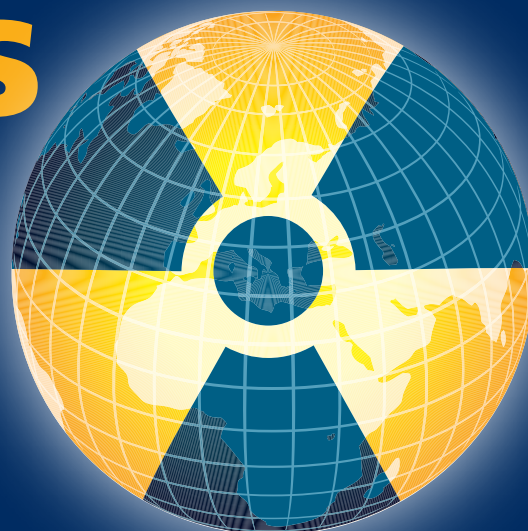


Nuclear Safety Standards Summit

Risk mitigation, regulatory updates
and global safety strategies



Wednesday 23 – Thursday 24 May 2012 • Brussels Marriott Hotel, Belgium

This conference will provide the opportunity to hear about:

- **European stress tests** – comparing results and examining different approaches around the EU
- Emergency planning for operations including **EU and IAEA notifications during Fukushima**
- Implementation of **Severe Accident Management Programmes**
- **Safety and criticality analyses** for nuclear power plants
- New emergency ready reactors designed to avoid the **common causes of failures**
- **Preparedness** based on findings from major accidents such as the Fukushima emergency response
- **Safety considerations** for **decommissioning, spent fuel and waste**
- **Protecting your workforce** in a disaster

"Very enjoyable. Good chance to network and meet new people in the field and a number of the presentations will be of value to me. Time well spent."

L Davison, Magnox

Keynote Address:



George Felgate
Managing Director
World Association of Nuclear Operators (WANO)

Other nuclear safety expert speakers include:

Philip Lowe
Director General, DG ENER
European Commission, Belgium

Andrey Museridze
Head: New Projects,
FSUE VO "Safety" Russia

Dr Martin Sonnenkalb
Head of Barrier Effectiveness Department, Reactor Safety Division,
Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) mbH, Germany

Dr François Billon
Technical Director and Executive Vice President
Onet Technologies, France

Dr Kilian Smith
Nuclear Safety /Emergency Preparedness Specialist
Radiological Protection Institute of Ireland

Dr Derek Taylor
Former Directorate General for Environment Nuclear Safety & Civil Protection

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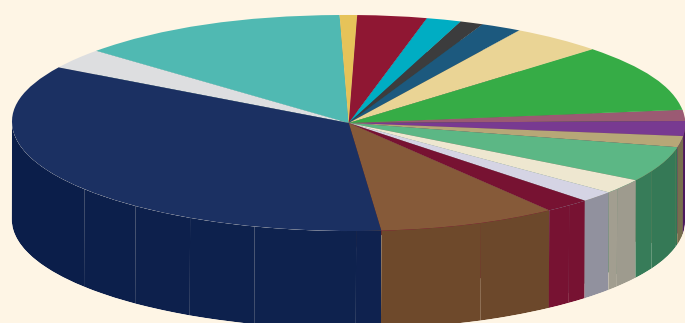


Taking place in Brussels, Europe's leading centre for nuclear debates, IBC Energy's Nuclear Safety Summit will provide a timely setting to discuss the safety reviews taking place in the wake of Fukushima.

As well as hearing directly from companies involved in helping in the aftermath of Fukushima, other critical topics being addressed at the Conference will include:

- **European Stress Tests** – comparing results and examining different approaches across the EU
- **EU & IAEA Notifications** – an overview of the regulations and guidelines
- **Reactor design improvements** – how can your reactors be designed differently to cope with nuclear disasters
- **Protecting your workforce** – implementation of key emergency procedures and preparedness

2011 IBC Nuclear Event attendees came from...



Argentina	Germany	South Korea
Australia	Mexico	Spain
Belgium	Netherlands	Sweden
Bulgaria	Norway	United Kingdom
Denmark	Russia	United States
France	South Africa	Other

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DAY ONE – Wednesday 23 May 2012

09.00 Registration and coffee

09.30 Chairman's welcome and opening remarks

Keynote Address

09.40 **Nuclear safety in the aftermath of Fukushima**

The Fukushima Daiichi nuclear disaster, the largest since Chernobyl, had led to a significant re-evaluation of existing nuclear power programmes internationally. Laurent will be addressing the wider safety issues and implications which have arisen and the impact on nuclear safety standards globally.

