



*Union Européenne des Producteurs de Granulats
Europäischer Gesteinsverband
European Aggregates Association*

Challenges in Harmonisation of Health and Safety Data Sources

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***Chairman, Health and Safety Committee
European Aggregates Association***

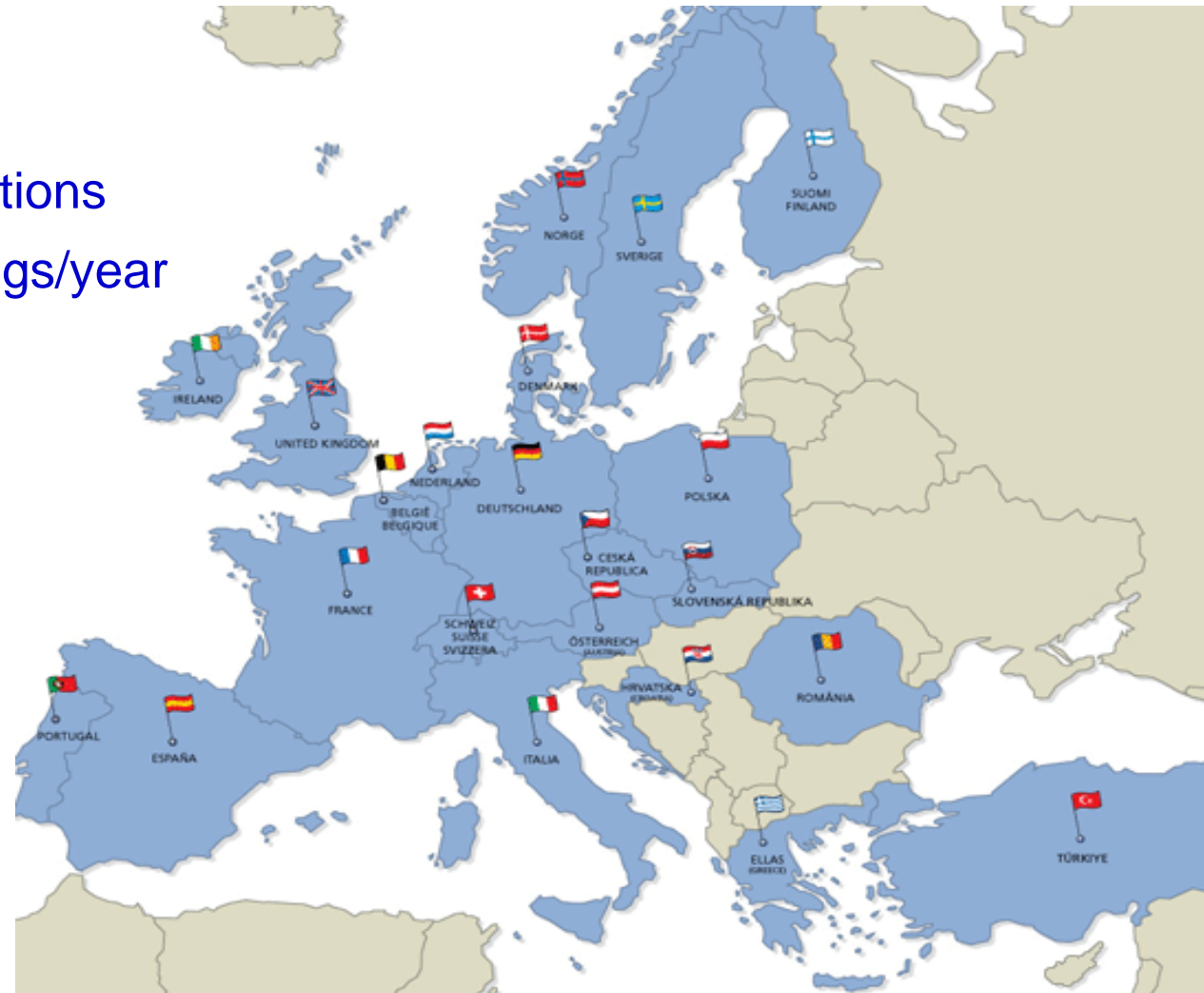


5th Atlantic Alliance Conference
25-26 September 2008
Lansdowne Resort, Leesburg Virginia

Session 3
Benchmarking:
Injury Statistics and Best Practice

UEPG Members

- 22 National Associations
- 3.4 billion tonnes aggs/year



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Aggregates – A Global Market!

