

Welcome

CSRP Sustainability Methodologies and Tools Workshop

Wednesday 7th December 2005

Purpose of Today's Workshop:

A forum for the exchange of ideas and experiences in how industry is applying sustainability principles in its business and how it is measuring success in this area

Today's Agenda

- ▶ **Session 1 (8:30 – 10:30)**
 - introduction and scene setting,
 - frameworks and models:
 - panel session
 - ▶ **Session 2 (10:45 – 12:30)**
 - evaluation and social interaction:
 - panel session
 - ▶ **Session 3 (1:15 – 3:00)**
 - process and engineering design:
 - panel session
 - ▶ **Session 4 (3:15 – 4:00)**
 - CSRP research activities: panel session
 - Conclusions
- Drinks & Social Interaction (4:00 – 5:30)**

Session 1

8:30 – 10:30

- Introduction and Scene Setting: *Introduction – Erica Smyth*
- Frameworks and Models: *Alexis Fernandez (Rio Tinto), Gavin Price (BHP Billiton)*
- Panel Session: *Maurice Barton (USyd), Vanessa Guthrie (URS), Peter Elliot (URS)*

The Big (Sustainability) Picture

Erica Smyth

Key Initiatives

- **Independent Sustainability Indexes**
 - Global Reporting Initiative (GRI) 1997 +
 - Dow Sustainability Index 1999 +
- **Global Mining Initiative** 2000
- **Formation of ICMM** 2001- 7 questions followed by 10 Principles
- **World Summit** on Sustainable Development in Johannesburg 2002
- **GRI Sustainability Reporting Guidelines** 2002
- **World Bank** Sustainability Reference Guide 2005
- Minerals Council of Australia – **Enduring Value** - Framework for Sustainable Development –2005
- **World Summit reflections** – 10 successes and failures

ICMM 10 Principles

- 1. Implement and maintain ethical business practices and sound systems of corporate governance.**
- 2. Integrate sustainable development considerations within the corporate decision-making process.**
- 3. Uphold fundamental human rights and respect cultures, customs and values in dealings with employees and others who are affected by our activities.**
- 4. Implement risk management strategies based on valid data and sound science.**
- 5. Seek continual improvement of our health and safety performance.**

ICMM 10 Principles (cont)

- 6. Seek continual improvement of our environmental performance.**
- 7. Contribute to conservation of biodiversity and integrated approaches to land use planning.**
- 8. Facilitate and encourage responsible product design, use, re-use, recycling and disposal of our products.**
- 9. Contribute to the social, economic and institutional development of the communities in which we operate.**
- 10. Implement effective and transparent engagement, communication and independently verified reporting arrangements with our stakeholders.**

10 Successes Since 2002

- **1. An ozone-friendly future**
The ozone layer is beginning to recover. International co-operation to eliminate ozone-depleting chemicals has been successful.
- **2. Small is bountiful**
Even though international progress since Rio has been slow, thousands of practical projects at a grassroots level have borne fruit.
- **3. The rise and rise of civil society**
Experts, interest groups and ordinary people have made inroads into the policy-making process.
- **4. Sustainability, Inc.: the emergence of corporate social responsibility**
Business is beginning to recognize its wider responsibility towards people, communities and the environment.
- **5. Levelling the information playing field**
Electronic communications are making information more widely available and decision-making more transparent.

10 Successes Since 2002 (cont)

- **6. Knowledge is power: pushing the boundaries of science and technology**

Major advances have been made in the way we understand natural systems, **and in the development of sustainable technologies.**

- **7. Keeping track: measuring progress towards sustainability**

The **development of more accurate indicators and accounting practices** gives us a better picture of our progress toward--or our movement away from --sustainability.

- **8. The Kyoto Protocol: global problem, global solution**

Despite a U-turn by the U.S. and some backtracking in Bonn, **Kyoto** represents a crucial milestone on the road to a stable atmosphere.

- **9. Permeating the corridors of power**

In several countries, the principles of sustainable development have begun to infiltrate the machinery of governance.

- **10. Other promising starts: landmark agreements on chemical and biological risks**

Environmental agreements like the Bio-safety Protocol and the Stockholm Convention on Persistent Organic Pollutants offer new safeguards for communities and the environment, provided that they are matched by strong leadership.

10 Failures Since 2002

- **1. The breakdown of the Rio bargain**

The 10 years since Rio have been a lost decade, marked by the collapse of leadership and a failure of the rich countries to deliver on their 1992 promises.

- **2. Pulling up the ladder: the widening wealth gap**

Despite rising incomes globally, the number of people living in absolute poverty continues to rise.

- **3. Use it up, throw it out: over-consumption as a way of life**

Despite increased awareness of the problems, it seems **developed countries remain wedded to their pollution-intensive lifestyles.**

- **4. What price aid? The folly of the Washington Consensus**

Strings attached to financial aid packages have done substantial harm to developing countries.

- **5. Costing the Earth: economics still sends the wrong signals**

Delegates at Rio recognized that economics and the environment needed to be brought into line, but it seems the environment is still being short-changed.

10 Failures Since 2002 (cont)

- **6. Whatever happened to world peace?**
High hopes for harmony following the end of the cold war have been dashed by a fresh spate of armed conflicts.
- **7. Sea sickness: oceans and fisheries in peril**
Marine ecosystems have paid a high price for overfishing, pollution and coastal development.
- **8. Pressure mounts around scarce water resources**
Climate change, coupled with political tensions and **competition for increasingly scarce clean water**, provides a recipe for conflict.
- **9. The human tragedy of AIDS**
The AIDS virus has wreaked havoc on developing countries, especially in Africa, and the devastation continues.
- **10. Lost forever: species extinctions continue unchecked**
Despite the good intentions of the Biodiversity Convention, thousands of species a year are disappearing from the face of the planet.

And Today....

4 Sessions: *Frameworks, Evaluation and Social Interaction, Process Engineering and CSRP Research.*

First 3 Sessions *with 2 short industry presentations followed by discussion with panel.*

A final session on current CSRP research *and discussions on gaps for future research.*