



**GOOD HEALTH &  
SAFETY PRACTICES**  
IN THE EUROPEAN AGGREGATES INDUSTRY



HEALTH AND SAFETY COMMITTEE



Union Européenne des Producteurs de Granulats  
Verband Europäischer Sand-, Kies- und Schotter-Produzenten  
European Aggregates Association

# GOOD HEALTH AND SAFETY PRACTICES IN THE EUROPEAN AGGREGATES INDUSTRY

## UEPG Health and Safety Committee

César Luaces Frades

# Union Européenne des Producteurs de Granulats UEPG

- 21 countries
- 13.500 companies
- 28.500 extraction sites
- 350.000 workers
- 3.000 Mt of Aggregates/year





Union Européenne des Producteurs de Granulats  
Europäischer Gesteinsverband  
European Aggregates Association



# UEPG Health and Safety Committee

# UEPG – Health and Safety Committee

- 29 Members
- Supported by technical experts
- Chair: Rafael F. Aller (FdA – Spain)
- Vice-chair: Martin Isles (QPA – U.K.)
- Secretary: César Luaces Frades (FdA – Spain)

## Zero accidents objective

- To **identify health and safety situation and problems** for the European Aggregates Industry
- To promote **H&S integration** within aggregates companies
- To **promote H&S good practices** across the aggregates industry
- To **establish improvement H&S targets** regarding specific issues:
  - **exploitations and treatment plants design,**
  - **workers participation,**
  - **subcontractors,**
  - **others**



## Zero accidents objective

- To **identify key health and safety themes** for the European Aggregates Industry (e.g. silica sand, vibrations, dangerous substances)
- To promote the **industry's health and safety performance** more effectively through UEPG website and a strong network
- To establish a workable SDI reporting scheme adapted to the sector, including **H&S statistical accident data** (official or estimations from Member Associations)



Union Européenne des Producteurs de Granulats  
Europäischer Gesteinsverband  
European Aggregates Association



# GOOD HEALTH AND SAFETY PRACTICES IN THE EUROPEAN AGGREGATES INDUSTRY

**GOOD HEALTH &  
SAFETY PRACTICES**  
IN THE EUROPEAN AGGREGATES INDUSTRY



HEALTH AND SAFETY COMMITTEE

# H&S Good practice concept

European Agency for Safety and Health at Work

- **Implemented solutions** in aggregates companies to **prevent the exposure of workers to risks during quarrying activities, beyond the legal requirements.**
- **All examples should show good management**, particularly the effective use of risk assessment and implementation of its findings, and be **focused on the successful prevention of risks to workers.**
  - That can be taken at enterprise level to improve working/living conditions
  - Risks tackled at source through good management
  - Successful implementation in the workplace
  - Real improvements
  - Sustainability across time
  - Good consultation between management and the workforce
  - Possibility of transfer to other aggregates companies and preferably to SMEs
  - ‘Freshness’ of information provided.



# Examples of good practices

<b>GENERAL ASPECTS OF RISK PREVENTION</b>	<b>TRAINING</b>
	<b>INFORMATION</b>
	<b>PARTICIPATION</b>
	<b>HUMAN FACTORS</b>
	<b>OTHER ASPECTS</b>
<b>EXTRACTION SITE</b>	
<b>TREATMENT PLANT</b>	<b>CONTROL CABINS</b>
	<b>HOPPERS, CRUSHERS AND OTHER EQUIPMENT</b>
	<b>CONVEYOR BELTS</b>
	<b>TRANSIT ZONES</b>
	<b>PROTECTIONS AND SAFEGUARDS</b>
	<b>WORK CONDITIONS</b>
<b>MOBILE EQUIPMENT</b>	
<b>AUXILIARY OPERATIONS</b>	<b>MAINTENANCE</b>
	<b>EXTERNAL TRANSPORT</b>
	<b>SAMPLING</b>
	<b>VISITORS</b>

# Procedure/Involvement

- A survey has been sent to UEPG Member Associations (10 October 2005)
- Each UEPG Member asked its member companies for examples. Member companies aggregate gave examples of Good Practices in H&S, according to:
  - A short questionnaire, in English.
  - Two pictures in digital format (jpeg or tiff file).
- A small H&S Good Practice Task Group (<6 persons), that has been nominated by the UEPG H&S Committee selected examples and drafted the document.
- The draft was circulated to all UEPG Members for comments.
- The final document (English version) was approved by the UEPG Health and Safety Committee.
- Final document: 7 March 2007