Aggregates from



Europe (EU27)

+



North America

= 1/3

Asia-Pacific = 50%



Global Market

21,700 million metric tonnes

Data source: JP Morgan
'Global Equity Research' report, 10 September 2008

Aggregate companies ranked by 2007 production (million tonnes)

Heidelberg Cement + Hanson	Germany	336
Cemex + Rinker	Mexico	277
CRH	Ireland	260
Lafarge	France	259
Vulcan + Florida Rock	USA	239
Holcim	Switzerland	188
Martin Marietta Materials	USA	165
Colas	France	117
Anglo American	UK	95
Vinci	France	81
Italcementi	Italy	56

Data source: JP Morgan* – ‘Global Equity Research’ report, 10 September 2008
*part of JP Morgan Chase

Estimated market shares in UK aggregates industry, 2007

Tarmac	23%
Holcim	18%
Heidelberg	17%
Cemex	13%
Lafarge Aggregates	9%
OTHERS	20%

80% (aggregates)

= 86% (asphalt)
= 90% (ready-mixed concrete)

Data source: JP Morgan
'Global Equity Research' report, 10 September 2008

“Safety in the Cement Industry”

Guidelines for measuring and reporting

October 2005

(currently under revision)

Published by:

***World Business Council
for Sustainable Development***

<http://www.wbcsd.org/web/publications/cement-safety-guide-oct05.pdf>





World Business Council for
Sustainable Development

Cement Sustainability
Initiative

CSI has five Task Forces:-

TF1 Climate protection

TF2 Responsible use of fuels and raw materials

TF3 Employee health and safety

TF4 Emissions monitoring and reporting

TF5 Local impacts on land and communities

The Employee Health and Safety Task Force (TF3) has developed common standards and cross-company systems to measure, monitor and report on health and safety performance, which the individual companies can then implement

Task Force Leader: Jim O'Brien, CRH, Ireland, (JOBrien@crh.com)

.... little point in 're-inventing the wheel'



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Overall aim: “Excellence in safety performance”

“Ensuring healthy and safe working conditions for employees and contractors is one of the most important issues for the cement industry”

“Safety in the Cement Industry” – page 3

*In the Aggregates industry,
the expectation is:
Zero Injuries*

H&S must be the No.1 issue

Requirements :

- **Definitional clarity**
- **Common basis for reporting :**
 - *causes*
 - *frequencies*
 - *trends*

Intended outcomes :

- ‘Lag’ and ‘lead’ indicators
- **Better benchmarking**
- **Transparency & consistency**



DATA COLLECTION BY QPA			MANDATORY
Number of Direct Employees (change to 'Full-time Equivalents')			✓
Fatalities	Direct Employees		✓
	Indirect Employees	Hauliers (Truckers)	✓
		Contractors	✓
	Third Parties		✓
RIDDORs (3+ days)	Direct Employees		✓
	Indirect Employees	Hauliers (Truckers)	✓
		Contractors	✓
Lost Time Incidents (1+ shift)	Direct Employees		✓
	Indirect Employees	Hauliers (Truckers)	✓
		Contractors	✓
Days Lost	Direct Employees		✓
	Indirect Employees	Hauliers (Truckers)	✓
		Contractors	✓
Hours worked	Direct Employees		✓
	Indirect Employees	Hauliers (Truckers)	estimate
		Contractors	estimate
Third Parties - Hospital treatment			✓



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UEPG Sustainable Development Data Collection Form

- ▶ SD “Economic Pillar” Reporting, per UEPG Member
- ▶ SD “Environmental Pillar” Reporting, per UEPG Member
- ▶ SD “Social Pillar” Reporting, per UEPG Member

			Number
Total number of Direct Employees (Full-time Equivalents)			
Fatalities	Direct Employees		
	Indirect Employees	Hauliers (Lorry drivers)*	
		Contractors	
Lost Time Incidents	Direct Employees		
	Indirect Employees	Hauliers (Lorry drivers)*	
		Contractors	
Hours worked (estimate)	Direct Employees		
	Indirect Employees	Hauliers (Lorry drivers)*	
		Contractors	
Development of skills: Total number of hours of training			
Communication with local community: Total number of public events			

* if employed directly, then count as Direct Employees



Data Challenges

- Fluctuation of data: new companies joining, others leaving
- Different companies will have their own priorities & resources
- Different *countries* will have their own priorities & resources
- Reluctant or lethargic reporting
- Misunderstanding of definitions
- Poor site/company record keeping, particularly on health issues

Biggest Challenge :

- Achieving international buy-in to 'name & shame' – **PEER PRESSURE!**

Accepted that **PEER PRESSURE** will probably only be acceptable if applied *internally*, i.e. intra-industry.

Is our Industry mature enough? it is in the UK!

‘Lead’ Indicators (in addition to the more familiar ‘Lag’ Indicators)

Training

- **Numbers of SHE NVQ Registrations at Levels 3, 4, 5**
- **Numbers of SHE NVQ Certifications**
- **Numbers of NVQ Certifications at all levels**

Worker Involvement (Union and Non-Union)

- **Numbers of trained Union & Non-Union Safety representatives**
- **Numbers of safety representatives needing training**
- **Number of Safety Committees**

Near Hits

- **Most companies have some form of Near Hit (Near Miss) reporting**

Health Surveillance

- **Numbers of companies complying with Industry agreed Guidance**



Future Challenges

- For every responsible company, health and safety must be No.1
- Scope must be extended to 'difficult' subjects, e.g.: health
- Peer pressure, though a 'blunt instrument', is clearly effective
- Focus to shift from 3+ day data, to Lost Time (1+ shift) data
- More and better 'lead' indicators
- Increasing emphasis on benchmarking with related industries
- Increased transparency
- Extended willingness to share H&S information and best practice
- Greater use of and contribution towards www.Safequarry.com



Thank you for listening!

