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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

*Section on Prevention in the Mining Industry*

**NEWSLETTER | # 6 | DECEMBER 2013**

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*Section on Prevention in the Mining Industry*



**Theodor Bülhoff**  
President



**John McEndoo**  
Vice-President



**Bui Hong Linh**  
Vice-President



**Peter Schrimpf**  
Vice-President



**Helmut Ehnes**  
Secretary General

## Here is the 6th edition of the ISSA Mining Newsletter!

We would like to sincerely thank all of our readers who gave us their feedback and encouragement on the previous newsletter and hope that you will enjoy this edition alike.

On the following pages we will introduce new strategic alliances, new members, and impressions

of many events which connected us to important stakeholders working for safe mining throughout the world.

As always, your comments and contributions to the next ISSA Mining Newsletter are very much appreciated!



### Feature

## Peter Schrimpf is the new Vice President of ISSA Mining: valuable fresh impetus for safe mining worldwide

ISSA Mining has succeeded in appointing the Deputy Chairman of RAG Aktiengesellschaft to its executive board. On 15th March 2013, Peter Schrimpf was elected Vice President, alongside John McEndoo and Bui Hong Linh, at the

ISSA Mining General Assembly in Hanoi, Vietnam.

Peter Schrimpf is internationally recognised for occupational safety and health. In recent decades, he has been instrumental in developing occupational safety and health in the German coal mining indus-

try. The mining engineer will now bring his internationally recognised expertise to the global network of ISSA Mining.

The new ISSA Mining Vice President looks back on decades of experience in the coal mining industry. In 1984 he began quite literally at

the very bottom, underground. He quickly and consistently made his way to the surface and undertook various management responsibilities on the Board of RAG in the process. Early on, his responsibilities included staff development and company organisation. Peter Schrimpf made substantial progress in the area of occupational safety and health for the German coal producer. The changes made in occupational safety and health put RAG into the international top league - the accidents reduced by more than 92%.

This was successful only due to the personal commitment of Peter Schrimpf whose changes initiated in the allocation of responsibilities went well beyond the legal framework, while they also served to link and equalise production and occupational safety and health processes.

In his role as ISSA Mining Vice President, Peter Schrimpf particularly sees the opportunity to establish the goals achieved in the German mining industry, on an international scale. "I will do every-

thing I can" says Peter Schrimpf, "to ensure that accidents are seen as a disruption to production, thereby substantially increasing the importance of occupational safety and health. This will not only reduce the risk of accidents, but also the suffering of the victims and their families." And Schrimpf states: "We can only achieve this goal of sustainably improving health and safety in the international mining industry together, through open and honest communication with companies, authorities and organisations."



Rob Brown, Managing Director of Dräger South Africa (Pty) Ltd. in Bryanston South Africa showcased Dräger's innovative mine rescue equipment.

## Feature

# ISSA Mining board restructures organization, connects to Namibia's and South African mining industry

At a meeting in January 2013, ISSA Mining's board revised the organization to meet the requirements of the organization's growing size and extending scope. The board also formed a strategic partnership with the board of RAG, long-term member of ISSA Mining and bringing in the expertise of outstanding results in OSH in coal mining. Meetings with experts for mine safety and mine rescue in Namibia and South Africa de-

livered important impulses for the improvement of safe mining worldwide.

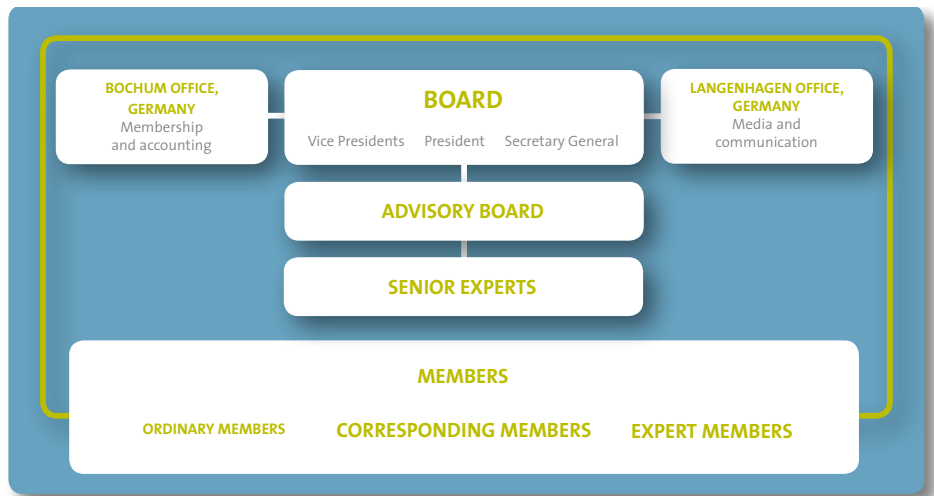
ISSA Mining's board members met January 14 2013 in South Africa. President Theodor Bühlhoff, Vice-Presidents John McEndoo and Bui Hong Linh as well as Secretary General Helmut Ehnes met members of the board and OSH specialists of RAG for strategic discussions. German mining corporation RAG has been represent-

ed by Peter Schrimpf and Ludwig Ladzinski (both members of the Board of Directors of RAG AG), Frank Badow, Director Safety Health Environment RAG AG and Dieter Mantwill, Director Safety Health Environment at RAG Solutions. RAG looks back on decades of experience in coal mining and large depths in Germany, and presents an outstanding record in occupational safety and health. RAG's holistic approach in designing safe mines and motivating



Christo de Klerk, General Manager of South African Carltonville Mines Rescue Service (left) in dialogue with ISSA Mining Vice Presidents John McEndoo (right) and Bui Hong Linh (second from right).

miners to safe behavior will be an asset in supporting ISSA Mining's "Vision Zero" strategy, aiming to avoid all serious accidents in mining while significantly cutting down accident figures overall. Ha Tat Thang joined the dialog as Leader of the Bureau for Safe Work at the Ministry of Labour Invalids and Social Affairs (MoLISA) Vietnam, accompanied by Deputy Director General of the International Cooperation Department Nguyen Kim Phuong.



The ISSA Mining board members discussed a new alignment of ISSA Mining's structure. An advisory board and senior OSH experts will serve to meet the requirements of ISSA Mining's growing scope and range.

Basing on their Memorandum of Understanding, ISSA Mining and MoLISA discussed future activities, including the concept of a March workshop in conjunction with the Vietnamese National Safety Week.

Site visits to mines, mine rescue operations and supplier Dräger in Namibia and South Africa completed the program. The team seized the opportunity for networking and expert exchange with Rob Brown, Managing Director of Dräger South Africa (Pty) Ltd. in Bryanston South Africa, Christo de Klerk, General Manager of the Mines Rescue Services (PTY) Ltd. South Africa, and discussed safe handling of explosives and blasting with Rudzani Ramabulana, Deputy Director Explosives & Major Hazardous Installations Occupational Health & Safety of the Department of Labour, Pretoria/ South Africa.



Dr. Wotan Swiegers, Director of the Uranium Institute of the Chamber of Mines in Namibia, showed great interest in ISSA Mining's scope and actions.

## ISSA Mining in dialogue

# Cooperation with South America gains momentum: Mutual new regional representative, ISSA Mining at 4th German Chilean Economic Days

Prior contacts with stakeholders of the South American mining industry showed promising potentials for cooperation and high-level expert exchange. Reason enough for ISSA Mining to attend the 4th German Chilean Economic Days running 15 and 16 October 2013 in Santiago, Chile, which also gave the platform for ISSA Mining to gladly welcome Mutual de Seguridad Chile as a new regional representative.

### Mutual de Seguridad agrees on Regional Representation of ISSA Mining

During prior meetings, Mutual de Seguridad and ISSA Mining saw a

large understanding in the reasons and mode of prevention for the mining sector. Both institutions agreed to pursue increasing cooperation and joint actions. On 16 October 2013, Mutual's Cristián Moraga Torres, General Manager and Julio Franzani García, Manager Safety, Health and Environment, signed the "Agreement on the Regional Representation of the International Section of ISSA on Prevention in the Mining Industry for Chile and all South America by Mutual de Seguridad C. CH. C.". Both parties agreed on Mutual de Seguridad C. CH. C. taking over the role of ISSA Mining's regional representation for Chile and all of South America, promoting ISSA Mining and its aims on a regional basis.

### Collaboration for prevention: Carrying on the San José momentum

Mutual and ISSA Mining conducted the expert forum "Safety and Health in mining: best practice in risk management" in the frame of the 4th German Chilean Economic Days on 16 October. A Welcome Address was given by Ulrich Meesmann, representing ISSA Mining as well as the German Social Accident Insurance Institution for the raw materials and chemical industry, in short BG RCI, as managing director. Among its tasks is the support of more than 30,000 enterprises in designing safe and health-promoting workplaces.



Exchange on social security for mining: BG RCI Germany and Mutual de Seguridad C. CH. C. at the reception of the German ambassador to Chile.



Mutual de Seguridad C. CH. C. takes the role of ISSA Mining's regional representation for Chile and all of South America. Julio Franzani García (Mutual), Bui Hong Linh (ISSA Mining), Cristián Moraga Torres (Mutual), Helmut Ehnes (ISSA Mining).



José Ignacio Concha, President Mutual de Seguridad.



Ulrich Meesmann, Member of the Board of Directors BG RCI.



Cristián Moraga, General Manager Mutual de Seguridad.

Ulrich Meesmann described the challenges, tools and success in prevention for the German mining industry and called for collaboration: "We are open for exchange. We know that mining operations are conducted on a high technological level and that occupational safety and health is well organized here in Chile. I am very positive that we can take many impulses with us to Germany, and we are more than happy to share our experience and ideas with you in Chile!". He reminded of the rescue operations for the „los 33“ in 2010, when 33 miners were trapped in the San José mine, and the impressively high technologic level and dedication it showed – not least made possible by success-



Bui Hong Linh, Vice-President ISSA Mining.

ful collaboration. "I would be very glad if we will manage to carry on the momentum of this successful collaboration, and to develop the cooperation of these two mining accident insurers from Chile and Germany even further!", expressed Meesmann as his hope for the conference outcome.

ISSA Mining introduced the Vision Zero prevention strategy and tools for implementation, Mutual discussed a culture of prevention and challenges for health protection in mining. Codelco brought the operator's point of view on successful safety performance in Chilean mining.



Safety played a huge role at Exponor Antofagasta: on display here is a safe access system for earth-moving machines.



Met at Camchal to discuss the Raw Material Forum: Julio Franzani (Mutual), Dr Cornelia Sonnenberg (Camchal), Helmut Ehnes (ISSA Mining).



Left: The bodyguard system shown at Exponor helps to detect persons in hazard zones around vehicles.

## ISSA Mining in dialogue Chile: Mine Safety plays important role in industry and at Exponor

In June 2013, ISSA Mining Secretary Helmut Ehnes went to Chile. His visit led him to the mining trade show Exponor in Antofagasta, where suppliers demonstrated that safety plays an important role, and to meet key-stakeholders in Chilean mining including member Mutual Seguridad and the German/Chilean Chamber of Commerce. A site-visit to Codelco's El Teniente, the largest underground copper mine worldwide, showed an impressive level of mine safety in technology, organization and culture.

### Industry commits to safety at mining show Exponor in Antofagasta

The mining show Exponor in Antofagasta (17 – 19 June 2013) demonstrated not only the important

role of mining operations for the region, but also the importance of safety and health from the provider and supplier side. Many exhibits dealt with safety and health promotion in mining.

The large show with its many exhibitors gave ample opportunities to discuss ISSA Mining's scope and work, and gave important insights from the core of the mining industry.

