

Dear colleagues,

Please find enclosed the seventh number of the *IWRDD-News*.

The main purpose of this newsletter is to provide information on 3IWRDD follow-up activities, upcoming events, publications, etc.

The next **number** of the *IWRDD-News* will be issued by **January 2014**. All of you are kindly invited to submit relevant information that may be included in the next number before **December 20, 2013**.

We are looking forward to receiving your contributions.

Kind regards,

Prof. Ignacio Escuder-Bueno and Eng. Jessica Castillo-Rodriguez

1. 3IWRDD and ICOLD follow-up activities

Workshop on "Dams: Incidents and Accidents"

The European Club of ICOLD, together with the Swedish National Committee of ICOLD, is organizing the **workshop "Dams: Incidents and Accidents - What can we learn?"** that will be held in **Stockholm (Sweden)** on **November 11-12, 2013**.

Registration (2700 SEK, approx. 290 EUR) is already available by following this **link** (please note that the number of participants will be restricted to 100 persons, **only 40 seats left**).

This workshop will focus on lessons learned from dam incidents and accidents occurred in Europe and over the world: 11 case studies will be presented. In addition, a full-day **study trip** on November 13 to the Älvkarleby, HPP, 200 km north of Stockholm, is being also organized, which will include a visit to the hydraulic laboratories of Vattenfall (600 SEK).

Proposed **accommodation** is at The Courtyard Hotel by Marriott in Stockholm, where a room block has been made (deadline: **October 28**).

The scientific programme and further information can be found in the Workshop website: www.conferencemanager.dk/swedcold



Registration deadline: November 1 (Extended)

VENUE:

Sweco Building, Gjörwellsgatan 22
Stockholm, Sweden

LANGUAGE:

English (translation will not be provided)

Contact

swedcold@sweco.se

81st ICOLD Annual Meeting

The **81st Annual Meeting** of the International Commission of Large Dams (ICOLD), organized by the United States Society on Dams (USSD), was held in **Seattle (Washington, USA)** from **August 12 to August 16, 2013**.

More than 1,000 participants from over 70 countries attended the conference, which included workshops, symposia, technical committees, technical tours and social events.

Further information, including pictures of the event, can be found at www.icold2013.org

12th ICOLD Benchmark Workshop on Numerical Analysis of Dams

The **12th ICOLD Benchmark Workshop on Numerical Analysis of Dams**, organized by TUGraz (**Graz University of Technology**) and the ICOLD Technical Committee A on "Computational Aspects of Analysis and Design of Dams", was held in **Graz (Austria)** from **October 2-4, 2013**.

The scientific programme included presentations from open papers and **three different themes**: "*Fluid Structure Interaction: Arch Dam Reservoir at Seismic Loading*" (formulated by G. Genz & M. Goldgruber), "*Long Term Behavior of Rockfill Dams*" (formulated by C. Marulanda & J.M. Larrahondo), and, a third theme entitled "*Consequence Estimation for Risk Assessment*" (formulated by Y. Seda-Sanabria, E. Matheu & T.N. McPherson).

The third theme, "*Consequence Estimation for Risk Assessment*", is part of an effort coordinated by USACE, DHS and Los Alamos National Laboratory, resulting in a very valuable and unique information of utmost utility for dam safety risk professionals. This theme was proposed based on the success of including a risk analysis calculation Theme in the past Benchmark Workshop, held in Valencia (Spain), in 2011, at such time a "Probability of Failure Calculation" Theme, formulated by Universitat Politècnica de València.

Further information can be found in the Benchmark Workshop website by following this **link**.

2. SPANCOLD activities

Technical Course "Risk analysis applied to management of dam safety"

The first edition of the Theoretical-Practical Course "**Risk analysis applied to dam safety management**", organized by the Spanish National Committee on Large Dams (SPANCOLD), under the direction of Prof. Ignacio Escuder, has recently concluded. This Seminar was held in **Madrid (Spain)** on September 17, September 24, and October 1, 2013.