Union Européenne des Producteurs de Granulats  
Europäischer Gesteinsverband  
European Aggregates Association

# Example of the questionnaire



UEPG H&S Good Practices in the Aggregates Industry  
Proposal

Union Européenne des Producteurs de Granulats  
Europäischer Gesteinsverband  
European Aggregates Association

## UEPG Health and Safety Committee Proposal for a Guide “UEPG H&S Good Practices in the Aggregates Industry”

**EXAMPLE**

COUNTRY	SPAIN
COMPANY	ARIDOS CUTILLAS, S.A.
CONTACT	GABRIEL MONINO HIDALGO
TELEPHONE NUMBER	0034915021417
NAME OF THE SITE / PROCESSING PLANT	ROCK QUARRY
ADDRESS OF THE SITE / PROCESSING PLANT	23, Rock Street 45646 FORTUNA MURCIA
TOTAL NUMBER OF WORKERS OF THE COMPANY (DIRECT)	18
QUARRY	<input checked="" type="checkbox"/>
SAND AND GRAVEL PIT	<input type="checkbox"/>
PROCESSING PLANT	<input type="checkbox"/>
OTHER	<input type="checkbox"/>

### GOOD PRACTICE

(PLEASE, TICK THE APPROPRIATE BOX )

EXTRACTION SITE	MOBILE MACHINERY	PROCESSING PLANT	AUXILIARY OPERATIONS (LABORATORIES, GARAGE, SAMPLING, MAINTENANCE, EXTERNAL TRANSPORT)	PREVENTION GENERAL ASPECTS (TRAINING, INFORMATION, CONSULTATION AND PARTICIPATION OF WORKERS, ACCIDENT ANALYSIS, SAFETY PROCEDURES, SUBCONTRACTORS)	INNOVATION	HUMAN FACTORS	WORKING CONDITIONS (DUST, NOISE, VIBRATIONS, MANUAL LOAD HANDLING, ETC.)	OTHER
	<input checked="" type="checkbox"/>							

### SHORT DESCRIPTION OF THE GOOD PRACTICE

(TEXT OF 150 WORDS OR LESS – 2 PARAGRAPH TIMES 12; 1,5 LINES)

A hydraulic hammer is used to break any big stone in the primary crusher, avoiding the risk of obstruction. This safe practice prevent other dangerous operations related with the accidental blockage of the primary crusher, like the use of pneumatic hammers or bars to clear this equipment.

ADVANTAGES OBSERVED	The risks of falling into the crusher and blows are avoid and the number of hours that the plant is stopped due to this problem is reduced.
---------------------	---

**PLEASE SEND ONE TWO PICTURES RELATED TO THE GOOD PRACTICE, IN A DIGITAL FORMAT (JPEG OR TIFF FILE)**

# Final document

- N° of examples: 206
- N° of contributing countries: 16
- N° of companies: 86
- N° of pages: 108
- Size: A4



# Contributions FINAL

	COMPANIES	EXAMPLES
AUSTRIA	1	2
BELGIUM	2	2
<b>CROATIA</b>	<b>0</b>	<b>0</b>
CZECH REPUBLIC	2	5
DENMARK	VARIOUS	1
FINLAND	1	1
FRANCE	16	36
GERMANY	26	33
<b>GREECE</b>	<b>0</b>	<b>0</b>
<b>IRELAND</b>	<b>0</b>	<b>0</b>
ITALY	5	11
NETHERLANDS	VARIOUS	4
NORWAY	2	2
POLAND	1	1
PORTUGAL	1	1
<b>ROMANIA</b>	<b>0</b>	<b>0</b>
<b>SLOVAK REPUBLIC</b>	<b>0</b>	<b>0</b>
SPAIN	15	87
SWEDEN	2	2
SWITZERLAND	1	1
UNITED KINGDOM	11	16
<b>UEPG</b>	<b>86</b>	<b>206</b>
<b>TOTAL COUNTRIES</b>	<b>16</b>	<b>16</b>



Union Européenne des Producteurs de Granulats  
Europäischer Gesteinsverband  
European Aggregates Association

# The guide

Places for the logo of a  
National Association  
(National versions)



UEPG General Secretariat - Rue d' Arlon 21, (B-1050) Brussels - Belgium  
Tel +32 2 233 53 00 - Fax +32 2 233 53 01  
secretariat@uepg.eu  
www.uepg.eu