### Strategic meeting with Mutual and Camchal

20 June, Ehnes met Julio Franzani of ISSA Mining member Mutual Seguridad and Dr Cornelia Sonnenberg of the German/Chilean Chamber of Commerce. Together, they discussed a joint Mutual/ISSA Mining presentation at the German-Chilean Raw Material Forum to be

held 15 - 16 October 2013. The organizers expected some 200 OSH Managers and CEO's to attend. ISSA Mining agreed to introduce its scope and offers and the Vision Zero strategy in conjunction with ISSA Mining's Seven Golden Rules for Safe Mining Operations. Mutual and ISSA Mining decided to run a joint information booth at the forum. Discussions with key-stakeholders were foreseen to offer chances to connect and exchange on safety and health in mining.

### Mutual Seguridad and ISSA Mining: a perfect match for mine safety in Chile!

A meeting with Mutual Seguridad in Santiago 20 June 2013 showed once more that both partners fit together perfectly by pursuing the same aims and strategies.



Work areas are separated by color coding for added safety.

Mutual and ISSA Mining compared visions and tools with Mutual's management and drafted first concepts to jointly disseminate safety solutions for international mining businesses.

In the following years, ISSA Mining and Mutual will offer workshops on the "Seven Golden Rules for Safe Mining" and their implementation into mining businesses.



Mutual and ISSA Mining are looking very optimistic into coming joint projects.

**Codelco demonstrates impressive level of OSH at El Teniente**

21 June, Codelco invited Helmut Ehnes and Julio Franzano to a visit of the largest underground copper mine worldwide, El Teniente in the Chilean commune of Machalí in Cachapoal Province, Libertador General Bernardo O'Higgins Region, near Sewell.

El Teniente looks back on a mining history of almost 200 years and is operated by the state owned copper mining company Codelco (Corporación Nacional del Cobre de Chile), being the largest of Codelco's operations.

The vast dimensions include some 5,000 km of gallery and daily 400

busses for the transport of personnel. Extensions spanning an investment of 7.5 billion USD are planned, a new safety concept is in force and currently implemented.

The underground operations showed that transport is exceptionally well organized in respect to vehicles, routes, steering by traffic lights and wheel chocks to secure against unintended vehicle movement.

Many terminals enable miners to report near-misses and unsafe conditions. These already collect around 3,500 data sets per year, states Codelco, while aiming to increase to some 8,000 per year. This procedure to collect valuable information for prevention is, as all other safety solutions found at El Teniente,







Vehicle are secured against unintended movement.



recommended by ISSA Mining and demonstrates the high level of safety culture throughout the business.

Miners are not only equipped with suitable work wear and personal protective equipment, but also with personalized locks for the "lock out, tag out" system, ensuring equipment is not turned back on before maintenance or repair is done on no one remains in a hazardous area. Workshops also proved to be well structured and organized; written task assignments, risk assessment with

checklists and systematic documentation are best practice. Work areas are separated by color coding, ensuring that only miners get in who are assigned work in the particular area.

The workshop team developed a remote controlled handling device, allowing operators to stay clear of hazardous areas such as loader

wheels. The practical demonstration was impressive!

Loaders are utilized in the extraction area, as in salt mining. Also here, systematic separation of work areas is applied, breathing protection is systematically in use. Hydraulic jacks are remote controlled from the operation center.



Lock out, tag out: systematic locking out and tagging out keeps maintenance safe.



Followed Codelco's invitation to visit the largest underground copper mine worldwide: Helmut Ehnes and Julio Franzani.

## ISSA Mining in dialogue

# Kailuan: ISSA Mining proud to welcome 7th largest Chinese mining enterprise as new member

**On 22 July 2013, ISSA Mining Secretary General Helmut Ehnes was very glad to welcome an important new member: Kailuan, one of the oldest and most innovative mining enterprises in China, joined ISSA Mining, representing more than 80,000 employees.**

Kailuan, the pioneer of hard coal mining in China, looks back on a mining history of 135 years. Kailuan employs more than 80,000 people today and is the 7th largest mining enterprise in China. While always open for innovative technology and very well connected internationally, the enterprise deploys equipment from many different countries, including Germany, England, and Belgium.

On 22 July 2013, the welcome ceremony for Kailuan to join ISSA Mining

was held in Tangshan. Addresses were given by Mr. Zhang Zhiyou, Director Human Resources, Kailuan; Mr. Zhang Yuliang, Deputy General Manager, Kailuan; Mr. Dieter Blümke, CEO Consulting & Education and consultant to Kailuan for many years, and Mr. Helmut Ehnes, Secretary General of ISSA Mining.

Helmut Ehnes handed the ISSA Mining membership certificate to Mr. Hua Pei, General Manager and Board Chairman. The ceremony was covered by TV and printmedia.

Mr. Pei handed over a very special gift: the model of an underground miner's lamp as procured by Kailuan in Belgium 1906. It symbolizes the brilliant road the new partnership will open, leading into a brighter future.

After the ceremony, Kailuan introduced the guests to the mining museum in Tangshan, designed according to the example of the mining museum in Bochum, Germany.

On the same day, Kailuan also signed the contract for a PPP project on occupational safety and health with RAG Mining Solutions Germany and the GIZ, the German Agency for International Collaboration.

The Kailuan Group and ISSA Mining are looking very optimistic into future cooperation and are convinced that both organizations will profit from the long experience of each partner. In a first step, a joint audit of Kailuan's safety and health unit will be designed.



Hua Pei, General Manager and Board Chairman Kailuan Group (left) receives the membership certificate from ISSA Mining Secretary General Helmut Ehnes.



Wolfgang Roehl at the Panel Discussion "Global Mine Rescue Future Trends and Innovations".

## ISSA Mining in dialogue ISSA Mining brings Vision Zero and Mine Rescue to World Mining Congress 2013

**How to achieve zero accidents in mining, a high risk business? ISSA Mining discussed well-proven tools for this ambitious aim at the 2013 World Mining Congress in Montréal, Canada.**

The WMC 2013 with its theme "Mapping the Future: Advances in Mining Engineering" offered an extensive technical program. Over 1,500 experts met to network and share knowledge 11-15 August 2013. 300 exhibitors presented on mining, automation, robotics and construction.

### Safety and Mine Rescue in focus

ISSA Mining's Secretary General Helmut Ehnes talked about "Vision Zero – The New Global Strategy For Safe Mining". Ehnes explained the

high risk rate in mining, the Vision Zero prevention strategy and tried and tested tools to meet the ambitious aims, as successfully adapted by major mining corporations.

Wolfgang Roehl, manager of ISSA Mining member Central Mine Rescue Organisation, Germany, joined the Panel Discussion "Global Mine Rescue Future Trends and Innovations" together with James Dean, West Virginia University, USA and Alex Gryska, Workplace Safety North, Canada – a valued network partner of ISSA Mining for many years representing the International Mines Rescue Body.

### Connecting to mining stakeholders

ISSA Mining seized the opportunity to network on the first confer-

ence day at the Montreal Convention Centre. The Multi-Stakeholder Dialogue Series "Building on Common Ground" offered facilitated roundtable discussions in an informal "world café" format, with various stakeholders from industry, government, various NGOs and First Nations. The afternoon of the same day, the interactive session "Facing Forward: Exploring NGO-Mining Partnerships" brought 30 participants together in an informal setting to present perspectives, and identify potential partners on the ground. Both sessions were provided by CIM's Environmental and Social Responsibility Society, in collaboration with the Centre for Excellence in Corporate Social Responsibility.



Alex Gryska explained the organization of mine rescue in the host country of the WMC 2013 - including the challenge to come to a common mine rescue standard.

"See you in Germany!"



From Sudbury to Hanover: the flag gets passed from Canada to Germany.



## ISSA Mining in dialogue **Sharing Vision, Sharing Knowledge: Canada unites international mine rescue experts at sixth biennial IMRB conference**

Some 200 delegates from more than a dozen countries around the world met for the sixth biennial conference of the International Mines Rescue Body in Niagara Falls, Canada, October 5 to 10, 2013. The conference featured numerous presentations by mine rescue professionals and volunteers, as well as researchers and experts in topics and issues of importance to emergency response in mining. The unique mine rescue event fea-

tured presentations on the use of wireless video in mine rescue, emerging rescue technologies, virtual emergency mine training, emergency response in deep mines, and many more topics on the organizational and technical aspects of mine rescue.

### Sharing Vision, Sharing Knowledge

Key individuals from government, industry and the IMRB shared their

thoughts on the importance of emergency preparedness, planning and response initiatives in mining worldwide. Following the IMRB 2013 motto "Sharing Vision, Sharing Knowledge", participants exchanged their knowledge, experiences, and visions during the two conference days October 8 and 9.

The Niagara Falls conference was hosted by the Canadian mining industry, the Canadian Association of Chief Inspectors of Mines, and

The hosts of Workplace Safety North gave a professional and superb platform for 200 attendees: Candys Ballanger-Michaud and Alex Gryska with ISSA Mining's Helmut Ehnes.



Nickel's Rim South Mine: 3 years young, and showing how innovative mining is performed.



IMRB 2013 was opened by Workplace Safety North President and CEO Candys Ballanger-Michaud, IMRB Treasurer Alex Gryska, Barrie Simoneau and Ontario Minister of Labour Yasir Naqvi (top left to bottom right).

Vic Pakalnis, President & CEO of MIRARCO, showcased at the exhibition.

The IMRB board members decided on future cooperation with ISSA Mining.



Canadian mine rescue organizations to share knowledge and expertise in mine emergency response.

Further information on IMRB 2013 can be found on



[www.imrb2013.ca](http://www.imrb2013.ca)



### Impressive insight into Canadian mining operations

Following the conference days, mine tours in the Sudbury Basin, one of Canada's largest mining centres, gave impressive insight into mining operations, and ample opportunities to network and connect. These included

- KGHM International's Craig Mine/Morrison Deposit - including Craig Mine's underground

operations (shops, crusher, etc.), followed by narrow veined mining at the Morrison deposit, and the development complex.

- Vale's Creighton Mine with the SNOLAB (Sudbury Neutrino Observatory) as well as Vale's Creighton Deep project, more than 2,000 metres underground.
- Sudbury INO NRS with surface and underground features at a state-of-the-art mining operation, including the mine rescue room, an underground refuge station, and various operations.

Glencore's Sudbury Integrated Nickel Operations (INO) introduced Nickel Rim South mine, currently Sudbury's largest mining operation. Sudbury INO consist of underground mines, a mill and a smelter, employing a total of approximately 1,200 permanent employees. As a part of its zero-harm policy, the operator showed a film focusing on

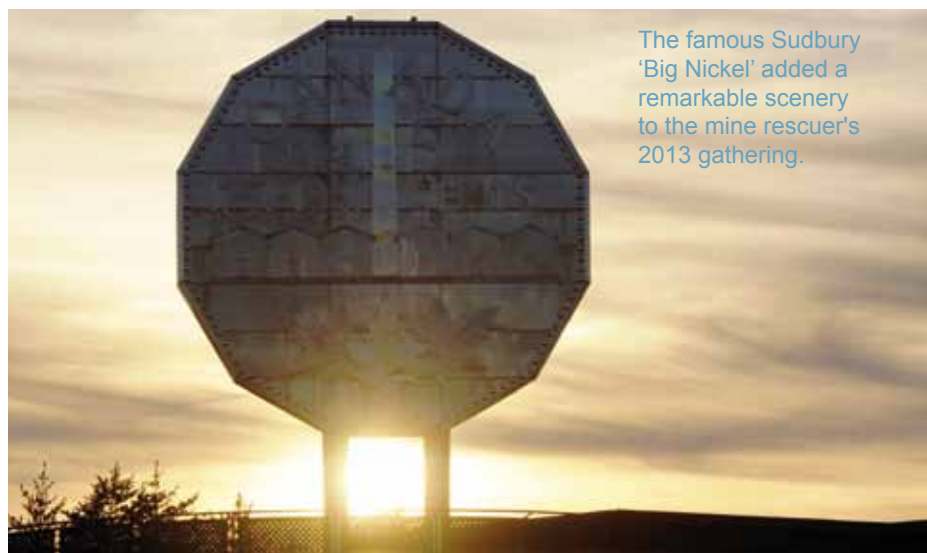
the workers' involvement in health and safety. In an impressively emotional approach, Rim South miners explain why they work safely – for their families and loved ones.

