

## Conference Day 1 – Thursday 19<sup>th</sup> April 2012

08.30 Welcome Breakfast

### 08.45 **Chairman's Welcome**

Roger Manser, Former Managing Editor, Platts/Steel Business Briefing

### 09.00 **Opening remarks from the German Steel Federation**

The conference will open with a welcoming of the delegates to Berlin and an outline of the importance of sustainability to the German Steel Industry

Hans Jürgen Kerkhoff, President, **German Steel Federation**

## **EFFECTS AND IMPACTS OF ENVIRONMENTAL ISSUES ON THE GLOBAL STEEL TRADE AND THE LOCATION OF PRODUCTION**

### 09.15 **Ensuring the steel industry is on track to move towards a sustainable future**

- Delivering investments in improved equipment and practices in spite of reduced margins
- Creating a cohesive roadmap to environmental sustainability despite differing National incentives
- Promoting the idea that steel has an important role to play in a future environmentally sustainable society

Dr. Edwin Basson, Director General, **World Steel Association**

### 09.40 **Overview of the environmental issues which are driving today's steel industry**

- How the European Iron and Steel industry deals with the unabated amount of environmental legislation
- Environmental legislation in the pipeline
- European industry being a prerequisite for a continued sustainable European society, like we know today

Danny Croon, Environment Director, **EUROFER**

### 10.05 **The impact of climate change regulation on steel production globally – How can steel go green and survive?**

- Taking the case to the regulators: Can the steel industry become proactive?
- Is a sectoral agreement on climate change a reality, and how will this affect the future regulatory landscape?

Arnaud Willems, Partner, **Sidley Austin**

### 10.35 **Networking Coffee Break**

### 11.05 **How should steelmakers react to increasing volatility of input factors (incl. CO2)**

- Emerging trends
- How have similar markets (e.g, aluminum) evolved?

- Possible evolution pathway for steel
- Implications for steelmakers and their customers
- Strategies that steelmakers can adopt to deal with the new situation

Michel Van Hoey, Partner, **McKinsey & Co**

11.30 **Relevance of Life Cycle Assessment and carbon footprint for the steel industry**

- Examination of the methodological frameworks and challenges
- Guidance on how to use and implement Life Cycle Assessment?
- Case study examples

Dr Matthias Finkbeiner, Professor of Life Cycle Analysis, **Berlin Technical University**

11.55 **A life cycle approach to sustainable product strategies**

Louis Brimacombe, Head of Environmental Technology, **Tata Steel**

**GLOBAL GREEN STEEL CASE STUDIES**

12.20 **Green Initiatives within Brazilian Steel Production: Arcelormittal Brazil Case Study**

- How is the Brazilian Steel industry approaching a sustainable future?
- Details of AM Brazil's current and future green initiatives including decreasing the carbon footprint of their logistic operations
- Future plans and timelines for meeting environmental regulatory demands

José Otávio Andrade Franco, Long Carbon South America Environment Manager, **ArcelorMittal Brasil**

12.45 **Networking Lunch Break**

14.25 **The Worlds Greenest Steel manufacturer? Jersey Shore Steel Company Case Study**

- Over view of Jersey Shore Steel company, a US based steel producer who use 100% recycled materials and have a documented negative carbon footprint
- Details of their production methods which allow them to tap methane gas from a nearby landfill and reheat and reroll T-rails to produce bars used in furniture, agriculture, fence posts and other applications

Thomas Tillman, Vice President Sales, **Jersey Shore Steel Company**

14.50 **Severstal Case Study: Environment and sustainability initiatives from Russia's biggest steel producer**

Vladimir Shatunin, Manager of Industrial Safety, **Severstal**

15.15 **PANEL DISCUSSION: Making Carbon Steel in a Carbonless Society**

- What are the realities of carbon steel in a carbonless economy?
- The economics and implications of a 'green' steel industry
- How do 'Green' power initiatives affect a sustainable steel industry?
- How do regional approaches inhibit sustainable steel production?