**GOOD HEALTH &  
SAFETY PRACTICES**  
IN THE EUROPEAN AGGREGATES INDUSTRY



HEALTH AND SAFETY COMMITTEE





Union Européenne des Producteurs de Granulats  
Europäischer Gesteinsverband  
European Aggregates Association

# The CDROM

Places for the logo of a  
National Association  
(National versions)



**GOOD HEALTH &  
SAFETY PRACTICES**  
IN THE EUROPEAN AGGREGATES INDUSTRY



HEALTH AND SAFETY COMMITTEE

**GOOD HEALTH &  
SAFETY PRACTICES**  
IN THE EUROPEAN AGGREGATES INDUSTRY



HEALTH AND SAFETY COMMITTEE



## GOOD HEALTH & SAFETY PRACTICES IN THE EUROPEAN AGGREGATES INDUSTRY

### 176 TROLLEY FOR THE OXYACETYLENE WELDING GAS CYLINDERS TRANSPORT

Holcim - Italia

 This is a trolley for transport of oxyacetylene welding gas cylinders.

The support base has been conceived to facilitate the frontal bottles loading and a safe accommodation during the transport.


#### Advantages Observed

The bottles transport is now more practical and safe, since the risk of the load falling is now avoided.



### 177 GAS BOTTLE TRANSPORTERS

Hanson Aggregates

 The fitting department at this Quarry has designed and fabricated a transporter that makes handling heavy gas bottles a far safer process. A trailer with a winch at the rear lifts the bottles from ground level on a base plate that can be fixed in position. The design incorporates a holster to prevent the gas nozzles being damaged during transit, a bracket to store a fire extinguisher and protruding brackets to keep the hoses neatly stored.


#### Advantages Observed

A specially designed transporter reduces the manual handling of gas bottles and thus the risk of injury.



Lafarge, Áridos y Hormigones, S.A.U.

### 178 HANDLERS

 To reduce as far as possible the risks arising from working at height and the manual handling of loads, the company has decided to provide each of its facilities with a handler unit.

This highly manageable equipment can be fitted with a variety of accessories such as platforms (with handrails, barriers, baseboards, points to moor belt lifelines, safety controls, stabilisers, etc.), forks to move loads, load hoists, small pots, etc.

#### Advantages Observed

In addition to ensuring a most notable improvement to safety and the efficiency of maintenance operations (reducing risks of falls, dropped suspended items, excess effort, etc.), this has had the effect of cutting the number of hours the facilities are shut down.



Rüdersdorfer Zement GmbH

### WORK PLATFORM ENSURES SAFE REPAIR WORK ON THE LIFTING FRAME OF THE WHEEL LOADER



Repair work had to be carried out on the lifting frame of the CAT 990-type wheel loader time and again. There was no guarantee for the stability of personnel carrying out installation work, in particular if oil had been previously spilled.

To eliminate the danger of accidents, a work platform has been constructed which can be mounted onto the wheel loader. Railings and slip-free supplementary grids have been applied to the work platform since it is attached to the right and left sides of the wheel loader at a height of approximately 3.50 m.


#### Advantages Observed

Maintenance work on the lifting frame of the wheel frame can be carried out easily and safely using this work platform.

Basaltos

### DUST SUPPRESSION SYSTEM



 A vacuum-cleaning machine for the accumulated dust has been prepared for the screen.


#### Advantages Observed

A lower exposure to respirable dust of workers in charge of survey, clearing and maintenance of the screen has been achieved.

Compañía General de Canteras, S.A.

### REMINDER SIGNALS FOR THE INSTALLATION OF COVERS



 Signals placed on the covers for the mobile or hazardous components of the installation, such as transmission belts, shafts, mill inertia flywheels, screen eccentrics, motor hot points, etc. are a reminder of the obligation to refit these elements following maintenance or repairs. Posters have also been installed on all panels and in cabinets and rooms, which contain electrical elements, with a prohibition on their handling by unauthorised employees.

#### Advantages Observed

The bad habit of not replacing guards immediately after maintenance has been reduced. There have been no accidents since 2004 due to mishandling of electrical components or devices.