### Outlook: IMRB 2015 in Hanover/Germany

Closing the successful conference, ISSA Mining Secretary General Helmut Ehnes together with ISSA Mining members Wolfgang Roehl and Roman Preißler of the German Central Mine Rescue Service, gladly introduced themselves as hosts of the International Mines Rescue Body Conference 2015, taking place in Hanover, Germany, 6 – 10 September 2015.

### Increasing cooperation

Two representatives from each IMRB member country joined the IMRB Executive Meeting on Sunday October 5, 2013. ISSA Mining General Secretary Helmut Ehnes discussed potential collaboration; the IMRB members agreed to intensify cooperation with ISSA Mining.

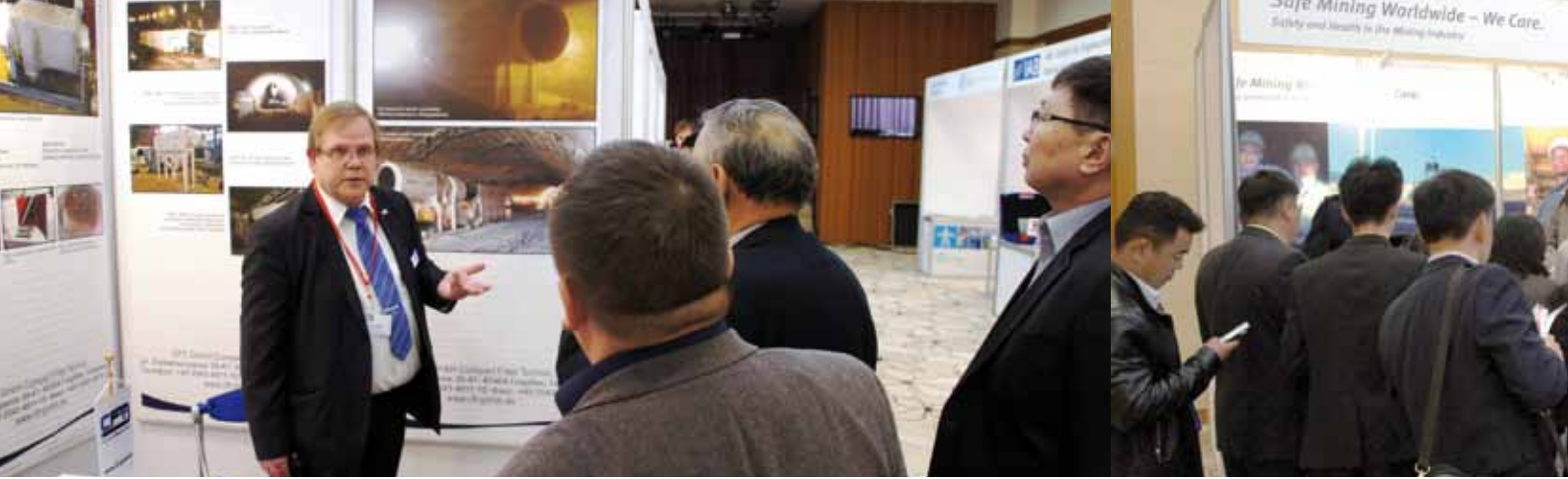


The famous Sudbury 'Big Nickel' added a remarkable scenery to the mine rescuer's 2013 gathering.

Presentations



[http://www.minerescue.org/conferences/2013\\_niagara\\_falls.htm](http://www.minerescue.org/conferences/2013_niagara_falls.htm)



## ISSA Mining in dialogue Mongolia: ISSA Mining connecting OSH experts and industry in important mining area

The Mongolian mining industry is rapidly developing. While the exploitation of the vast commodities gains significant momentum, the stakeholders identified the need for improving occupational safety and health. The Integrated Mineral Resource Initiative of GIZ in conjunction with ISSA Mining connected international experts in mine safety to share best practice with decision makers of the Mongolian industry at a two-day Occupational Health and Safety Exhibition and Congress in Ulaanbaatar on 6 – 7 May 2013.

### Vast potentials: Mining in Mongolia

Mining is continuing to rise as a major industry of Mongolia, with

extensive mineral deposits of copper, coal, molybdenum, tin, tungsten, silver, uranium and gold. Minerals represent more than 80% of Mongolia's exports, a proportion expected to eventually rise to 95%. Among the sites is Oyu Tolgoi as one of the world's largest copper and gold deposits and the Tavan Tolgoi area, the world's largest untapped coal deposit. Coal production in Mongolia is expected to reach 40 million tons by 2020, and 240 million tons by 2040.

### Increasing need for OSH experience and models of good practice

Mining operations do not look back on a long tradition in Mongolia. While transforming from an agrar-



Ch Erdenebayar, Head of HSE Division, Mongolyn Alt Corporation (MAK)



G. Erdenetugs, Head of the Occupational Safety, Social Security and Inspection Department, General Agency for Specialized Inspection (GASI)



Batkhuyag Jamiyandorg, Mongolia's Vice-Minister Labour



Susanne Schulte-Wantia, Managing Director of Dr. Klaus Schulte GmbH.



Heiko Blak, CFT



ian economy, the mining industry is looking for expertise also in respect to occupational safety and health and compensational aspects. All relevant stakeholders – sector associations, the Ministries of Labour and of Mining, and trade unions – agree that there is the need for significant improvements.

With the mining industry accounting for 19% of all accidents at work in Mongolia 2012 and a rapidly emerging exploitation, international experience and models of good practice are highly sought after. An additional challenge next to efficient prevention is input in designing a well-balanced system of social security, in particular compensation and rehabilitation of accidents at work and occupational diseases.

### **An important connection: The Occupational Health and Safety Exhibition and Congress**

To bring the relevant stakeholders together, the Integrated Mineral Resource Initiative of the German Association for International Cooperation (Deutsche Gesellschaft für Internationale Zusammenarbeit, GIZ) initiated the Occupational Health and Safety Exhibition and Congress 6 – 7 May 2013 in Ulaanbaatar together with ISSA Mining.

After promising prior contacts between Mongolia and ISSA Mining es-

tablished at the “Safety First” Forum 2013, running 27 to 28 February in Ulaanbaatar, ISSA Mining contacted several suppliers for the mining sector offering OSH solutions from state of the art prevention products to Personal Protective Equipment, large mining operators who have achieved outstanding safety records and more important stakeholders of prevention to introduce models of good practice in OSH management and technology at the Occupational Health and Safety Exhibition und Congress. Experts in designing accident insurance systems joined to give input on aspects of social security.

### **Expert knowledge and experience shared in conference**

The first day of the conference introduced into the topic by high-ranking keynote speakers and gave important impulses on safe mining. Among those were Dr. Stefan Hanselmann, Program Director, GIZ Integrated Mineral Resource Initiative, Dr. Bernhard Heitzer, State Secretary, German Federal Ministry of Economics and Technology (BMWi), Vice Minister of the Ministry of Labour of Mongolia J. Batkhuyag, and Bui Hong Linh,

Deputy Minister of the Ministry of Labour, Invalids and Social Affairs of Vietnam (MoLISA) and Vice-President of ISSA Mining.

Session I titled “Occupational Health and Safety Management System - Current Developments” was chaired by Ch. Erdenebayar,



The event attracted more than 340 Mongolian experts.

Head of the HSE Division of Mongolyn Alt Corporation (MAK).

Session II.1, chaired by ISSA Mining Secretary General Helmut Ehnes, was titled “Proactive Prevention in Mining (I)” and combined expertise on highly successful prevention in German mining operations by RAG Mining Solutions, Underground Explosion Protection by supplier Dr. Klaus Schulte GmbH and Dust and Explosion Protection in Mining, Dedusting, Ventilation and Cooling, presented by CFT GmbH.

Session II.2, - OSH Management Systems – was chaired by Ch. Erdenebayar, MAK and gave insight into the experience of Erdenet Mining Company LLC on OSH”, safety management systems as successfully implemented by the German accident insurance and “Upgrading the Occupational Health and Safety Management System, Registration and Inspection” explained by HSE Systems LLC.

Session III.1, chaired by Ehnes, dealt with proven strategies of prevention in mining. Titled “Proactive Prevention in Mining (II)”, the session introduced Ehnes’ talk “Vision Zero - The New Global



Redefining the legal framework: The General Agency for Specialized Inspection (GASI) and GIZ IMRI hosted the Public Hearing for the Revision of the Occupational Safety and Health Law.

Prevention Strategy of ISSA Mining” and “Expert Services for Land Recycling of Former Mining Sites” by Frank Lirka, RAG Ruhranalytik GmbH, Germany.

In parallel, the R&D Master Class as Session III.2 introduced a highly innovative system to prevent accidents involving earth-moving machinery, called “The KEEPER/ BEEPER System: All-around Pedestrian Detection in the Danger Zone of Earth-Moving Machinery”

by Volker Köster, Comnovo GmbH, Technical University of Dortmund/ Germany.

After a Welcome Address by A. Amgalan, Deputy Director of the GIZ Integrated Mineral Resource Initiative, G. Erdenetugs’ keynote started the second day of the conference, As Head of the Occupational Safety, Social Security and Inspection Department, General Agency for Specialized Inspection (GASI), Erdenetugs spoke on the Employer’s Liability Insurance Reform in Mongolia.

Innovative Personal Protective Equipment was introduced in Session IV.1, moderated by Ts. Orgil, Erdenet LLC. In this, an Impairment Check for Drugs and Alcohol in the Mining Industry, innovative PPE solutions, and safe working at heights have been discussed.

How to develop and improve the system was in the focus of Session

IV.2, titled “Social Security and Proactive Prevention” and chaired by G. Erdenetugs, GASI.

Dr. Gregor Kemper, Director International Relations of Deutsche Gesetzliche Unfallversicherung (DGUV) explained “The Comprehensive Approach of the German Social Accident Insurance: A Reference Model since 125 Years”.

Head of Strategy Implementation Department, Social Insurance Gen-

eral Office (SIGO) Ts. Dashdondog discussed “Current Developments of Social Insurance in Mongolia - Insurance System and Management of Occupational Accident, Work Related Diseases”, and



The German-Mongolian Corporate Days offered an additional platform for exchange on expert level: Helmut Ehnes (left) with Professor Dr. Carsten Drenstedt of Freiberg Mining Academy.

Helmut Ehnes’ talk “From Supervision to the Safety Oscar: Prevention by All Suitable Means” explained the experience, prevention strategy and comprehensive range of services.

Session V.1, Proactive Prevention and Compliance: PPE, Electricity and Traffic, chaired by Helmut Ehnes, included the talks “Requirements for Personal Protective Equipment in Respects to Testing and Certification in Europe” (Lars Bertelsbeck, Head of Testing and Certification, Berufsgenossenschaft der Bauwirtschaft (BG BAU)), “ISSA Electricity Section - 42 Years of Efforts for Electrical Safety” (Dr. Jens Jühling, Technical Secre-



tary, ISSA Electricity Section), and „Prevention of Road Accidents and Injuries for the Safety of Employees - The German Experiences” (Jochen Lau, Head of Division, Deutscher Verkehrssicherheitsrat (DVR)).



