" which can replace Portland Cement to reduce concrete's environmental footprint.

Given that slag cement products are commonly used in every-day commercial concrete, why not make the link with Green Star and take the next step to increase their contribution to your project and the environment.

Up to three points are awarded where it is demonstrated that the concrete to be used in the building construction or refurbishment

has a significant recycled content.

- **1 point = 20%** of cement used for in-situ concrete and 15% of cement used for pre-cast concrete is replaced with industrial waste product;
- **2 points = 40%** of cement used for in-situ concrete and 30% of cement used for pre-cast concrete is replaced with industrial waste product.

Extract from "Green Star Technical manual V2 spreadsheet, Materials worksheet"

For further information contact James Howard Independent Cement and Lime Victoria.

Australasian Slag Association: Technical Seminars

To arrange a technical presentation for your workplace contact info@asa-inc.org.au

A one day **Conference** on

Sustainability, Construction Materials and your Bottom Line

SUSTAINABILITY & SLAG

4th May 2007 Shangri-La Hotel 176 Cumberland Street The Rocks Sydney

Register your interest today at www.asa-inc.org.au



WORKSHOP TAKES UP ACTION AGENDA ISSUES

THE DEPARTMENT OF INDUSTRY, TOURISM AND RESOURCES is supporting ASA Conference workshop 3B, following up on the key issue identified by the Cement Industry Action Agenda (CIAA). The ASA and member companies contributed significantly to the development of outcomes of the Action Agenda, particularly related to the use of alternate raw materials and the use of supplementary cementitious products, particularly iron and steel slags in concrete and construction.

The workshop objective is to identify

pathways for Government (all levels) and Industry actions that can lead to the removal of legal or regulatory barriers for utilisation, thus increasing the uptake of alternatives raw materials and supplementary cementitious materials.

Workshop participants will include people from Federal Government Departments (DEH, DITR, EPHC, NEPC, WWG), State Departments & Agencies, State EPA's, Resource & Planning Departments, Local Government representatives, o Environment & Planning representatives and Industry stakeholders.

AUSTRALASIA NEWS

ASMS – PAUL THEODOSSIADIS has been appointed as the new Manager Sales and Marketing. The transition to this role has been made easier since Paul has worked with in the Sales and Marketing team as Manager Business Development for the past five years. Paul has worked at ASMS for the past 16 years has held roles in Electrical Projects, Project Management, Human Resources and Business Development.



SHANI SMITH LEAVES ASMS – After a number

of years as Manager Sales and Marketing for ASMS, Shani Smith has moved back to Queensland to take up a position with Rinker. Shani is a past chairperson of the

Association and up until leaving ASMS was Chair of the Education and Promotion Committee. She has also been a significant driving force behind the ASA Sustainability and Slag Conference 2007. The Association acknowledges with thanks the significant effort Shani has contributed to the success of the Association and wishes her well in her new career move.



JASON NAIRN LEAVES SUNSTATE – Jason Nairn has recently moved from Sunstate Cement in Brisbane to take up the role in as Product Design Manager for concrete sleeper manufacturer Austrack P/L, working from Brisbane. Jason has worked for Sunstate Cement for the last four years where he held

SLAG – “THE ULTIMATE RENEWABLE MINERAL RESOURCE”

The video has proved to be very useful to many members. New additional footage has been incorporated demonstrating the beneficial properties of slag in various large-scale projects completed in recent years. The video (15 minutes duration) outlines slag's historical beginnings through to the various types of slag produced in a



modern production process today.

Copies are available to members at a cost of \$15.00 each and to non-members \$20.00 plus postage and handling.

CD TECHNICAL RESOURCES

ASA produces a number of high quality technical guides (i.e. the new – “A Guide to the use of Iron and Steel Slag in Roads” and the “Guide to the Use of Steel Furnace Slag in Asphalt and Thin Bituminous Surfacing”) bulletins, newsletters and general industry information on current issues. The Education and Promotion

Committee has developed a Technical Compendium on CD; an invaluable readily accessible reference tool for engineers, specifiers, consultants, government authorities, and slag users: *A limited number of hard copies are also available.* Copies are available to members at a cost of \$15.00 each, non members \$20.00 – plus postage and handling. Updated CD's will be available for registered users as new material is added.



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INTERNATIONAL

THE 5TH EUROPEAN SLAG CONFERENCE ORGANISED BY EUROSLAG – The European Slag Association, will be held from September, 19th to 21st 2007 in Luxembourg-city. As a country with a strong steel industry background, Luxembourg has been elected to be the European Capital of Culture in 2007, implying that a lot of international events will happen there.

The goal of the conference is to gather the best international experts in production, processing, marketing and use of slags, in order to exchange knowledge, to update technical information and to discuss the new trends for a better valuation of the materials. Key points will be the development of the European legislation and standards, along with a consistent involvement in environment protection.

24 papers will be presented by recognised specialists from Europe, USA and Japan, distributed in four sessions:

1. Legislation and standardisation
2. Quality management systems
3. Applications
4. Environmental affairs

In addition to the papers, EUROSLAG has organised an attractive visit to the Arcelor-Mittal steel plant in Belval and to the modern and powerful slag processing facility of Cloos S.A. in Differdange.

Contact www.euroslag.org

Company Members

A primary role of our Association is to bring together Slag Producers, Processors, Customers and Suppliers to the Slag industry. Our activities cover Technical Developments, Plant Operations and Processes, Education and Promotion. If you would like more information on the Association and how you can become involved, just complete the information section at the end of this newsletter. Current membership is as listed below.

Australian Steel Mill Services Pty

BlueScope Steel Ltd (Port Kembla)
Brambles Equipment Ltd
Brambles Industrial Services Ltd (Whyalla)
Concrete Pty Ltd
CSIRO CMIT
EcoCem Pty Ltd
HiSmelt Ltd
Holcim NZ Ltd
Hunter Mill Services Pty Ltd
Komatsu Australia Ltd
MultiServ Australasia Pty Ltd
MultiServ (UK)
University of Newcastle
University of Wollongong

Premium Tyre Service Pty Ltd
Readymix Holdings Pty Ltd
Roads & Traffic Authority of NSW
Slag Cement Sdn Bhd (Malaysia)
Smorgon Steel Ltd (Melbourne)
Smorgon Steel Ltd (Newcastle)
Steel Cement Ltd
SteelServ Ltd (NZ)
Steelstone Services
Sunstate Cement Ltd
Wormald Fire Systems Ltd

Personal Members

Anderson, L
Dobson, G

Gregory, G
Hanley, P (Hon.)
Hinczak, Dr, I (Hon.)
James, W (Hon.)
Jones, D E (Hon.)
Heaton, B (Hon.)
Maric, M
Prosser, S D (Hon.)
Venour, M (Hon.)Hon

Related Associations

National Slag Association (US)
Nippon Slag Association (Japan)
European Slag Association (EU)