The 25 attendees (full house) included researchers, consultants, contractors, dam owners, regulators and dam operators, both from private and public sector.

This aspect has allowed to enrich the contents by providing a great variety of experiences and points of views on dam safety management. Such contents were based on the **Spanish Technical Guideline on Dam Safety**, nr.8, entitled "Risk analysis applied to dam safety management", published in December 2012. The Technical Guideline can be downloaded in English from this [link](#).

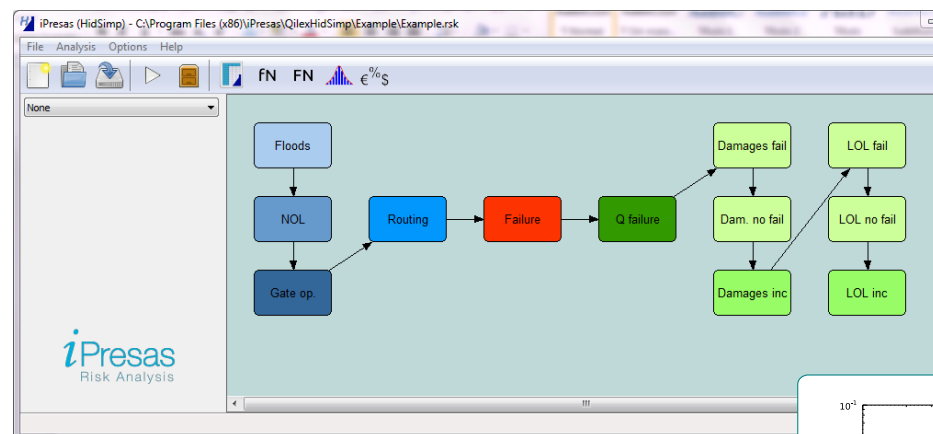
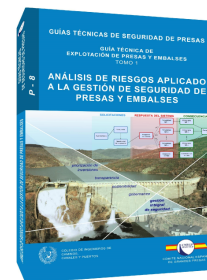
A series of practical exercises were solved and discussed, including several presentations and debate on real case studies.

During practical sessions, the software **iPresas HidSimp** was used. This software tool allows to estimate the dam failure probability due to the overtopping failure mode following a simplified approach. With that purpose, event trees and influence diagrams are used to integrate all information regarding loads, system response and consequences. The new version of this software tool was used during the course. This new version allows to analyze several scenarios with risk reduction measures, estimate risk indicators for prioritizing actions and evaluate risk by comparing risk with existing international tolerability recommendations. The software tool iPresas HidSimp can be downloaded from this [link](#).

The second edition of this course is planned in **February 2014**.

The course was conducted in Spanish.

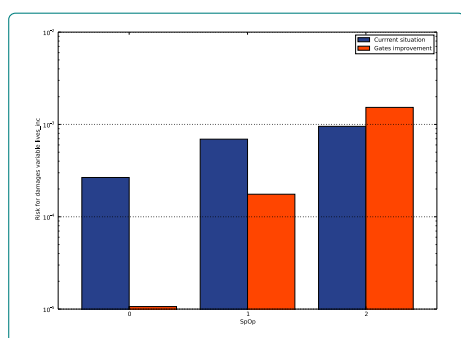
Further information can be found at www.spancold.es.