Motivate employees for a drug free work environment: ISSA Mining Vice President Bui Hong Linh (right) tried an alcohol impact simulator by Dräger.

Hazard Exposure and Risk Management were discussed in Session V.2. Chaired by Ch. Erdenebayar, Ganbaatar Kh., Executive Director, Mongolian Employers’ Federation (MONEF) introduced “Workplace Risk Management”. Markus Walter, Head of Division, Institut für Angewandte Bauforschung Weimar gGmbH gave a talk on “Prevention in Noisy Areas: New System for Motivation and Training - Configuration and Practice of System DSA”, and Michael Koob, Head of Technical Health Protection, Institut für Gefahrstoff-Forschung (IGF) of BG RCI presented on “Sampling and Measurement of Hazardous Substances in Workplace Air by the IGF of BG RCI”.

The Master Class “Implementing OHSAS 18001 in the Mongolian Mining Industry” as Session VI was conducted by Mining and Health & Safety Expert Jörg Wilde and Health & Safety & Environmental Expert Jan Schiffer of CBM Gesellschaft für Consulting, Business und Management mbH.

## Industry deciders visit safety exhibition

Many decision makers stemming from the mining industry as well as government officials seized the opportunity to gain first-hand information from suppliers and providers showcasing at the safety exhibition. 340 visitors came from Mongolia. The portfolio of well-proven safety technology and management tools found very high interest by executives and procurement managers of the Mongolian mining industry.

## Exhibitors

- CFT GmbH Compact Filter Technic
- Comnovo GmbH Dortmund/ Technical University of Dortmund
- DGUV - German Social Accident Insurance
- DVR - German Road Safety Council
- Dr. Klaus Schulte GmbH Chemisch Technische Fabrikation



- Dräger Safety AG & Co. KGaA
- German Social Accident Insurance Institution for the energy, textile, electrical and media products sectors
- German Social Accident Insurance Institution for the building trade
- Unit PPE and special cooperation
- German Social Accident Insurance Institution for the raw materials and chemical industry
- GIZ Integrated Mineral Resource Initiative
- HSE Systems LLC
- IAB - Institut für Angewandte Bauforschung Weimar gmbH
- ISSA Electricity
- ISSA Mining
- Mongolian Employers' Federation
- RAG Ruhranalytik GmbH
- RAG Mining Solutions GmbH
- Research Institute of Hazardous Substances of German Social Accident Insurance Institution for the raw materials and chemical industry
- RTT Co., LTD
- Safety First/ Ikh Ugsaa LLC

- SKYLOTEC GmbH
- UVEX Safety Group GmbH & Co. KG

In conjunction with the Occupational Health and Safety Exhibition and Congress, important aspects closely related to OSH have been discussed in Ulaanbaatar. These were the Roundtable „CSR and Public Governance: Joint Approach for Sustainable Mining“ 6. - 10. May, joined by business representatives as well as government delegates and the 3rd meeting of the German-Mongolian Economic Board, and a meeting of Governmental Work Group of the bilateral Mineral Resource Initiative.

Participants were given the chance to join the Public Hearing for the Revision of the Occupational Safety and Health Law as guests.

**Becoming the world's third largest copper mine: Oyu Tolgoi**

After the presentation by Oyu Tolgoi Vice President Houston Spencer

during the CSR Meeting in Ulaanbaatar, Ehnes joined an event at the Oyu Tolgoi Information Center 6 May 2013.

The shareholders of Oyu Tolgoi – the Government of Mongolia, Ivanhoe Mines and Rio Tinto – are developing one of the largest and highest-grade copper-gold mines in the world. Oyu Tolgoi is the largest project ever undertaken in Mongolia and will be the world's third largest copper mine. It is expected to account for one-third of Mongolia's GDP by 2020.

More information at GIZ website Occupational Health and Safety Exhibition



<http://imri-mn.com/?p=382>



Oyu Tolgoi is the largest project ever undertaken in Mongolia and will be the world's third largest copper mine.



**ISSA Mining in dialogue  
Mongolia: Edernet Mining initiates  
dialogue in Safety First Forum 2013,  
invites ISSA Mining to share expertise**

Mongolian mine operator Edernet Mining invited to the Forum „Safety First 2013“ in Ulaanbaatar 27 – 28 February 2013. As an employer of some 6,000 miners extracting ore, copper and molybdenum, Edernet initiated a dialogue on safety involving the Mongolian National Mining Association, the Ministry of Labour, the Mongolian Trade Union Committee, the General Agency for Specialized Inspection, and the National OH&S Committee of Mongolia. Several experts, among the ISSA Mining Secretary General Helmut Ehnes, shared international input on mine safety.

The event connected some 300 stakeholders of the Mongolian mining industry to discuss the improvement of safety and health in mining. All stakeholders agreed

that occupational safety and health has priority and that there is a need for improvement, in particular by revised regulations, a redesigned reporting system and the creation of a comprehensive accident insurance system.

ISSA Mining General Secretary Helmut Ehnes explained models of good practice in accident insurance systems and prevention for the mining industry as sought for by Mongolian stakeholders in his talk.

During the conference he discussed aspects of safety in mines with Edernet Mining, the mining association, the Secretary General of the unions, and the head of labour inspection.





The Workshop „The Role of Labour Inspectors for promoting Proactive Prevention and Cooperation with the Social Partners” on 16 and 17 July 2013 connected 90 participants.

Labour inspectors from 32 provinces met with international experts to discuss models of improvement.

## ISSA Mining in dialogue

# Successful ISSA Mining Workshop launches improved labour inspection in Vietnam

**One strategic factor of Vietnam’s ongoing reform of the social security system is to optimise labour inspection for higher efficiency. The Ministry of Labour, Invalids and Social Affairs got in touch with ISSA Mining to set up a two-day workshop, in which Vietnam labour inspectors introduced their experience and ideas to international partners – including the view of prevention experts as well as employees and employers alike.**

The Workshop „The Role of Labour Inspectors for promoting Proactive Prevention and Cooperation with the Social Partners” on 16 and 17 July 2013 connected 90 participants in Da Nang, comprised of labour inspection delegates from 32 provinces and 10 international experts.

The first workshop day started with keynotes to form the base for the following discussion and group work.

The labour inspectors described the status quo in Vietnam, their resources and competences, and gave insights into facts on occupational accidents and diseases. An employer’s representative added the expectations from the business side. German experts

described the strategy and approach and how consulting and supervision are combined in the German system. The experience of a German employer completed the picture.

Following these impulses, the Vietnamese labour inspectors formed five groups to work out approaches for optimization. The questions to discuss in the working groups had been communicated prior to the workshop to allow for regional discussion in the individual districts and for the present labour inspectors to serve as delegate for their offices.

The delegates worked on questions such as

- Most essential needs for more effective LI?
- What are the top 5 risks for accidents and occupational diseases?
- New elements for effective LI in Vietnam?
- What should be the strategy of LI in Vietnam?
- What needs to be improved?
- What do enterprises need from LI?

The results of the group work were presented and commented by inter-

national experts. An open discussion followed the questions and answers.

On the second day, talks by Safe Work and the social partners – employer association and union – gave additional insight.

As a result, the participants presented the “Da Nang recommendations on „the role of labour inspectors for promoting proactive prevention and cooperation with the social partners“. Vide-Minister of Labour Bui Hong Linh called for implementation by all national stakeholders.

### The Da Nang recommendations on „the role of labour inspectors for promoting proactive prevention and cooperation with the social partners“

These results were worked out by the labour inspection delegates from 32 provinces:

- Develop (central) strategies for whole Vietnam
- Inspection initiatives shall be based on the accident and occupational disease numbers
- Intensify the collaboration with employer and employees steered by a tripartite working group



German quarry manager Bettina Nickel found particular interest with the description of her experiences with labour inspection from an employer's point of view.

Shared work in groups proved to be a very efficient mode and delivered excellent results.

- Increase the number of labor inspectors with technical background
- Strengthen efficiency of the LI with better tools
- Strengthen competences of the LI by improved training
- Develop practical tools and seminars
- Intensify the public relation work in the field of OSH and especially the role of the LI
- Interpret laws and regulation in an easy and understandable way
- Sector related training and specific experiences
- Consider a training facility for labor inspectors
- Develop a data base for interpretation of the Vietnamese labor law

### Workshop concept proves to be beneficial

Comparing the role models of German labour inspectors with those of their Vietnamese colleagues proved to be particularly interesting and showed potentials for improvement in Vietnam. Also, Bettina Nickel received excellent feedback on her talk, explaining the Employer's View on Safety and Health in SME's and Cooperation with BG RCI Labour Inspections Services in Germany from the first-hand point of view of a manager of a mining plant employing 70 people.

The workshop character and the cooperation uniting different points of view as well as comprehensive

expertise was considered a huge success by all stakeholders involved in the Da Nang meeting. In particular, the mode of group work proved to be very constructive and efficient. As a result, the Da Nang Recommendations were produced, summarizing how labour inspection in Vietnam can be aligned to international experiences and models of good practice, while adapted to local prerequisites.

### Gaining first-hand insight abroad

Nguyen Van Tien, Director General of MOLISA Inspectorate, joined the exam of a BG labour inspector at the end of the two-year training period in Germany to gain deeper insight into the German approach one month later.

## ISSA Mining in dialogue ISSA Mining welcomes Turkish lignite mining operator TKI as new member

On 1 February 2013, an ISSA Mining delegation comprised of President Theodor Bülhoff, Secretary General Helmut Ehnes and Regional Representative Nevzat Bağli welcomed Turkish lignite mining operator Türkiye Kömür İşletmeleri Kurumu (TKI) at TKI's in Turkey's capital Ankara.



From left: Helmut Ehnes, Muammer Bulut (Deputy Director General), Mustafa Aktas (Director General), Theodor Bülhoff, Nevzat Bağli



<http://www.tki.gov.tr/icerik/sayfa.aspx>



## ISSA Mining in dialogue

# ISSA Mining General Assembly in Vietnam: New Vice-President elected, South America in focus

**ISSA Mining held its 32. General Assembly 15 March 2013 in Hanoi, Vietnam. The assembly elected a new Vice-President, and decided to intensify the promising cooperation with South American mining stakeholders.**

The delegates discussed the comprehensive agenda, which included a review of the many events and cooperation since the last assembly 2010 in Capetown, South Africa.

Secretary General Helmut Ehnes said that ISSA Mining now unites 69 members, which represents a 50% increase since the last meeting of the General Assembly.

Looking into the future, Ehnes mentioned an ISSA Mining workshop running in Da Nang/Vietnam 16 – 17 July 2013 in collaboration with the Ministry of Labour, Invalids and Social Affairs, in which Vietnam

labour inspectors are to introduce their experience and ideas to international partners – including the view of prevention experts as well as employees and employers alike to initiate a reform of the Vietnamese labour inspection system.

He also introduced the German Economic Forum in Chile, where ISSA Mining and Mutual Chile will jointly present in October 2013.

The members of the General Assembly warmly welcomed Mutual de Seguridad C.Ch.C from Chile as a new member, represented by Julio Franzani at the meeting. ISSA Mining is glad for the valuable connection to South America as an important mining region.

Mr Chetan Garg introduced himself to the members as the new ISSA Mining Representative for the India region.

Ehnes discussed revised standing orders as suggested by the ISSA for the international prevention sections. The member assembly decided to put these into force for ISSA Mining.