# Examples

Name of the company  
(Reference in chapter 8)

Title

Reference  
number

WBB Minerals

SAFETY INDUCTION BOARD GAME

01



A 30-minute video that uses a fun concept to communicate a serious safety message has greatly improved the company's induction process. The video, which is shown to all new and current employees and contractors, involves a computer-generated character, which works its way around a board game. Each square on the board has a different health and safety topic, such as emergency procedures and incident reporting. When the character lands on a risk square, video users are asked a number of questions to test their knowledge of the issues.



Country  
flag

The video effectively promotes company policy and provides basic health and safety information generic to all sites. Throughout the video, reference is made to the company's commitment to the Health & Safety Executive's Hard Target initiative for accident reduction and to the Health & Safety Executive's 'Hot Topics'. The company's new systems for control of contractors, permits to work and machinery isolation are also covered.

1 picture

## Advantages Observed

- The video is part of a wider induction programme, prompting discussion and a deeper exploration of site-specific safety issues.

# Preface – Pedro Ortun

## GOOD HEALTH & SAFETY PRACTICES IN THE EUROPEAN AGGREGATES INDUSTRY



### PREFACE

I welcome this voluntary initiative of UEPG, the European Aggregates Association to increase knowledge about risk and accident prevention.

This exchange of experience of good practice amongst UEPG's 28,000 sites, which provide jobs for a quarter of a million employees across the European Union, will be a valuable business contribution to promoting corporate social responsibility.

Initiatives like these can be a particularly valuable tool for small and medium sized companies which do not have the resources of larger companies but wish to develop health and safety strategies relevant and appropriate to their needs.

I wish UEPG all success in promoting good practice across Europe through these case studies.

Pedro Ortún Silván  
Director DG Enterprise & Industry  
European Commission



# Introduction - Rafael F. Aller



Rafael Fernández Aller  
Chairman  
UEPG Health and Safety Committee

## INTRODUCTION

The UEPG Health and Safety Committee has taken the initiative of producing this Good Practice Guide to reinforce internal and external commitment and to provide a useful tool to promote the health and safety performance of the European Aggregates Industry.

This Guide is a compilation of more than 200 case studies voluntarily provided by member companies.

The examples, described by the companies, were developed to resolve specific problems in one or more of their operations. Their possible application to other companies in the sector will depend on the particular circumstances.

In the context of the Council Directive 89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the occupational health and safety of workers at work, the term "good practice" implies compliance with the obligations in the legal provisions on the prevention of labour risks and moving ahead in actions which make it possible to improve safety.

This guide contains low cost but nevertheless effective measures as well as some involving larger investment which may require a medium to long-term approach.

Most good practice in the prevention of labour risks as described here, has made it possible to improve the production process, increasing workers' commitment to a company, whilst also increasing employee safety as part of their daily working life.

The UEPG Health and Safety Committee has reviewed and selected the information, to assess whether examples fulfil the good practice concept.

This guide will help UEPG to achieve the following strategic objectives:

- To contribute to sustainable development, laying the foundations for a safe industry with a "zero accident" goal;
- To identify Good Practices in H&S that are applied in European aggregates companies;
- To disseminate effectively UEPG's H&S expertise to EU policy-makers and legislators and become an authoritative source of information on the European Aggregates Industry;
- To exchange knowledge and expertise, from the different member countries;
- To inform UEPG Members and European aggregates companies in a clear and concise way;

As Chairman of the UEPG Health and Safety Committee I would like to thank all the European companies for their health and safety commitment and collaboration. This is the best way to prove that the aggregates industry is well aware of the importance of the social aspects of sustainable development implementation.

# Aggregates Industry H&S Statement

## GOOD HEALTH & SAFETY PRACTICES IN THE EUROPEAN AGGREGATES INDUSTRY



### UEPG HEALTH AND SAFETY STATEMENT

The overall aim of UEPG's Health and Safety engagement is to develop policies aimed at achieving a zero accident objective and safe and healthy working conditions in the European aggregates industry.

UEPG regards "risk prevention at work" as an essential aspect of aggregate production in Europe, already integrated in the EU Sustainable Development policy.