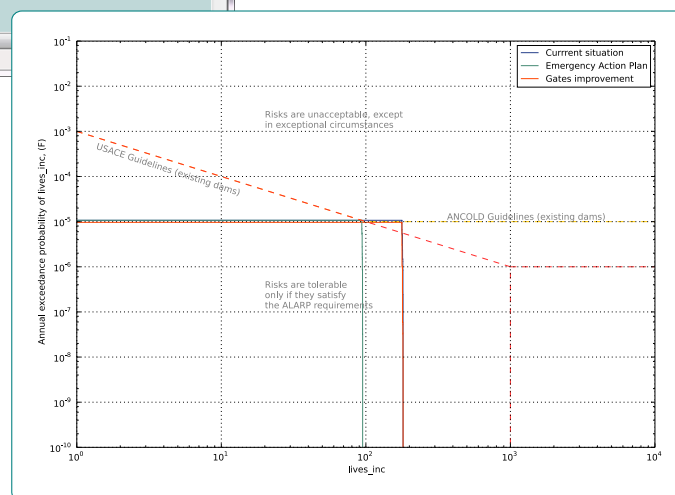
iPresas HidSimp software tool



Practical session



Societal risk for two scenarios and different gate functionality combinations



Example of risk results and comparison with tolerability recommendations

3IWRDD Facts

Proceedings of the 11th ICOLD Benchmark Workshop of Numerical Analysis of Dams,
Ed: Escuder-Bueno et al.,
ISBN 978-84-695-1816-8,
SPANCOLD, Madrid, Spain.
www.spancold.es

Proceedings of the 3rd International Forum on Risk Analysis, Dam Safety, Dam Security, and Critical Infrastructure Management.
Ed: Escuder-Bueno et al.,
ISBN 978-0-415-62078-9,
CRC Press Balkema,
Taylor & Francis Group, London, UK.
www.balkema.nl

Visit our **BLOG:**

"Risk Analysis and Critical Infrastructure Management"

News, events, courses, links to articles, etc. regarding risk analysis and other related topics are periodically in this platform. You are invited to participate, leave your comments, propose new entries and take part of this initiative on this website:



Reminder

If you wish to **share** relevant **information** to be potentially included in the next **number** of IWRDD-News, please send an email to jecasrod@upvnet.upv.es before **December 20, 2013**.

3. Upcoming events

In this section, a list of several upcoming events related to the topics of the IWRDD is included (sorted in ascending order by date):

- **Organized by ICOLD and/or National Committees:**

82nd ICOLD Annual Meeting

Organized by: International Commission on Large Dams (ICOLD) & Indonesian National Committee on Large Dams (INACOLD)

Date: 1 - 6 June 2014, Venue: Bali Nusa Dua Convention Center (BNDCC), Nusa Dua, Bali (Indonesia)
Website: www.knibb-inacold.com

83rd ICOLD Annual Meeting

Organized by: International Commission on Large Dams (ICOLD) & Norwegian National Committee on Large Dams (NNCOLD)

Date: 14 - 19 June 2015, Venue: Stavanger, Norway
Website: www.icoldnorway2015.org

- **Organized by other institutions related to IWRDD topics:**

SAFE 2013 "5th International Conference on Safety and Security Engineering"

Organized by: Wessex Institute of Technology
Date: 17 - 19 September 2013, Venue: Rome, Italy
Website: www.wessex.ac.uk

HYDRO 2013 International Conference and Exhibition

Organized by: The International Journal on Hydropower and Dams
Date: 7 - 9 October 2013, Venue: Innsbruck, Austria
Website: www.hydropower-dams.com

SRA 2013 Annual Meeting

Organized by: Society for Risk Analysis
Date: 8 - 11 December 2013, Venue: Baltimore, Maryland (USA)
Website: www.sra.org

RISK ANALYSIS 2014

9th International Conference on Risk Analysis and Hazard Mitigation
Organized by: Wessex Institute of Technology
Date: 4 - 6 June 2014, Venue: New Forest, UK
Website: www.wessex.ac.uk

ASCE-ICVRAM-ISUMA 2014

2nd International conference on Vulnerability and Risk Analysis and Management

Organized by: Institute of Risk and Uncertainty, University of Liverpool
Date: 13 - 16 July 2014, Venue: Liverpool (UK)
Website: www.icvram2014.org

5th International Disaster and Risk Conference (IDRC)

Organized by: Global Risk Forum
Date: 24 - 28 August 2014, Venue: Davos (Switzerland)
Website: www.idrc.info



✓ **Highlighted events in this number**

For further information contact us at:
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Next bulletin: January 2014

Editors:



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www.upv.es



www.iiama.upv.es

iPresas
Risk Analysis

www.ipresas.com