At a meeting of ISSA Mining's board members January 14 2013 in South Africa, Peter Schrimpf, member of the Board of Directors of RAG AG, expressed he would be willing to take over the role of ISSA Mining's Vice-President next to John McEndoo and Bui Hong Linh. The General Assembly voted Mr Schrimpf in. German mining corporation RAG looks back on decades of experience in coal mining and large depths in Germany, and presents an outstanding record in occupational safety and health. ISSA Mining is convinced that Peter Schrimpf's competence and experience will largely contribute to its international work.



Theodor Bülhoff (second from left) welcomes Julio Franzani representing Chilean Mutual de Seguridad C.Ch.C as a new member, fourth from left Alejandro Morales.

How does applied research affect OSH improvements? IAB scientists explained.



## ISSA Mining in dialogue Vietnam OSH experts leading bilateral discussions, studying models of good practice in German industry

**Vietnam's ongoing reform of the social security system including the improving standards of occupational safety and health led a high-ranking delegation to Germany 21. – 29. August 2013. On the agenda were good OSH practice in mining enterprises, a plant tour to a world-class chemical manufacturer, practical insights into modern seminar concepts in safety and health and research.**

The Vietnamese delegates was comprised of decision-makers stemming from the Ministry of Labour, Invalids and Social Affairs (MoLISA) including Mr Nguyen Van Tien Direc-

tor General of MoLISA's Labour Inspectorate and Ms Do Thi Thuy Nguyet, Deputy Director General of Bureau for Safe Work, as well as industry representatives including Mr Nguyen Van Thanh, Deputy Director Production Control Center in Quang Ninh of VINACOMIN (Vietnam Coal and Mineral Industries Group (TKV)), Vietnam's largest hard coal producer.

### Models of good OSH practice in mining

How is safe production performed in Germany? The Vietnamese policy makers and industry managers

showed great interest in the safety and health management of successful companies. The delegates gained valuable insights at gypsum producer Knauf Industries in Iphofen and during a visit to Franken Schotter Industry's Dietfurt plant in Treuchtlingen. The managers of both producers gave a comprehensive insight into the production facilities and discussed the safety management.

### Mastering high risks – a model of excellence

BASF SE in Ludwigshafen introduced the delegation to its safety and health strategy and approaches,



Franken Schotter Industries showed safe mining processes.



BASF SE explained how a multinational corporation achieves outstanding results also in safety and health protection.

including a guided tour of the BASF safety training center and a plant tour. BASF, the world's leading chemical company with more than 110,000 employees across the world, gave valuable insights and practical impulses on how an international corporation achieves excellent results in safety, health, security and environmental protection.

**OSH training and applied research**

During a visit of the BG RCI OSH training center in Maikammer, manager Ulrich Bürkert gave a comprehensive presentation illustrating successfully applied didactics and the BG RCI training concept. A tour of the academy showed modern tools of knowledge transfer.

Applied research was on the agenda while visiting the Institute for Advanced Construction Technology, IAB Weimar. The scientists explained how research drives innovation in practical prevention.



Practical demonstration at BG RCI's OSH academy in Maikammer.

**Capacity building on labour inspection**

Vietnam aims to improve the labour inspection system. Following a successful joint MoLISA/ISSA Mining workshop in July in which important targets and milestones were defined, Mr Nguyen Van Tien as Director General of MoLISA's Inspectorate joined the final exam of two German labour inspectors at the end of their quality assured two year training

period including the practical examination at a car part producer.

**First-hand impressions and knowledge transfer helpful**

At the closing discussion, the Vietnamese visitors stated unanimously that the many impressions and information will help in the ongoing redesigning progress of social security including the improvement of occupational safety and health.





# ISSA Mining in dialogue

## Vietnam: ISSA Mining intensifies exchange in workshop, discussions

Some 90 international participants joined the workshop “Strengthening National Occupational Safety and Health System in Hazardous Work Areas”, organized by ISSA Mining in conjunction with MoLISA, the ILO and ASEAN-OSHNET. Participants stemming from Chile, India, Germany and the ASEAN countries led a motivated discussion on designing an efficient legal framework for occupational safety and health and good practice in the organization of labour inspection in Ha Noi, Viet Nam, 14-15 March 2013.

### Different regions, one target: safe mining

ISSA Mining Secretary General Helmut Ehnes gave a first insight into the new “ISSA Guideline on Prevention in Social Systems”, which is currently being prepared to collect all aspects of designing a well-working prevention system by social

security organizations throughout the world.

ISSA Mining expert Chetan Garg showed a comprehensive overview of mining in India and explained what actions are taken in safety and health. Peter Rödel, expert member of ISSA Mining, led the audience through a currently developed eLearning platform and showed what can be achieved in OSH by means of electronic tools.

ISSA Mining member Doan Minh Hoa explained the industry’s view on the revision process of the national OSH legislation.

An interesting presentation was given by Julio Franzani of the new ISSA Mining member Mutual: titled “Social Security System in Chile and the Role of the Mutualidades”, Julio Franzani explained the structure and approaches in prevention in Chile.

ISSA Mining member Mrs. Nga Nguyen, RWTH university Aachen Germany, linked the Vietnamese and the German experience in her talk “Applying German Training Methods to Safety Training Seminars in Vinacomin to Strengthen the OSH System”. As a result of the discussion, six recommendations were developed by the delegates.

Experts from Myanmar and Indonesia seized the opportunity to discuss questions of mine safety with ISSA Mining experts in Ha Noi and expressed interest on further exchange.

### Linking competences

A visit to a fertilizer producer on March 16 gave insight into the development on OSH in Vietnam.

Following the workshop and site visit, the ISSA Mining experts joined the opening ceremony of the National Safety Week in the Quang



ISSA Mining President Theodor Bühlhoff underlined the intention for long-term cooperation with Vietnam’s OSH experts.



How to qualify miners independent of time and location? ISSA Mining’s Peter Rödel discussed an eLearning concept.



Chau Industrial Zone, Bac Giang on March 17, opened by Minister of Labor, Invalids and Social Affairs Pham Thi Hai Chuyen. During the event, ISSA Mining President Theodor Bülhoff received good feedback on his address on collaboration in OSH and the effects of a prevention culture. (Download available at ISSA Mining's website). Bülhoff's address, in which he called for prevention as a joint effort of society and summarized the intensive cooperation with Vietnam on OS&H, was also broadcasted on national television.

**Revising the national legal framework on OSH**

ISSA Mining seized the opportunities for ample discussions with impor-

tant OSH stakeholders during the three following days. Meetings with MoLISA, the Department for International Cooperation, DoLISA in Ho Chi Minh City and the German Agency for International Collaboration (GIZ) gave the platform for exchange.

A consecutive workshop in Da Nang Vietnam in July on the role of Labour Inspectors and the Social Partners as well as the visit of a Vietnamese delegation to Germany in August to study OSH training, communication and media in prevention were designed, both within the framework of the cooperation agreement between MoLISA and ISSA Mining. MoLISA delegates explained the revised OSH regulations of Vietnam, currently in the process of

preparation. MoLISA expressed that ISSA Mining's input would be appreciated, as international expertise is sought for. Japan, Singapore, Malaysia and South Korea have already confirmed their support.

**First hand exchange with labour inspectors**

March 22 gave the chance for discussion on labour inspection, including a first hand experience exchange with DoLISA labour inspectors in Ho Chi Minh City. The management of the 70 head office explained the scope and methods of labour inspection, including aspects such as selecting operations to be inspected and the procedures following fatal accidents at work.



Some 90 international delegates discussed prevention in high risk areas.

The system in Chile: Alejandro Morales explained Mutual's approach.



## ISSA Mining in dialogue

# ISSA Mining co-hosts colloquium "Future organization of mine-rescue in the center region of Germany" in Freiberg

Mining operations undergo a structural change in Germany: while large mines close, new ones are started on a much smaller scale. With mine rescue traditionally being provided by large mining corporations, the shift in industry calls for adaption of the mine rescue as well. In cooperation with ISSA Mining together with Wismut Mining, the Mining University Freiberg invited involved stakeholders and experts to discuss perspectives on 2 October 2013 in Freiberg, Germany.

130 experts joined the colloquium, among them representatives of mines, prevention experts, fire departments, experts on emergency response and communication, universities, mining authorities, administration and suppliers.

### Three miners die in accident one day prior to the colloquium

The meeting was overshadowed by a tragic mine accident in Germany the day before, in which three miners lost their lives. In a potash

mine, carbon dioxide was emitted at high pressure after blasting operations. ISSA Mining General Secretary Helmut Ehnes dedicated his welcome address to the victims, their families and all people affected by the incident. These fatalities show the importance of safety, prevention, a culture of prevention and efficient mine rescue as clear as can be, Ehnes stated, and added "I am still convinced that we can come much closer to our aim "Vision Zero" as we managed until today. I am calling to all of you to help us to do everything possible - this is what we owe the miners and all people affected!"

### ISSA Mining discusses strategy and mine rescue organization

Helmut Ehnes talked on prevention programmes basing on the Vision Zero prevention strategy and tools for implementation. He also showed options for international cooperation in mine safety. Jens Schulz discussed the setup and organization of mine rescue teams.



A moment of silence was dedicated to three miners who lost their lives after blasting one day prior to the symposium.

## ISSA Mining in dialogue

# Ministry of Labour and Social Security, Turkey and ISSA Mining sign Memorandum of Understanding

Since 2010, Turkish corporation Türkiye Taskömrü Kurumu (TTK) and ISSA Mining work closely together in improving occupational safety and health in hard coal mining. The cooperation is strongly supported by Turkey's government. To tie the relations even closer, the Ministry of Labour and Social Security, Turkey and ISSA Mining signed a Memorandum of Understanding for the period 2013 – 2016.

Promoting occupational safety and health in Turkish hard coal mining is the aim of an ISSA Mining audit project initiated in 2010. The Turkish Ministry of Labour and Social Security and ISSA Mining now signed a Memorandum of Understanding to form the foundation of an ongoing collaboration until 2016.

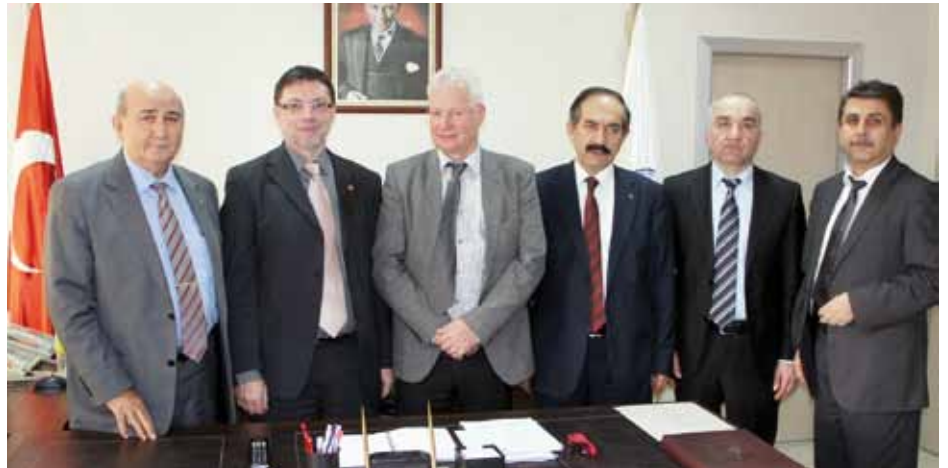
The agreement reflects the lasting and trustful cooperation and is designed to improve the applied technology and the level of organization in aspects of machine safety,

ventilation and explosion protection, safe handling of explosives as well as training and qualification.

The memorandum was signed in the capital Ankara 1 February 2013. Signatories were Kasim Özer, Director General and Mehmet Tezel, Director Labour Inspection for the Ministry's side as well as Helmut Ehnes and Theodor Bülhoff for ISSA Mining.