In particular, UEPG has identified the following high-priority issues:

1. To convey European aggregate producers the need to integrate the prevention culture in companies and sites.
2. To effectively disseminate aggregates sector's health and safety expertise to policy-makers and legislators and become an authoritative source of information on behalf of the Aggregates Industry.
3. To participate in and promote projects for the improvement of risk prevention at work issues.
4. To exchange knowledge and expertise, in addition to legislation and documents.
5. To promote health and safety through participation in the forums organized by the administration and other institutions.
6. To develop a coherent overall prevention policy for the aggregates industry which covers technology, organization of work and working conditions.
7. To encourage engineering and management improvements in safety conditions in extraction sites and treatment plants.
8. To upgrade information, dialogue and balanced participation on health and safety at work between employers and workers.
9. To promote safety training for workers, adapted to the particular conditions of each extraction site and to promote the need to give them appropriate instructions.
10. To promote awareness, exchange of information and improvements in occupational health.
11. To promote a common basis for the collection and processing of statistical information to characterise the industry's safety performance.
12. To develop methods of statistical comparison in occupational health.





# H&S Good Practice concept

## GOOD HEALTH & SAFETY PRACTICES IN THE EUROPEAN AGGREGATES INDUSTRY

### 1 HEALTH AND SAFETY GOOD PRACTICE CONCEPT

The European Agency for Safety and Health at Work recommends that good practice examples are developed in aggregates companies to prevent the exposure of workers to risks during quarrying activities, beyond the legal requirements.

All examples show good management, particularly the effective use of risk assessment and implementation of its findings, and are focused on the successful prevention of risks to workers.

A Good Practice should:

- allow those using it to meet the requirements of the appropriate legal frameworks, including European directives, national laws, regulations, guidance and approved standards.
- demonstrate steps and methods that can be taken at company level to improve working or living conditions, or demonstrate steps and methods that can be taken within an organisation to improve working or living conditions and reduce health and safety risks in other companies.
- be effective and ethically tolerable.
- recommend an action that can be identified and verified as the causal factor in the risk reduction.

The main characteristics of the selected Good Practices are:

- workplace focused.
- risks tackled at source through good management, particularly the effective use of risk assessment and implementation of its findings.
- successful implementation in the workplace.
- real improvements.
- sustainability across time, particularly actions that continue to impact during all the site life.
- good consultation between management and the workforce.
- compliance with relevant legislative requirements, preferably going beyond minimum requirements.
- possibility of transfer to other aggregates companies and preferably to SMEs.

The study cases of Good Practice cover:

- the elimination of risks before work begins on site, for example through:
  - good procurement practices of equipment and materials
  - effective tendering processes
  - successful planning and design actions
- the effective management of health and safety risks on site, for example through:
  - new and innovative risk assessment
  - minimisation of risks by work scheduling or planning

# Structure of the guide

EXAMPLES OF GOOD PRACTICES			
<b>GENERAL ASPECTS OF RISK PREVENTION</b>	TRAINING	16	<b>52</b>
	INFORMATION	17	
	PARTICIPATION	7	
	HUMAN FACTORS	7	
	OTHER ASPECTS	5	
<b>EXTRACTION SITE</b>		<b>10</b>	<b>10</b>
<b>TREATMENT PLANT</b>	CONTROL CABINS	3	<b>71</b>
	HOPPERS, CRUSHERS AND OTHER EQUIPMENT	11	
	CONVEYOR BELTS	17	
	TRANSIT ZONES	8	
	PROTECTIONS AND SAFEGUARDS	8	
	WORK CONDITIONS	24	
<b>MOBILE EQUIPMENT</b>		<b>22</b>	<b>22</b>
<b>AUXILIARY OPERATIONS</b>	MAINTENANCE	31	<b>51</b>
	EXTERNAL TRANSPORT	14	
	SAMPLING	4	
	VISITORS	2	

# Collaborating Companies

## COLLABORATING COMPANIES

8

The UEPG Health and Safety Committee want to thanks the companies below for their contributions that have made this guide possible

Country	Company	Examples number
<b>Austria</b>	Cemex - Austria	162,173
<b>Belgium</b>	Antwerp Stone Terminal - Subsidiary of Eurovia	87
	Gralex	18
<b>Czech Republic</b>	Kamen a pisek spol. s r.o.	112

# UEPG Members



## MEMBERS 9

### AUSTRIA

Fachverband der Stein- und keramischen Industrie  
Österreich  
Wiedner Hauptstraße 63, Postfach 329  
AT-1045  
Wien  
Austria  
Phone: +43 590 900 3531  
Fax: +43 1 505 62 40  
E-mail: [steine@wko.at](mailto:steine@wko.at)  
Website: <http://www.baustoffindustrie.at>

### CROATIA

Croat Business Association (PROMINS)  
Ivelkova stuba 9  
10000  
Zagreb  
Croatia  
Phone: +385 (1) 27 53 516  
Fax: +385 (1) 27 53 619  
E-mail: [igm@globalnet.hr](mailto:igm@globalnet.hr)