Chaired by: Steve Rowlan, General Manager of Environmental Affairs, **NUCOR**  
Christopher Beauman, Senior Adviser, **EBRD**  
Baroness Worthington, Founder, **Sandbag**  
Mike Romano, Vice President of Strategic Accounts, **NALCO**

16.15 Networking Coffee Break

16.40 **The Environmental/Economic Return on Investment of sustainability**

Mike Romano, Vice President of Strategic Accounts, **NALCO**

**THE IMPACT OF CO2 PRICE TRENDS AND IMPLICATIONS FOR THE STEEL INDUSTRY**

17.05 **Overview of the issues and implications of emissions trading in 2012**

- Update on the regulatory landscape of global Emissions trading
- Phase 3 changes including auctions and benchmarking,
- The use of offsets post 2012

Simone Ruiz, European Policy Director, **International Emissions Trading Association (IETA)**

17.30 **The global march of carbon pricing and implications for the steel market**

- Impact of the carbon trading in China – What does this mean for the industry
- Details of the PAT scheme in India
- Outline of the Australian carbon market
- Possible carbon market in Korea and Japan: how will this affect steelmaking in these regions?

Baroness Worthington, Founder, **Sandbag**

18.55 **Chairman's Closing Remarks**

Roger Manser, Former Managing Editor, Platts/Steel Business Briefing

18.00 *Evening Cocktail Reception*

**Conference Day 2 – Friday 20<sup>th</sup> April 2012**

08.30 Welcome Breakfast Day 2

08.55 **Chairman's Day 2 Opening Remarks**

Roger Manser, Former Managing Editor, Steel Business Briefing

09.00 **Carbon leakage: What is currently being done to ensure European Steelmakers are incentivised to continue operating in the region?**

- The implications of a likely loss of new investment in the region by foreign steel companies

	Dr. Hans-Jörn Weddige, Vice President , Environment & Climate, <b>ThyssenKrupp Steel</b>
09.30	<p><b>Green iron and steel making technologies</b></p> <ul style="list-style-type: none"> <li>- Leveraging technologies to reduce CO2 emissions at the point of production</li> <li>- Utilising technology to transfer steel production waste streams into beneficial green resources</li> </ul>
10.00	<p><b>Finance and the transition to Green Steel</b></p> <ul style="list-style-type: none"> <li>- What are the policy preconditions required?</li> <li>- What are the implications for Steel company strategies and profitability in the EU and the CIS?</li> </ul> <p>Christopher Beauman, Senior Adviser, <b>EBRD</b></p>
10.30	<i>Coffee and Networking Break</i>
11.00	<p><b>WELLMET2050: Dramatically reducing energy use and carbon emissions in steel manufacturing</b></p> <ul style="list-style-type: none"> <li>- Steel, aluminium and the carbon targets 2010–2050</li> <li>- Exploring untried efficiencies such as streamlined metal fabrication and the direct re-use at the end of the construction lifecycle</li> <li>- Programme updates and timelines</li> </ul> <p>Dr Julian Allwood, Group Leader, <b>WELLMET2050 – Cambridge University</b></p>
11.30	<p><b>Green steel and the construction industry – Current and future applications</b></p> <ul style="list-style-type: none"> <li>- Green Steel Construction: Exploring the recyclability and sustainability offered through high grade steel projects</li> <li>- Sourcing sustainable steel: Insight into the construction industry's sustainable sourcing initiatives</li> </ul>
12.00	<p><b>Look to the future: What costs will steelmakers face in 2030?</b></p> <ul style="list-style-type: none"> <li>- An assessment of potential fluctuations in cost and availability of materials for Steel producers in 2030. A rare opportunity to evaluate how the industry will evolve and how producers can stay competitive in the long term</li> </ul> <p>Roger Manser, Former Managing Editor, <b>Platts/Steel Business Briefing</b> Tomas Gutierrez, Analyst, <b>Platts/Steel Business Briefing</b></p>
12.30	Chairman's closing remarks
12.35	<i>Close of Conference</i>