Mustafa Konuk, State Secretary (right)



From left: Mehmet Tezel, Director Labour Inspection Ministry of Labour and Social Security, Helmut Ehnes, Secretary General ISSA Mining, Theodor Bülhoff, President ISSA Mining, Kasim Özer Director General Ministry of Labour and Social Security, Nevzat Bagli, Regional Representative Turkey for ISSA Mining, Halil Ibrahim Cevik, Deputy Director Labour Inspection.





## ISSA Mining in dialogue Team of mining academics from Soma, Turkey, exchanges with German mining experts

**ISSA Mining's relations to the Turkish mining sector are close. Next to operators TTK and TKI, the Soma Vocational School of Celal Bayar University became a full member of ISSA Mining.**

In order to discuss modes of cooperation and to exchange information on an expert level, a delegation comprised of Mr. Firat Tekin, Mr. Mesut Ciftci, Mr. Fatih Suvaydan, Mr. Erkan Hafizoglu and Mr. Deniz Mamurkli visited Germany in July

2013. The comprehensive study tour was organized and steered by senior labour inspector and ISSA Mining senior expert Matthias Stenzel.

On 8 July, the delegation visited the RAG training mine and the TZB Grullbad, a training center for miners from RAG Deutsche Steinkohle. From ISSA Mining's side, Mr Georg Beyer, BG RCI and Uwe Seeger, RAG Deutsche Steinkohle accompanied the visits.

The following day included an underground tour of the Auguste Victoria hardcoal mine, operated by RAG Deutsche Steinkohle. Explanations were given by Mr Klaus Stahl, BG RCI and Uwe Seeger, RAG Deutsche Steinkohle.

10 July included a seminar on the education and consulting services by BG RCI, given by Heinz Bösel, BG RCI at the Rhein-Ruhr Hotel and a site visit of the RheinMain Kies gravel pit accompanied by



The Grullbad training center for miners by German operator RAG.

Heinz Bösel and Dr. Reinhard Kulozik, BG RCI.

Academic mining education was on the agenda of the fourth day of the visit. Heinz Bösel led the guests to the TFH Agricola Bochum, university of applied sciences. After an introduction to the university and its curriculum, Prof. Daniel of TFH lectured on hard coal mining. Consecutively,

the guests visited the mining museum in Bochum.

Friday, 12 July, the guests visited the Hambach opencast lignite mine operations of RWE Power, accompanied by Roman Loeffen, BG RCI

Project Coordinator Dr. Ayla Tekin of Celal Bayar University/ Director

Soma Vocational School stated that the training received by the Turkish academic team in Germany in the mining sector will play an essential role for guiding their educational activities. Moreover, the catalogue to be prepared by them within the framework of vocational training and job security in Turkey will also be very useful, Dr. Tekin added.



Heinz Bösel (second from right) introduced on education and consulting services as conducted in Germany by BG RCI.

## ISSA Mining in dialogue Improving mine safety in Ukraine: International concepts to train the trainers

**Initiated by the ILO, ISSA Mining experts introduced internationally successful safety concept for mining to 34 managers and employee representatives. The knowledge in systematic safety and health management will be disseminated to support the improvement of safety in Ukrainian mines with their high risk potentials.**

In Ukraine, the mining sector is a major contributor to its economy. Its rich mineral deposits include iron ore, manganese ore, mercury, titanium, and nickel. Coal reserves in Ukraine amount to 47 billion tons. Nearly 550,000 workers are employed in the Ukrainian mining sector. Safety and health risks are numerous and diverse: they include

exposure to dust, vibration, noise, manual handling of heavy materials and loads, and strenuous work postures.

According to data of the State Statistics Committee of Ukraine, the ore and non-metal mining sector in 2010 had 354 work accidents and 15 fatal accidents in 2010. In addi-



Initiated by the ILO, ISSA Mining experts introduced internationally successful safety concept for mining to 34 managers and employee representatives will disseminate knowledge in systematic safety and health management to Ukrainian mines.

tion, over 80 percent of the reported occupational disease cases belong to the mining as well as metallurgy industries.

The International Labour Organization (ILO) initiated training of trainers for basic occupational safety and health (OSH) management, especially adapted to the mining industry in Ukraine. The sessions were conducted by ISSA Mining, namely Secretary General Helmut Ehnes and Senior Labour Inspector Matthias Stenzel. From ILO's side, Senior Social Protection Specialist Kenichi Hirose, Senior Specialist in Workers' Activities Ovidiu Jurca and Dragan Radic, Senior Specialist in Employers' Activities joined from the ILO Budapest office. Sergiy Savchuk, ILO National Coordinator in Ukraine, coordinated the training. The seminars were held in Kyiv, Ukraine, 23-25 October 2013.

ILO's initiative for safe work in the Ukraine goes back many years, consisting of technical assistance to

the Government and social partners of Ukraine in the area of OSH to develop and implement the National OSH Programme and Strategy.

The train the trainer seminar was supported by the Federation of Employers of Miners of Ukraine and the Federation of Metallurgists of Ukraine.

34 participants attended, stemming from 10 Ukrainian mining corporations as well as the Federation of Employers of Ukraine, Federation of Employers of Miners of Ukraine, the Federation of Metallurgists and the Federation of Trade Unions of Ukraine. The industry representatives were comprised of managers, supervisors, technical staff as well



The training was attended by the Federation of Employers of Miners of Ukraine, the Federation of Employers of Ukraine, the Federation of Metallurgists of Ukraine, the Federation of Trade Unions of Ukraine and the International Labour Organization.



ILO Senior Social Protection Specialist Kenichi Hirose initiated the training of trainers on occupational safety and health management in the mining sector in Ukraine.



The participants performed group work on the discussed topics.

as trade union representatives in charge of OSH within enterprises of the mining sector.

**A systematic approach and well-proven tools for implementation**

ISSA Mining introduced the successful Vision Zero prevention strategy in the context of mining. After an overview of its history,

benefits and experiences made in mining, Ehnes and Stenzel discussed the "Seven Golden Rules for Safe Mining" comprehensively as tried and tested tools, and discussed the foundation, benefits and implementation. The mine safety experts added checklists and examples of good practice on each rule, the participants of the

seminar took the messages into workshops.

Following the three day seminar, the participants will deliver training activities on the basic OSH management at the workplace level, and support the efforts of enterprises to improve its OSH.



Helmut Ehnes introduced the 7 Golden Rules for Safe Mining and their implementation.



Senior Labour Inspector Matthias Stenzel explained systematic risk assessment.



## ISSA Mining in dialogue

# ISSA Mining connects Best Practice with Culture of Prevention in Helsinki

Renowned prevention stakeholders ran the International Symposium on Culture of Prevention – Future Approaches 25. - 27. September 2013 in Helsinki, Finland. The event brought together researchers, experts and European and International networks in the area to discuss the aims, means and solutions of developing the culture of prevention in organizations. ISSA Mining shared an outlook on the new ISSA Guidelines on Prevention.

The symposium discussed the culture of prevention related to occupational risks, such as accidents, workplace violence and psychosocial risks at work. The focus was also be on organizational culture and modes of operation in organizations as well as on the attitudes and the behaviour of individual employees.

Promoting a culture of prevention plays an important role for the ISSA. "Our symposium topic, "prevention culture", is in my opinion of greatest strategic importance for the development of working conditions, in particular of the health and safety of current and future working populations. But more than this it is also of significant importance for the future of our economies and societies.", stated Hans Horst Konkolewsky, ISSA Secretary General, in his opening remarks.

The Symposium covered topics such as comprehensive management of safety and health, challenges and barriers to promoting safety culture, ways to promote

safety culture, developing safety and prevention culture - the role of training and education, sources of support for prevention, health promotion and social accident insurance, benefits of prevention, good practice, and the integration with ISSA's Seoul Declaration 2008 and the ISSA 2014 World Congress and future approaches.

The speakers delivered highly valuable input on potentials for prevention - such as Marianne Levitsky, President of Workplace Health without Borders, Canada. By video conference, she spoke on „Challenges and Barriers to Promoting Safety Culture“, and shared thoughts of how people act thus giving very important impulses for more efficient prevention work.

The event was organized by the Finnish Institute of Occupational



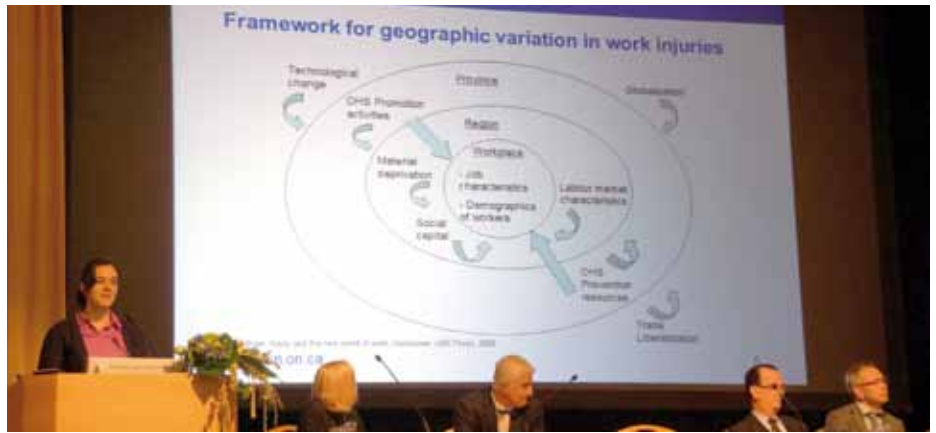
In the poster session, ISSA Mining shared the Vision Zero approach and tools to support this important prevention approach.

Health (FIOH), the Korean Occupational Safety and Health Agency (KOSHA), the National Research and Safety Institute (INRS), France, the International Social Security Association (ISSA), Special Commission on Prevention; International



Marianne Levitsky delivered her inspiring messages on „Challenges and Barriers to Promoting Safety Culture“ via live video.

Section for a Culture of Prevention; International Section on Education and Training for Prevention in co-operation with the Ministry of Social Affairs and Health, Finland, the Central Organisation of Finnish Trade Unions (SAK), the Confederation of Finnish Industries (EK), the Social Insurance Institution of Finland and the Federation of Accident Insurance Institutions (FAI).



## ISSA Mining in dialogue ISSA Mining at 35th International Conference of Safety in Mines Research Institutes (ICSMRI)



Once more, ISSA Mining contributed to the International Conference of Safety in Mines Research Institutes. At the 2013 conference in London, ISSA Mining member Dr Dirk Dahmann of IGF, Bochum/Germany, explained the Vision Zero strategy and its implementation as well as exposure assessment of nitrogen oxides in German potash and hard coal mining.

The first International Conference of Safety in Mines Research Institutes was held in 1931 in Buxton in the UK, which was then home to the UK's Safety in Mines Research Establishment (now part of the Health & Safety Laboratory). Since this time it has been held approximately every two years (with the exception of the Second World War) all around the World, making it one of the oldest, if not the oldest, global mining health & safety Conference.

Over the past 10 years it has been held in South Africa (2003),

Australia (2005), China (2007), Poland (2009) and India (2011), each conference being extremely well attended with strong local and international audiences providing a common forum to researchers, safety experts, and industry professionals for the sharing, discussion and assessment of challenges and achievements in the field of mines safety.

The London conference was also visited by over 120 experts in OSH from international mining companies and high ranking representatives of mining authorities. The meeting focused on practical experience rather than purely scientific exchange. However, a large number of state-of-the-art research papers were also given. Thus a

very fruitful atmosphere of discussion of current topics in OSH could be created. In this context the concept of ISSA's "Vision Zero" and its 7 Golden Rules were successfully introduced to the participants by ISSA member Dirk Dahmann from IGF, Bochum. The presentation led to a very lively exchange of opinions. Further cooperation will be arranged.

