

Dear colleagues,

Please find enclosed the thirteenth number of *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 June 2016. All of you are kindly invited to submit relevant information that may be included in the next number before **May 30, 2016**.

We are looking forward to receiving your contributions.

Kind regards,

*Ignacio Escuder-Bueno, Jessica Castillo-Rodriguez and Adrián Morales-Torres*



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## 1. Sharing experiences on dam safety: a brief summary of 2015 events

■ The **83<sup>th</sup> Annual Meeting of the International Commission on Large Dams (ICOLD)** was held on **June 13-20**, in **Stavanger (Norway)**. This edition was organized by ICOLD and the Norwegian National Committee on Large Dams (NNCOLD) and included plenary and parallel sessions, post conference tours, and the **ICOLD Hydropower'15 Symposium and Exhibition**.

Photo albums, final programmes and further information can be found at [www.icoldnorway2015.org](http://www.icoldnorway2015.org)

■ The **13<sup>th</sup> Benchmark Workshop on Numerical Analysis of Dams** was held in **Lausanne**, the fifth-largest city in Switzerland, on **September 9-11, 2015**. The Benchmark Workshop venue was the **École Polytechnique Fédérale of Lausanne**.

The Benchmark was organized by the ICOLD Committee on Computational Aspects of Analysis and Design of Dams. In this edition, about 80 delegates attended the event from different universities, research centers, private companies and management entities.

During the benchmark, two predefined themes and an open theme dedicated to Dam Safety were discussed. Theme A included seismic safety assessment of an arch dam and 10 different solutions were presented. Three different solutions were presented for Theme B, about failure probability in an earthfill dam. Finally, 20 presentations were included in Theme C.

Further information is available at: <http://icold2015bmw.epfl.ch>

■ The **5<sup>th</sup> International Symposium on Geotechnical Safety and Risk (ISGSR 2015)** was held in **Rotterdam (the Netherlands)** on **October 13-16, 2015**, as a continuation of a series of symposiums on geotechnical risk assessment and management which started in 2007 in Shanghai (China).

Organized by the Royal Dutch Society of Engineers, the Geotechnical Safety Network (GEOSNet) and the Geo-Impuls project, the event included a keynote lecture on Risk Informed Safety Programs, and a panel discussion session on Large Dams chaired by David Paul (USACE), with the participation of experts (A. Zielinsky, R. Bridle, G. Baecher, J. France, J. Rice, and I. Escuder-Bueno) and the following topics: Experience on Evaluation of Systems; Academic curriculum for Risk Analyses/Statistics; Managing Portfolio Safety and Project Management; Development of Tolerable Risk Guidelines for Portfolio Management; Research needs, and, Experience using Risk Analyses for Project Life Cycle.

Further information can be found at [www.isgsr2015.org](http://www.isgsr2015.org)

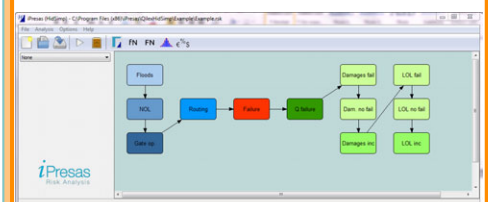


Ignacio Escuder, Chair of Session Q96, Stavanger, June 2015  
"Innovation in the use of dams and reservoirs"  
Source: iPresas



Adrián Morales, Chair of Session B, Lausanne, Sept. 2015  
Source: iPresas

**Don't forget to upgrade to the 2016 versions of iPresas HidSimp & iPresas UrbanSimp!**



**Updated versions are available at [www.ipresas.com](http://www.ipresas.com)**

## Save the date!

**Technical Seminar "Risk analysis applied to management of dam safety"**  
Organized by the Spanish National Committee on Large Dams (SPANCOLD)  
Madrid, Spain  
Presential and online

**"Advanced level" - 1st Edition (in Spanish)**  
**February 23, and March 1 and 8, 2016**

Registration will be available soon in this link

**"Basic Level" - 4th Edition (in English)**  
**April 26, May 3 and 10, 2016**

Registration will be available soon in this link



## 2. Promoting smart dam governance

### MAGRAMA-USACE Memorandum

The department of Defense of the United States, acting through the U.S. Army Corps of Engineers (USACE), and the Spanish Ministry of Agriculture, Food and Environment (MAGRAMA) have signed a **Memorandum of Understanding** for collaborating in efforts involving **Dam Safety and Risk Management** of hydraulic infrastructures.

A meeting was held in Valencia in June 2015.  
The document was signed in August 2015.



MAGRAMA-USACE Meeting (Valencia, June 2015)

## 3. Boosting a risk-informed dam safety culture

### Training activities

After 3 editions, the next edition of the **Technical Seminar on "Risk analysis applied to management of dam safety"**, organized by the Spanish National Committee on Large Dams (SPANCOLD) will be held in **Madrid (Spain)** on **April 26, May 3 and 10, 2016**, and will be conducted in **English** (presential and online).

