

Dear colleagues,

Please find enclosed the eighth 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 **April 2014**. All of you are kindly invited to submit relevant information that may be included in the next number before **April 10, 2014**.

We are looking forward to receiving your contributions.

Kind regards,

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

1. 3IWRDD and ICOLD follow-up activities

European Club of ICOLD, Workshop: "Dams: Incidents and Accidents"

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

The workshop was a very good experience, with approximately **90 persons**, leading to a very active and open discussion. The workshop was a great opportunity to highlight the **needs** for current dam operation, and also to discuss **experiences** and **lessons learnt** in the past decades. Presentations on earlier experiences in different countries were given.

Conclusions from this workshop highlight the importance of finding, keeping and using documentation and sharing experiences of past incidents and accidents to avoid them from happening again. In addition, a new perspective brought up, considering dams as components of a bigger system and the interaction between all parts (human, organizational and technical aspects). During this workshop, general interest arose on creating a potential database of incidents, developed by ICOLD, to be used in the future as a reference place for the dam engineering community.

Further information can be found in the Workshop website:

www.conferencemanager.dk/swedcold

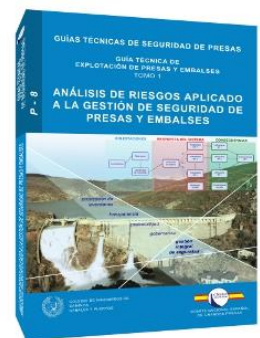


SPANCOLD, Seminar: "Risk analysis applied to management of dams and reservoirs"

Almost one year after the Spanish Technical Guide on Dam Safety Nr. 8, "**Risk analysis applied to management of dam safety**" was published, a seminar was held in **Madrid (Spain)** on **November 8, 2013**, organized by SPANCOLD and sponsored by GAS NATURAL. This seminar took place in the headquarters of the Spanish Professional Association of Civil Engineers.

During this seminar, real cases in **Spain** (Duero River Authority) and the **United States** (U.S. Army Corps of Engineers, USACE) were presented by Daniel Sanz (Spanish Ministry of Agriculture, Food and Environment), Ignacio Escuder (Polytechnic University of Valencia), and Nathan Snorteland (USACE).

After these presentations, Liana Ardiles, Spanish Water General Director, supported the use of risk analysis techniques in dam and reservoir management, highlighting that these techniques allow a better use of water resources and *"not only ensure the safety of our dams and reservoirs, but also sort and prioritize actions that are necessary to improve their operation, allocating economic resources in a planned, efficient and transparent way"*.



Spanish Technical Guide on Dam Safety, Nr. 8

2. Publications

12th ICOLD Benchmark Workshop on Numerical Analysis of Dams

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

The proceedings of the Benchmark Workshop, including the three proposed themes and all contributions during the Open Theme session, will be available soon in this [website](#).



Open Theme Presentation:
Rehabilitation of Beaugard Dam
(Presented by RSE SpA)

3. Upcoming events

SPANCOLD, Technical Seminar: "Risk analysis applied to management of dam safety"

The Spanish National Committee on Large Dams (SPANCOLD) is organizing the second edition of the Technical Seminar **"Risk analysis applied to management of dam safety"** that will be held in **Madrid (Spain)** on **February 2014**.

Registration for this seminar (350 EUR) is available by following this [link](#) (please note that the number of participants will be restricted to 25 persons): www.spancold.es/riesgos

The course will be conducted in *Spanish*. Further information can be found at www.spancold.es



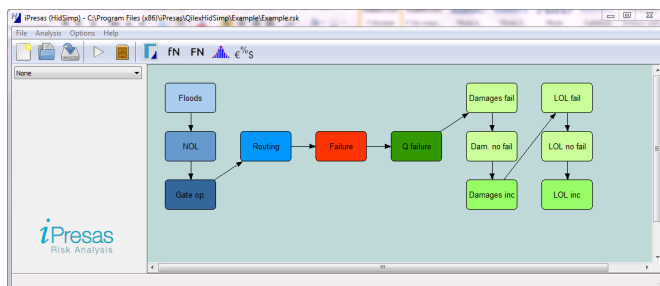
Contact
comunicacion@spancold.es

Updated versions of the software tools *iPresas HidSimp* and *iPresas UrbanSimp* are now available.

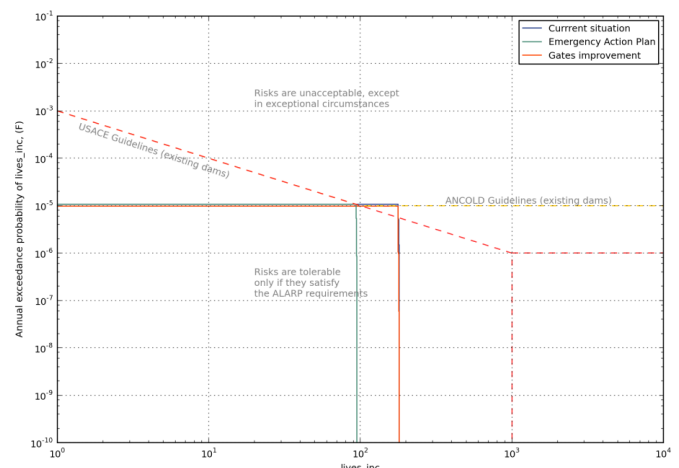
iPresas
Risk Analysis

iPresas HidSimp 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 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.

Event trees and influence diagrams are also used in *iPresas UrbanSimp*. This software tool allows to estimate flood risk in urban areas due to pluvial flooding, river flooding or dam failure.



iPresas HidSimp: Example



iPresas HidSimp: Results FN curves

Both software tools can be downloaded from this [website](#): www.ipresas.com

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 **April 10, 2014**.

✓ Highlighted events in this number

3. Upcoming events (continued)

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

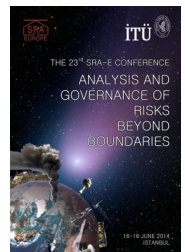
-Organized by other institutions related to IWRDD topics:

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

SRA-Europe 2014 Annual Meeting

23rd SRA-E Annual Conference "Analysis and governance of risks beyond boundaries"
Organized by: Society for Risk Analysis - Europe
Date: 16 -18 June 2014, Venue: Istanbul, Turkey (USA)
Website: www.sraeurope.org



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

HYDRO 2014 International Conference and Exhibition

Organized by: The International Journal on Hydropower and Dams
Date: 13 -15 October 2014, Venue: Villa Erba, Cernobbio, Italy
Website: www.hydropower-dams.com



SRA 2014 Annual Meeting

Organized by: Society for Risk Analysis
Date: 7 -10 December 2014, Venue: Denver, Colorado (USA)
Website: www.sra.org

For further information contact us at:
jecasrod@upvnet.upv.es

Next bulletin: April 2014

Editors:



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iPresas
Risk Analysis

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