The sequence of this very traditional conference will be continued in 2015, probably in Canada.

**Paper Nitrogen oxides in German potash and hard coal mining, exposure assessment within two epidemiological studies available for download on ISSA Mining's website.**



[www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)



## ISSA Mining in dialogue

# "Industrial Safety Best Practices": ISSA Mining introduces Vision Zero to international experts in Yalta, Ukraine

Some 140 experts met in Yalta, Ukraine, to exchange on occupational safety and health. The expert seminar "Industrial Safety Best Practices" ran 9 to 10 October 2013 and connected industry, administration and academia discussing industrial safety from a national and international point of view. Speakers covered the sectors energy including mining, electricity and nuclear power, textile, universities and administration.

Arranged and organized by Andrian Galach, "Promyslova Bezpeka" magazine Kyiv, Ukraine, the event was supported by the Ministry of Fuel and Energy of Ukraine, Ministry of Regional Development and Construction of Ukraine, OSH, State of Emergency Situations of Ukraine, the Social Insurance against Accidents at Work and Occupational Diseases of Ukraine, Federation of

Trade Unions of Ukraine and "Naf-togaz Ukraine ". The event was organized by a specialized Ukrainian magazine "Promyslova Bezpeka" ("Industrial Safety").

Participants were Metinvest Holding (Ukraine), DTEK (Ukraine), Shell Retail (UK), Dupont (USA), ISSA Mining (Switzerland and Germany), Evraz (Ukraine), " RosUkrSert" (Ukraine), and "Osнова - Solsyf", as well as other well-known companies.

The International Forum on Industrial Safety was attended by representatives of Ukraine, Russia, Germany, USA and UK.

The Permanent Representative of the President of Ukraine in Crimea Viktor Plakida delivered a welcome note to the participants of the event. Congratulations were sent by President Alexander Hohotva, OSH Ukraine, Chairman of the

Federation of Employers of Ukraine Dmytro Firtash, Acting President of the Federation of Trade Unions of Ukraine Grigory Kosovoy.

### ISSA Mining recommends the Vision Zero Prevention Strategy, introduces tools for implementation

Heinz Bösel, ISSA Mining, gave an overview on mining and its impact on people. He showed the increased risks of accidents compared against other sectors and explained the Vision Zero Prevention Strategy including its history, development, and international experience. He demonstrated tools to implement systematic safety into mining, underlined by industry practice.

The conference gave the floor for valuable exchange for the international experts and ISSA Mining.



Some 140 international experts met in Yalta, Ukraine, for the seminar "Industrial Safety Best Practices".

*Photo courtesy of Andrian Galach*



Discussing fair trade of natural stone: former German Minister of Labour and Social Affairs Walter Riester, Reiner Krug (Trade Association DNV), Jana Stange (Retail Association BHB), Dr Heinecke Werner (WiN==WiN), Helmut Ehnes and presenter Gudrun Loeb (from left).

## ISSA Mining in dialogue Sustainable Stone: Experts discuss CSR and OSH at Stone+tec in Nuremberg

How to mine natural stone safe and responsibly? ISSA Mining Secretary General Helmut Ehnes joined a panel discussion at the Stone+tec trade fair 30 May 2013 in Nuremberg, Germany. The exchange on conditions in developing countries and the arising problems in respect to labour protection united the industry and the retail's point of view with those of CSR agency WiN==WiN, represented by Dr Heinecke Werner, as well as special guest Walter Riester, former German Minister of Labour and Social Affairs.

The former federal minister explained that he started his career as a tile layer as early as at the age of 13 years. The long experience of his life taught him that health protection is an important aspect all the more at a young age and will be a crucial factor on the quality of life. Riester also stressed the importance of education, which should be sufficiently available to young people throughout the world.

Ehnes discussed the hazards to worker's health and the tremendous social consequences, as well as the economic aspect of working conditions posing a severe risk to health. Riester and Ehnes agreed on the severe negative impact caused

by health damages, which can also affect families and societies in cases where the supplier has to quit working due to health problems such as caused by silicosis.

The cross-sector discussion showed that a process towards more social and ecologic sustainability in the natural stone industry is gaining momentum, driven by committed enterprises and a large section of the general public. More and more cities such as Nuremberg and Munich in Germany pay importance to fair procurement. In part, practical solutions are lacking; in order to find answers to the gaps, ISSA Mining, WiN==WiN, and German trade association DNV will collaborate with different stakeholders.

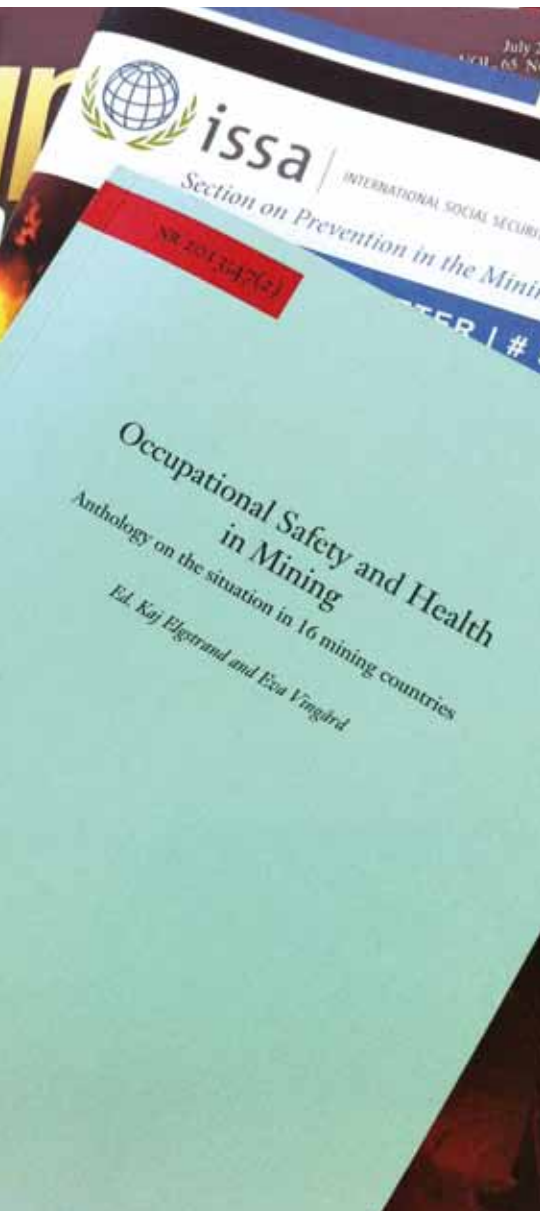


**More information:**  
WiN==WiN, Agency for Global Responsibility

@ <http://www.win--win.de/index-en.php?id=startseite>



Committed to fair social standards: Walter Riester and Helmut Ehnes.



## Research

# OSH in mining in 16 countries: Swedish University introduces international report

The Department of Occupational and Environmental Medicine of Uppsala University (Sweden) published the 180 page report "Occupational Safety and Health in Mining" in May 2013. Edited by Kaj Elgstrand and Eva Vingård, the anthology reviews the situation of safety and health in mineral mining in 16 countries. The anthology is part of the series "Arbete och Hälsa; Vetenskaplig skriftserie" (Work and Health; scientific series).

The report covers eight of the ten most productive mining countries in the world: China, USA, Australia, Canada, India, Chile, South Africa and Brazil. In addition, there are articles from Indonesia, Iran, Congo (DRC), Poland, Spain, Sweden, Turkey and Ecuador. All five continents are represented. In 2010, these 16 countries had about 65% of the total world production of minerals. Each article is structured by (1) Mining activities, (2) Safety and health, (3) Current needs.



Download at  
<http://hdl.handle.net/2077/32882>

Arbete och Hälsa online:  
<http://www.amm.se/aoh>



## Research

# Bernd Freibott: The roadmap towards a holistic safety culture based on an integrated EHS solution landscape

Bernd Freibott, Senior Director SAP, Global Sustainability Services Hub in Markdorf, Germany, shared an interesting paper on OSH once more with the readers of ISSA Mining's media. His 2013 paper "The roadmap towards a holistic safety culture based on an integrated EHS solution landscape" shows that safety and health are not isolated elements in a business and reflects on an approach for holistic inclusion.

### ABSTRACT

EHS is too often considered as a functional area or as a center of specific expertise, and EHS managers are seeing themselves too often and too much as a capsulated competence center. Such an approach to EHS will always fall far short of what is really needed for a successful, holistic, proactive and preventive safety culture. EHS is in fact an environment or network of

many stakeholders with very different rolls, objectives, expertise and backgrounds. And it is a cobweb of many processes and functions within and outside of EHS, that are all correlated with dependencies and interdependencies. Above all: EHS is not an island within a corporation, but part of the production chain and part of the operative process, from sustainable purchasing and supply change, to safe operations, sustainable product design and

productions, and on to market access and transportation. And within the network of markets, customers, competitors, regulators, NGOs, and investors it is more and more a crucial and inevitable prerequisite to assure safe and sustainable operations based on a sustainability strategy, and to measure sustainability performance and make the sustainability achievements visible. This can only be achieved in

a holistic concept or strategy that considers the classical enterprise resource planning (ERP) in the same way as it considers the broad landscape of functions and processes within EHS, i.e. assuring safety and the protection of co-workers health, facilitate safe operation, minimize the environmental impact of the operation, and design and produce sustainable, marketable products, and by this way to drive

brand safety and the triple bottom line of profit, social performance and environmental performance.

@ [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)



## Research

### Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST)

Canadian ISSA Mining member Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST) shares the results of informative studies on OSH in mining and other sectors with our readers.



### Conditions for the integration of new workers into the mining sector: an exploratory study

This case study by Canadian ISSA Mining member Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST), carried out in two mining companies, confirmed the new worker recruiting and integration challenges that the companies must deal with: one of them had to replace 72% of its manpower

between 2003 and 2008. Measures (information meetings, training on safety and companion aspects) were established to welcome and integrate these workers.

Sylvie Ouellet (IRSST);  
Élise Ledoux (IRSST);  
Esther Cloutier (IRSST) et

Pierre-Sébastien Fournier  
(Université Laval, Canada)  
Études et recherches/Rapport  
R-650, Montréal, IRSST, 2010,  
38 pages.

Report and video available in French only.

@ **Report:**  
<http://www.irsst.qc.ca/media/documents/PubIRSST/R-650.pdf>



@ **Video:**  
<http://www.irsst.qc.ca/webtv-conditions-integration-travail-leurs-secteur-minier.html>



@ **Slideshow:**  
[http://medias.irsst.qc.ca/videos/1101\\_ct\\_cr\\_HD\\_0099-8220\\_pdf.pdf](http://medias.irsst.qc.ca/videos/1101_ct_cr_HD_0099-8220_pdf.pdf)



## Estimating the Costs of Occupational Injuries - A Feasibility Study in the Mining Industry

**Canadian ISSA Mining member Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST) has tested the feasibility of developing occupational health and safety (OHS) indicators by producing a picture of the costs of occupational injuries in the mining industry during the period from 2005 to 2007. Despite companies' prevention efforts and an improvement in the situation, mining remains a hazardous industry due to the frequency and severity of accidents.**

The researchers applied two scientific methods. The human capital method was used to estimate productivity losses, while a health status index was used in combination with the willingness-to-pay method to evaluate the human costs in monetary terms. The estimates were made using data from the CSST, participating companies, published reports and government data. It is estimated that the occupational injuries that

occur in mines in one year generate total costs of around 130 million CAN\$, 80 million CAN\$ of which is attributable to human costs and 50 million CAN\$ to financial costs. Also, the average cost of an occupational injury is more than 100,000 CAN\$. "Actually, methodological limitations mean that the cost of occupational injuries in the mining industry is probably underestimated," notes IRSST economist Martin Lebeau.