### DENMARK

Association of Danish Stone and Gravel Industries  
Dansk Industrie  
DK- 1787  
Copenhagen V  
Denmark  
Phone: +45 33 77 33 77  
Fax: +45 33 77 39 80  
E-mail: [ijkn@di.dk](mailto:ijkn@di.dk)

### FRANCE

Union Nationale des Producteurs de Granulats  
(UNPG)  
3 rue Alfred Roll  
FR-75849  
Paris Cedex 17  
France  
Phone: +33 1 44 01 47 01  
Fax: +33 1 46 22 59 74  
E-mail: [unpg@unicem.fr](mailto:unpg@unicem.fr)  
Website: <http://www.unicem.org>

### BELGIUM

FEDEXE SCRL - Fédération des Industries Extractives et  
Transformatrices de Roches non Combustibles  
Rue Volta 8  
BE-1050  
Bruxelles  
Belgium  
Phone: +32 2 645 52 37  
Fax: +32 2 645 73 78  
E-mail: [fedex@fedex.be](mailto:fedex@fedex.be)

### CZECH REPUBLIC

AKCR - Aggregates Industry Association of Czech  
Republic  
Senovážná náměstí 23,  
CZ-110 00  
Praha 1  
Czech Republic  
Phone: +420 (224) 1 42 241  
Fax: +420 (224) 142 241  
E-mail: [akcr@mona.cz](mailto:akcr@mona.cz)

### FINLAND

INFRA - Aggregates Department  
Asemapiikinkatu 12 B  
FI-00520  
Helsinki  
Finland  
Phone: + 358 10 821 0307  
Fax: + 358 10 821 0330  
E-mail: [tuomo.jaltonen@infrary.fi](mailto:tuomo.jaltonen@infrary.fi)  
Website: <http://www.infrary.fi>

### GERMANY (I)

Bundesverband der Deutschen Kies- und  
Sandindustrie e.V.  
Düsseldorfer Straße 50  
DE-47051  
Duisburg  
Germany  
Phone: +49 221 93 46 74 - 60  
Fax: +49 221 93 46 74 - 64  
E-mail: [hans-peter.braus@baustoffverbaende.de](mailto:hans-peter.braus@baustoffverbaende.de)  
Website: <http://www.bks-info.de>

# H&S Committee

GOOD HEALTH & SAFETY PRACTICES IN THE EUROPEAN AGGREGATES INDUSTRY

## 10 UEPG HEALTH AND SAFETY COMMITTEE

Chairman:	Rafael Fernández Aller (ANEFA - Spain)	
Vice Chairman:	Martin Isles (CIPA - United Kingdom)	
Committee Secretary:	César Luaces Frades (ANEFA - SPAIN)	
Members:		
Asamer, Manfred	Fachverband Steine Keramik	Austria
Audibert, Didier	Holcim Granulats	France
Aussedat, Georges	Unicem	France
Bjela, Jan	SBMI	Sweden
Castagna, Francesco	ANEFLA	Italy
Debski, Maciej	Polsky Związek Pracodawcow producentow Kruzyw	Poland
De Lespinay, Yves	EULA	Belgium
De Mapeou, Louis	UNICEM	France
Donaghy, Seamus	Irish Concrete Federation	Ireland
Fell, Antony	UEPG	Belgium
Gariuta, Catalin	APPA	Romania
Grob, Jacques	FSKB	Romania
Hugh, Philippe	Lafarge Breton	France
Hultqvist, Lars	SBMI	Sweden
Kielgaard, Jesper	Association of Danish Stone and Gravel Industries	Denmark
Knaze, Pavol	SZMK Holcim Slovakia	Slovak Republic
Levallet, Amaud	UNICEM	France
Lilleas, Torbjorn	PGL	Norway
Nitsch, Martin	AKCR	Czech Republic
O'Brien, Jim	CRH PLC	Ireland
Pluss, Samuel	Holcim group Support LTD	Romania
Popa, Radu	SC CARB SA/ APPA	Romania
Schumacher, Markus	Bundesverband der Deutschen Kies- und Sandindustrie ev	Germany
Vanbelle, Jean Marc	Gralox	Belgium
Vesely, Otakar	AKCR	Czech Republic
Von Landsberg, Dietmar	Bundesverband Mineralische Rohstoffe (BMRÖ)	Germany
Vonk, Nico	NBA Behaar BV	Netherlands







