

Energiforsk AB  
Att: Sara Sandberg  
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## Deltagande i ICOLD "Technical Committee on Dam Surveillance"- 2017

**Kommitté:** Technical Committee on Dam Surveillance

The Technical Committee on Dam Surveillance started in 2003. Two bulletins have been produced, Bulletin 132 in 2009 and 158 in 2011 (English version). The Terms of Reference (ToR) of the new Technical Committee on Dam Surveillance (TCDS) were approved at the Annual Meeting in Kyoto 2012 for the term 2013-2016. An informal meeting of our previous TCDS members was held in Kyoto on June 4th 2012. It was decided to start off with a bulletin on dam surveillance case histories. In Stavanger the term was extended until 2018. In Prague it was decided to extend the Committee until 2021.

**Förordnandeperiod:** 2013-2018

**Kommitténs ordförande:** Chris Oosthuizen, South Africa (died in November 2017)  
Jurgen Fleitz (former Co-chairman, and new chairman).

**Svensk delegat:** Sam Johansson, HydroResearch AB, [sam.johansson@hydroresearch.se](mailto:sam.johansson@hydroresearch.se)

### **Kommitténs uppdrag:**

The work was defined in the ToR as: "Prepare guidelines for the optimal organization of all components, required for dam surveillance and monitoring (independently of the Automated Monitoring, already covered by Bulletin No. 118) with the purpose of dissemination in the fields of visual inspection, Continued availability and maintenance of technical data, Instrumentation and monitoring optimization, and Efficient management of monitoring data."

### ***Lägesrapport 2017:***

Our fifth meeting was held in Prague on 4 July 2017. It was attended by 17 of a total of 26 members, 3 co-opted members and 17 part-time observers. The absent members apologized except for China and Korea, who never participated in any meeting.

The draft bulletin 1 with 80 surveillance case histories was presented in the workshop organized by our Committee on 3 July 2017 (the day before the meeting). It was decided to approve the bulletin and to do a final review and editing before sending it to the Central Office to be circulated to the National Committees. Future case histories to enlarge the knowledge base are invited from each National Committee. These will be reviewed on an annual basis.

### ***Kommande aktiviteter 2018:***

Final editing of Bulletin 1 remains and will be sent to Central Office.

We will also start with working on Bulletin 2. The title will be “Acquisition and interpretation of dam surveillance data and observations”. The objective for Bulletin 2 is too:

- To share experience with the industry in order to enable proper interpretation of surveillance.
- Including setups where high level technological solutions are not always available, such as developing nations/single dam owners.

The main content of the bulletin will be:

- Methods for the improvement of the quality and reliability of information,
- Data processing and representation techniques;
- Effective diagnostic analyses to determine behavior patterns.

Three smaller groups have been created for preparing the three points above until then next meeting.

### ***Övrigt:***

It's a privilege to participate in such a group and share experience and information about both successful and less successful projects.

Sam Johansson