The study demonstrates that it is possible to estimate the financial and human costs of occupational injuries in mines. However, it would be difficult to prepare as exhaustive an estimate of the costs for all industries due to the limited availability of data, espe-

cially company-specific data. "Nonetheless, even limiting ourselves to the available data, it would be possible to develop an indicator that is representative of the total costs of occupational injuries per industry," concludes Martin Lebeau, the main author of the study *Estimating the Costs of Occupational Injuries - A Feasibility Study in the Mining Industry*. In any event, these data will cast a new and different light on research priorities.

Martin Lebeau (IRSST);  
Patrice Duguay (IRSST) et  
Alexandre Boucher (IRSST)  
*Studies and Research Projects/  
Report R-774, Montréal, IRSST,  
2013, 90 pages.*



[http://www.irsst.qc.ca/media/  
documents/PubIRSST/R-774.pdf](http://www.irsst.qc.ca/media/documents/PubIRSST/R-774.pdf)



## Evaluation of the vibration and noise from mining equipment

**The aim of this project by Canadian ISSA Mining member Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST) was to identify the different vibration and sound sources from among a range of mining equipment which can potentially have a harmful effect on workers' health. First, a questionnaire was distributed to 12 underground mines to produce an inventory of the underground mining equipment. A technical committee then**

**established a list of categories of equipment to be evaluated by using a decision model taking into account the severity of the vibrations, the number of exposed workers, the average duration of the exposure, as well as data available in the literature.**

Subsequently, a compact, robust and inexpensive acquisition system was developed so that a measurement campaign could be carried out in Québec underground mines.

This system consists of two USB NI-9234 cards from National Instrument providing a total of 8 channels, an external Li-ion battery, a minicomputer with flash memory hard disk for extra reliability, as well as a small waterproof Pelican case. To meet the requirements of ISO 8041:2005, an FIR digital filter was added to correct the gain in the low frequencies. Noise recording was done using a type 2 microphone connected to a digital recorder.

A total of 28 pieces of mining equipment in 8 Québec underground mines were evaluated. Several of these pieces of equipment have a sufficiently high vibration level to pose a risk over the long term to workers' health. The tasks associated with the highest whole body vibration levels are mucking with a backhoe (on rails and on wheels), the driving of some suspensionless vehicles, drilling on aluminum scaffolding, and the operation of scooptrams. The performance of the suspension seats of the differ-

ent equipment was also evaluated. Several seats, mainly those of the Minecat 100PC and several scooptrams, contributed significantly to the increase in the operator's vibration exposure. The noise exposure of the operators of the different equipment was also documented. The pneumatic equipment, such as backhoes and pneumatic rock drills, had the highest noise levels.

Finally, seven specific recommendations were formulated for reducing mining workers' exposure to

noise and vibration, based on the results obtained and the observations made during the measurement campaign.

Pierre Marcotte (IRSST);  
Sylvain Ouellette (CANMET);  
Jérôme Boutin (IRSST);  
Gilles LeBlanc (CANMET)  
Études et recherches/Rapport R-682, Montréal, IRSST, 2011, 197 pages.

Report and video available in French only.



**Report:**  
<http://www.irsst.qc.ca/media/documents/PubIRSST/R-682.pdf>



**Video:**  
<http://www.irsst.qc.ca/en/-webtv-evaluation-des-vibrations-bruit-mines.html>



## Toolbox Raise awareness of slips and trips at work: Napo helps!

Slips and trips are “No laughing matter”. They are one of the most common workplace hazards and cause tens of thousands of accidents in the workplace every year. Yet Napo, the animated employee, illustrates this key message in a light and unforgettable way.

This film seeks to promote good practice to prevent slips and trips and is applicable to all industrial sectors and all workers. As no spoken language is used, Napo films can be used anywhere in the world.



<http://www.napofilm.net/en>





## Awards

# Leadership for safety at work: CEMEX Polska, Poland, commended in European Good Practice Awards

CEMEX Polska created a programme to increase awareness of risks and promote the active involvement of employees, supervisors and top-level management in accident prevention to face the numerous risks to its employees and contractors such as falls, burns, being caught in moving machinery and road traffic collisions.

CEMEX is multi-national company in the cement, concrete and building materials industry. The company concluded that a major cause of accidents is that employees ignore health and safety rules and take shortcuts. Additionally, supervisors were failing to perform their duties.

### Leadership on Occupational Safety

CEMEX Poland undertook the accident prevention programme under the title 'Leadership on Occupational Safety'. Top-tier management – the CEMEX Poland President, board members and directors – all visited individual sites.

The visits were devoted exclusively to health and safety matters. Informal discussions took place with employees and suggestions on the reporting of hazards were passed on to site managers.

A training programme was introduced for managers. The training provided a blueprint for changing the way employees were managed

and the way managers approached occupational safety and health (OSH). A major element of the programme was the introduction of hazard report forms for employees. The forms, which were also used by contractors working at CEMEX sites, were designed to identify potential accidents before they occurred so corrective measures could be undertaken.

The OSH programme also included the drivers of vehicles transporting concrete and cement, as traffic accidents were the most common type of accident occurring at CEMEX.

Meetings were held between managers and drivers to enable managers to understand driver working conditions and for the importance of health and safety to be emphasised to drivers. Training on safe driving was undertaken and driver audits, checking driving safety and the technical state of vehicles, were carried out.

CEMEX OSH rules were applied to contractors. Contractual fines were introduced for contractors that breached safety rules and the best contractors were recognised. Contractors that adhered to the rules were placed on a qualified suppliers list and their services were most likely to be used.



### Higher awareness, fewer accidents

The results achieved by the programme show tangible results in the improvement of OSH:

- There was a 23% increase in the number of potential accident report forms submitted by employees in the first eight months of 2012, compared to the same period in 2011.
- The number of accidents affecting CEMEX Poland employees fell by two-thirds from 2009 to 2012.
- There was a fall in the number of accidents involving CEMEX contractors.
- There was an increase in the number of OSH-focused top management visits to production sites.
- CEMEX Poland won first prize in an OSH competition that included CEMEX operations in 50 countries.

## Commended in European Good Practice Awards

CEMEX Polska's initiative found commending in the 11th edition of the Good Practice Awards by the European Agency for Safety and Health at Work (EU-OSHA), in which several hundred companies of all sizes from 29 countries in the EU and beyond competed. This year EU-OSHA rewarded the best examples of cooperation between managers and employees in risk prevention.

EU-OSHA announced the ten winners during the European conference 'Small business and workplace safety and health: the challenge; the opportunity', organised just one day after the World Day for Safety and Health at Work (28 April) by the Irish Presidency of the European Union in Dublin. This was the first time EU-OSHA gave joint awards to both managers and workers, which is in line with the ongoing Healthy Workplaces Campaign on the topic of 'Working together for risk prevention'.

'The benefits of good occupational health and safety policies are still not always recognised at the individual company level in Europe, and especially among micro, small and medium-sized enterprises,' said Dr Christa Sedlatschek, Director of EU-OSHA. 'This competition proved that it is possible that even a company with only seven employees can have innovative prevention solutions, as was the case with one of the Spanish award-winners,' she added.

'We would like to show that ideas and concepts developed by the

winners of the Good Practice Award can be adapted across different industries and Member States and in organisations of different types and sizes', stressed László Andor, Commissioner for Employment, Social Affairs and Inclusion. 'Taking stock of innovative solutions and best practices in Europe should also help us in the effort to further develop health and safety policies for the future'.

Winners of this edition were expected to show strong management leadership and active worker participation in safety and health. The organisations represent a wide variety of sectors, for example health care, retail,

and agriculture. The ceremony was an occasion for the winners to exchange their good practices, such as the reduction of accidents in automobile production in Turkey, how staff well-being was improved at a technology company in Finland or how Irish dairy industry workers identified risks in their sector and tackled them.

During the event EU-OSHA also commended a further ten companies, among them CEMEX Polska's accident prevention programme. A new booklet showcases the good practice initiatives they have implemented.

### More on the web

#### EU-OSHA's full news release



<https://osha.europa.eu/en/press/press-releases/ten-european-companies-recognised-for-their-innovative-contributions-to-risk-prevention-in-the-workplace>



#### EU-OSHA Good Practice Awards 2012-13



[https://osha.europa.eu/en/competitions/good-practice-award\\_2012-2013](https://osha.europa.eu/en/competitions/good-practice-award_2012-2013)



#### Booklet with awarded and commended examples



<https://osha.europa.eu/en/publications/reports/european-good-practice-awards-2012-2013/view>



#### Healthy Workplaces Campaign



<http://healthy-workplaces.eu/>



## More events for the Mining Industry

<b>sicur 2014 - International Security, Safety and Fire Exhibition</b>	<b>25. - 28.02.2014</b>	<b>Madrid, Spain</b>
Seminar on the prevention of dust explosions - risk assessment of machines and plants (in German only) by ISSA Machine and System Safety in conjunction with ISSA Chemistry	12. - 13.03.2014	Munich, Germany
<b>INAgritech 2014 &amp; Con-Mine 2014</b>	<b>19. - 22.03.2014</b>	<b>JIExpo - Jakarta, Indonesia</b>
Seminar "Functional Safety and Validation" by ISSA Machine and System Safety	15. - 16.04.2014	Shanghai, China
<b>Expomin 2014</b>	<b>21. - 25.04.2014</b>	<b>Santiago, Chile</b>
XX World Congress on Safety and Health at Work 2014	24. - 27.08.2014	Frankfurt on the Main, Germany
<b>POWX 2014 - Bulk Powder Expo Russia</b>	<b>03. - 05.09.2014</b>	<b>Moscow, Russia</b>
IX International Rescue Competition, Poland	06.- 13.09.2014	Poland
<b>31st International Congress on Occupational Health</b>	<b>31.05. - 05.06.2015</b>	<b>COEX Convention Center, Seoul, Korea</b>
International Mines Rescue Body Conference 2015	06. - 10.09.2015	Hanover, Germany



## New members

### Ordinary members

- **Kailuan (Group) LLC**, Tangshan, Hebei, China
- **CFT GmbH**, Gladbeck, Germany
- **Celal Bayar University Soma Meslek Yüksekokulu**, Soma/Manisa, Turkey

### Corresponding members

- **Reinhold Stritzelberger**, Mauer, Germany
- **Prof. Dr. Bui Van Boi**, Hanoi, Vietnam



## Up-to-date, versatile and always available: ISSA Mining on the Web

What is the impact of nanotechnology healthwise? How can I reduce the risks arising from heavy equipment? How do we face the challenges of competently and safely integrating miners? And where does standardization of respiratory protective devices go? ISSA Mining's website spans these and many other topics, brought to you by ISSA

Mining experts and by courtesy of specialists of related associations and institutes.

ISSA Mining's website is continuously updated and tells about latest events in both OSH and the mining industry.

Just one click away:  
[www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)

## Not a member of ISSA Mining yet?

Join ISSA Mining and...

- ... Give input to global decisions in OSH politics for mining
- ... Show your commitment to occupational safety & health
- ... Prove Corporate Social Responsibility (CSR)
- ... Play an active role in setting standards and recommendations
- ... Get in contact with the leading non-profit organisations for OSH
- ... Be part of an independent international network
- ... Get in touch with key players, suppliers and experts
- ... Get involved in international events, congresses and workshops
- ... Get advice on the Section's topics
- ... Directly link with the International Labour Organization (ILO)

Your link to membership: [www.issa.int/prevention-mining](http://www.issa.int/prevention-mining)

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