Union Européenne des Producteurs de Granulats  
Europäischer Gesteinsverband  
European Aggregates Association

# Other information

## GOOD HEALTH & SAFETY PRACTICES IN THE EUROPEAN AGGREGATES INDUSTRY

Edited by:



Health and Safety Committee  
Rue d'Adon 21  
1050 Brussels  
Belgium  
Tel: +32 22 33 53 00  
Fax: +32 22 33 53 01  
email: secretariat@uepg.eu  
www: <http://www.uepg.eu>

Written and supervised by:

Rafael Fernández Aller	UEPG H&S Committee Chairman (ANEFA)
Martin Isles	UEPG H&S Committee Vice Chairman (QPA)
César Luaces Frades	UEPG H&S Committee Secretary (ANEFA)
Francesco Castagna	(ANEPLA)
Walter Nelles	(MIRO)
Antony Fell	UEPG
Grégoire Potsson	UEPG
Dirk Fincke	UEPG

Designed by:  
Mythos

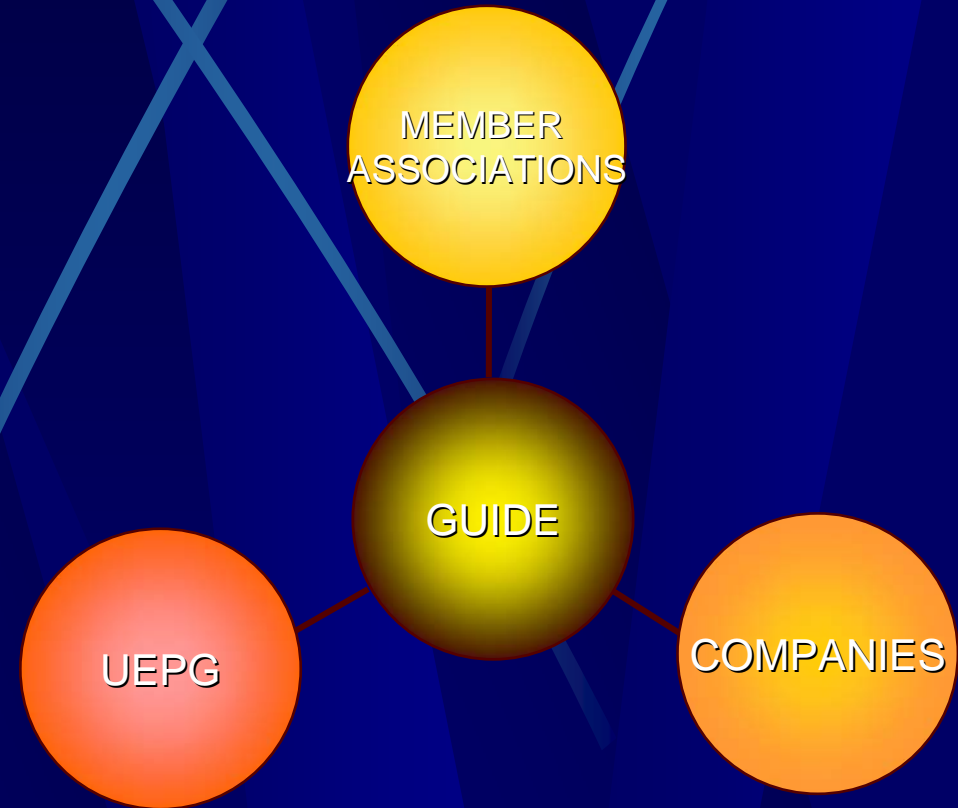


# Conclusions (1)

- **Achieved targets:**
  - **To contribute to sustainable development**, laying the foundations for a safe industry with a “**zero accidents**” goal.
  - **To identify Good Practices in H&S** that are applied in European aggregates companies.
  - **To disseminate effectively UEPG’s H&S expertise to EU policy-makers** and legislators and become an authoritative source of information on the European Aggregates Industry.
  - **To exchange knowledge and expertise**, from the different member countries.
  - **To inform UEPG Members and European aggregates companies** in a brief and concise way.

## Conclusions (2)

- UEPG proves its Health and Safety commitment.
- An UEPG **common** project with strong collaboration within UEPG member Associations.
- We can produce good and useful guides/tools for our member companies.





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

# Thank you very much