This seminar represents the first-level course of a specific training programme on the application of risk analysis techniques to dam risk management.

In addition, the **first edition of the second-level course**, titled **"Risk analysis applied to management of dam safety: Advanced level"**, will take place on **February 23, March 1 and 8, 2016**.

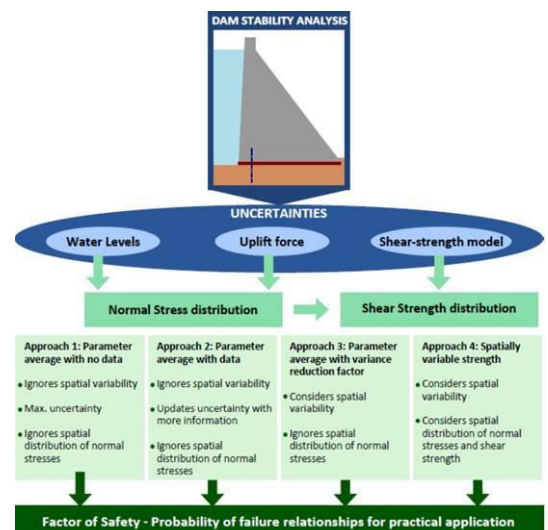
For further information, you may contact: [comunicacion@spancold.es](mailto:comunicacion@spancold.es)



2nd Edition,  
Madrid 2014  
First-level course

### Recent publications include:

**"Advances on the Failure Analysis of the Dam—Foundation Interface of Concrete Dams"**; Altarejos-García, Luis; Escuder-Bueno, Ignacio, and Morales-Torres, Adrián; *Materials* 2015, 8, 8255–8278; [doi:10.3390/ma8125442](https://doi.org/10.3390/ma8125442)



### 3. Boosting a risk-informed dam safety culture (cont.)

Recent conference papers include:

- **Smart governance of infrastructure programs: Facing the next generation of challenges and succeeding**, Eric Halpin and Ignacio Escuder-Bueno: XXV ICOLD Congress, Stavanger, Norway (June 2015).
- **Safety investments in Horcajo dam (Spain): A process informed by the application of SPANCOLD guidelines on risk analysis**, Manuel Setrakian, Ignacio Escuder-Bueno, Adrián Morales-Torres, and Dolores Simarro: XXV ICOLD Congress, Stavanger, Norway (June 2015).
- **A risk-informed journey towards improved dam safety governance in Spain**, Jessica T. Castillo-Rodríguez, Adrián Morales-Torres and Ignacio Escuder-Bueno, Second International Dam World Conference, Lisbon, Portugal (April 2015).

### 4. 3IWRDD and ICOLD follow-up activities

- The **2016 Annual Conference of the United States Society on Dams** will take place in **Denver (USA)** on **April 11-15, 2016**. The 2016 Conference Theme is "Celebrating the Value of Dams and Levees: Yesterday, Today and Tomorrow". The host will be the U.S. Bureau of Reclamation.

In this edition, authors are asked to include some discussion of the benefits that dams, levees and related technologies provide, in order to remind ourselves and the greater community of the need for and value of dams and levees to society. Further information can be found at [www.ussdams.org](http://www.ussdams.org)

- The **2016 ICOLD Annual Conference** will take place in **Johannesburg (South Africa)** on **May 16-20, 2016**. The meeting will be organized by the International Commission on Large Dams and SANCOLD (South African National Committee on Large Dams). Further information can be found at [www.sancold.rg.za](http://www.sancold.rg.za)
- The **Dam Safety 2016 Conference**, organized by the **Association of State Dam Safety Officials (ASDSO)**, will take place on **September 11-15, 2016** at the Pennsylvania Convention Center in **Philadelphia**. Dam Safety 2016 is one of the leading conferences in the United States dedicated to dam and levee safety engineering and technology transfer. Call for abstracts is now open. Further information can be found at [www.damsafety.org](http://www.damsafety.org)
- The **10th ICOLD European Club Symposium**, under the theme "Dams for Sustainable Development", will take place in **Antalya (Turkey)**, on **October 25-30, 2016**. Further information can be found at [www.trcold.com](http://www.trcold.com)



### 5. Other events

#### SRA Europe Conference 2016

Organized by: Society for Risk Analysis (Europe)  
Date: 20-22 June 2016  
Venue: Bath, UK  
Website: [www.sraeurope.org](http://www.sraeurope.org)



#### Flood Risk 2016

3rd European Conference on Flood Risk Management  
Organized by: Deltares, HR Wallingford, Samui, Irestea and the Government of the French Republic  
Date: 17-21 October 2016  
Venue: Lyon, France  
Website: [www.floodrisk2016.net](http://www.floodrisk2016.net)



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[www.riskanalysis.es](http://www.riskanalysis.es)

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