George Felgate, *Managing Director, World Association of Nuclear Operators (WANO)*

Setting the safety standards post- Fukushima: Authorities, stress tests and regulations

10.10 **Regulation and legislative requirements - changing nuclear safety in Europe**

- The IAEA view on Fukushima impact on safety
- Taking lessons learnt approach on safety
- Applying the regulations and legislation

10.40 Morning tea

11.10 **Conducting European stress tests and the implications**

- Understanding the importance of stress tests
- Examining how they were conducted
- Comparing results and examining different approaches
- Prevention of disaster through stress tests

Philip Lowe, *Director General, DG ENER, European Commission*

Case study

12.00 This case study will take an in-depth look at a country specific report produced in response to the European Nuclear Safety Regulators Group including improvements made to mitigation measures and safety functions

12.45 Question and answer session

13.00 Lunch

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Join our sponsors, exhibitors and industry colleagues at IBC Energy's Nuclear Safety Summit and give your organisation the chance to:

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For further information or to discuss individual requirements, please contact **Lauren Wilcox** on +44 (0)20 7017 7674 or e-mail lauren.wilcox@informa.com

ing exchanges heard in the sessions"

ard, CEA

Planning in the event of disaster: risk assessments and contingency plans

- 14.00 **The importance of emergency planning and preparedness**
- Overview of emergency response during Fukushima
 - Review of EU and IAEA notifications during Fukushima
 - Outlining the use of emergency planning
 - Preparedness on the basis of accidents abroad
- Dr Kilian Smith**, *Nuclear Safety /Emergency Preparedness Specialist*, **Radiological Protection Institute of Ireland**

- 15.00 Afternoon tea and **speedy networking**
Meet new contacts in a relaxed and fun atmosphere and maximise your networking time. Don't forget to bring your business cards!

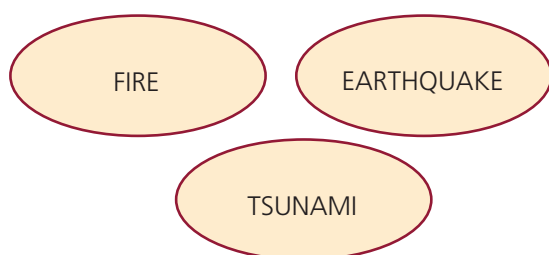
Germany

- 15.30 **Accident mitigation in German NPP's**
- History and status of implementation of Severe Accident Management Programs (SAMP)
 - Consequences on SAMP based on Fukushima accident
 - New GRS research activities after Fukushima accident
- Dr Martin Sonnenkalb**, *Head of Barrier Effectiveness Department, Reactor Safety Division, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) mbH* Germany

Russia

- 16.15 Russia is moving forward with plans for expanded role of nuclear energy, aiming to nearly double output by 2020. This session will look at the safety approach which has been taken and which will have to be taken to accommodate for this increased nuclear activity.
- Andrey Museridze**, *Head: New Projects, FSUE VO "Safety"*, Russia

- 17.00 **Champagne Risk Roundtables:**
This discussion session focuses on the safety approaches for different risks associated with nuclear operations. Each delegate will attend each table for 20 minutes to discuss and share ideas and information on various risks including:



- 17.45 Report back to the room

- 18.00 Networking drinks reception



DAY TWO – Thursday 24 May 2012

- 09.00 Morning tea

- 09.30 Chairman's opening remarks

New benchmarks in operational safety practices

- 09.35 **Safety and criticality analyses for nuclear power plants**

- Carrying out formal safety assessments
- Protecting on site staff
- Complying with environmental safety

Dr François Billon, *Technical Director and Executive Vice President*, **Onet Technologies**, France

- 10.15 **Impact of reactor design on emergency response**

- Current reactor designs
- Changing reactor designs to deal with nuclear emergencies
- Common causes of failures in reactors
- Design improvements in reactors

- 11.00 Morning tea

Panel discussion

- 11.30 **Off-site monitoring of nuclear facilities**

This panel discussion will cover the support for nuclear off site emergency management including increasing the standards of off-site monitoring and creating new methods for monitoring.

- 12.30 Question and answer session

- 13.00 Lunch

- 14.00 **Safe decommissioning of nuclear sites**

- Safety aspects of decommissioning activities
- Safety challenges to workers and the public
- Establishing safer decommissioning practices
- Learning from examples

Dr Derek Taylor, *Former Directorate General for Environment, Nuclear Safety & Civil Protection*

- 15.00 **Managing spent fuel & radioactive waste safely**

- Understanding the Joint Convention on Safety of Spent Fuel Management and the Safety of Radioactive Waste Management
- Current regulations to improve safe disposal of waste and spent fuel
- Improving management of spent fuel
- Public participation

Dr Derek Taylor, *Former Directorate General for Environment, Nuclear Safety & Civil Protection*

- 16.00 **The future of nuclear safety – safer and more reliable**

- Understanding the long-term impacts of Fukushima on safety
- Dispelling the misconceptions of nuclear power
- Tightening regulations for future nuclear operations

George Felgate, *Managing Director*, **World Association of Nuclear Operators (WANO)**

- 16.30 Chairman's closing remarks and close of conference

Event Code
FKA2264

Review safety
guidelines from
nuclear projects
around the
world

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FKA2264SCWL

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