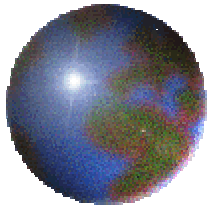
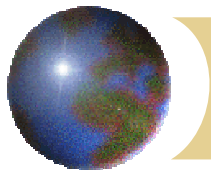




The importance of Health, Safety and Environmental Issues to the Mn industry



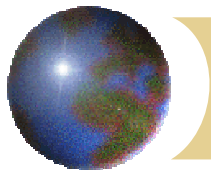
IMnI Annual Conference – Tokyo – June 2004
Catherine TISSOT-COLLE
ERAMET VP – Environment & Industrial Risks
OHES Committee Chairperson



Living in a challenging world

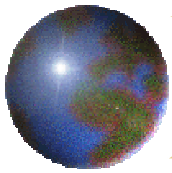
- ❖ As corporate citizens, we are all living in a rapidly evolving world:
 - ❖ Increasingly concerned by public health and environmental issues
 - ❖ Increasingly driven by a growing number of varied and complicated regulations
 - ❖ Increasingly vigilant with regards to company liability

And increasingly challenging and competitive as far as markets and business development are concerned



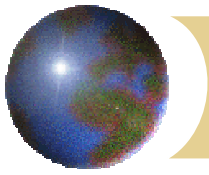
From sites management

- Initially, environmental issues were mainly related to plant operations:
 - Air and water releases, waste management, etc.
 - Operating permits
 - Relationships with the communities
- Step by step, binding regulations have been implemented in these fields in the different countries : US, EU, Japan, etc.
- China is now reinforcing its environmental regulatory management, promoting clean production



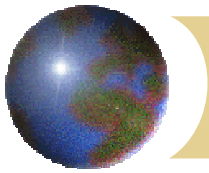
...to products policy

- For some years, especially in the European Union, environmental constraints have been more and more moving from site management to market issues
- Safe management of the products put on the market is becoming a new requirement
- Such new approaches are known as “Integrated approaches” (from cradle to grave), becoming a new major responsibility for the industry at large
- Until recently, these issues were not perceived as key by either industry managers or boards



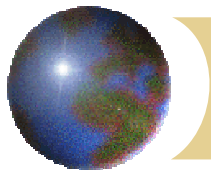
What is at stake for the Mn Industry ?

- The IMnI Board has chosen to dedicate part of this Annual Conference to “OHES” issues
- Our industry is indeed directly impacted through different aspects:
 - Even if Mn is an essential element for human health, it could be also harmful in some circumstances (neurotoxic effects)
 - Both our workers and the public have to be warned and protected against any potential adverse effects our activities could engender
 - Our markets are growing: our duty is to defend them against unreasonable regulations or restrictions



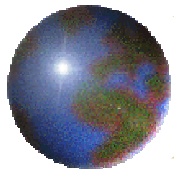
The Global Framework

- ❖ All countries are concerned, now or in the near future:
 - ❖ **Our markets are global, the IMnI members are coming from all over the world**
 - ❖ **What is happening in one region or one country may become a reference for the others**
 - ❖ **The European Union has now chosen to take the lead in the environment field ; many new regulations have been recently adopted and many others are being elaborated**
 - ❖ **These regulations could be imposed as world standards through international conventions and organisations (ex : OECD)**
 - ❖ **In the US, legal actions are increasingly environmentally oriented**



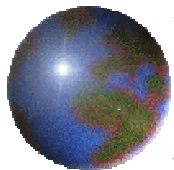
An example: REACH

- The New Chemicals Policy (NCP) is the European Commission's most ambitious initiative to date regarding a products policy
- The project is known as the "REACH" system:
 - **R**egistration, **E**valuation and **A**uthorisation of **C**hemicals
- The logic driving REACH is to revert the burden of proof from the authorities to the industry
- Industry will have to produce and submit for all substances produced or imported in Europe a comprehensive document : "no data, no market"
- The document will require health, toxicological and eco-toxicological data on the substance, based on different modes of production and uses



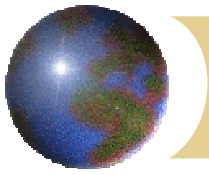
REACH Challenges for the Metals Industry

- **The industry's advocacy action plan aims:**
 - **To limit the scope of the project to a reasonable perimeter**
 - **To ensure that metals receive specific treatment and are not lumped in with organic chemicals**
 - **To avoid having excessive burden weight on down-stream users, such as alloy producers**
- **Where we stand and what to expect.**
 - **The EU authorities have recognised the need of a methodology to assess metals**
 - **Whatever the outcome of our lobbying activities, we have to anticipate and be pro-active**
 - **Data poor metals, such as Mn, will require extensive test programs (health and environmental toxicity)**



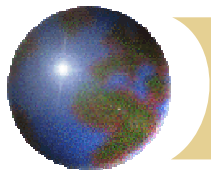
How to work together

- The IMnI OHES Committee's purpose is to provide scientific and regulatory support to members to deal with health & environmental issues
- IMnI is very happy and proud to grow and to welcome new members
- We are eager to welcome them all in our OHES Committee in order to :
 - Learn from each other and exchange experiences
 - Establish appropriate strategies
 - Elaborate efficient tools to cope with all challenges



The OHES Session

- ❖ Our purpose today is:
 - ❖ To inform you about the most important issues at stake for the Mn Industry
 - ❖ To convince you that **we have to strengthen our efforts:**
 - We need sound science to present and defend our case
 - We need close cooperation between environment experts, business managers and top management
 - We must consider these issues as an inescapable part of our business



The OHES Session

☉ The session presentations will cover a wide set of issues:

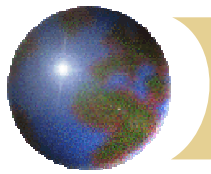
☒ Legal issues: the welding litigation in the US

☒ Science and research issues:

- The Scientific Criteria Document
- The Mn Health Research Program (MHRP)

☒ Industry initiatives:

- Life Cycle Assessment in South Africa
- The MMT Health and Environment Program
- Japan's Efforts to Produce Ferro Alloys Cleanly



The OHES Session

- ✿ Our speakers are highly qualified experts and deeply involved in their subjects.
- ✿ I would especially like to thank Charles READ and Dr Leonard LEVY for having accepted our invitation
- ✿ I hope you enjoy this morning's session but also learn from it

Thank you for your attention !