Dams in Africa fulfil an important role of, hydroelectric power generation, water supply, process water management, flood control, sediment and water control and recreation.

The failure of these dams can have significant consequences ranging from loss of life or injury to economic loss and damage to property and the environment.

Dam owners therefore have a legal obligation to ensure that dams are operated safely and monitored regularly to minimise the risk of failure as well as managed effectively to optimise economic and social outputs.

COURSE OBJECTIVES
This programme introduces participants to measures aimed at improving the safety of new and existing dams to ensure sustainable water resource management as well as reduce the potential for harm to people, damage to the environment, property or resource quality.

By attending the training participants will advance their knowledge of dam safety and expand on associated field surveillance skills.

MAIN TOPICS
- Basic concepts of dams
- Dam safety management principles
- Eastern Nile cooperation on dam safety management
- Dam safety assessment techniques
- Social and environmental issues related to dam safety management
- Dam safety awareness & inspection
- Dam operation and maintenance procedures
- Dam risk analysis
- Operation and maintenance procedures
- Emergency action planning and preparedness
- Surveillance and monitoring techniques
- Analysis and interpretation of data
- Documentation and reporting system

The course will conclude with a 1 day excursion where the participants will have the opportunity to visit dam sites.

TARGET GROUP
The course is in particular aimed at participants from governmental authorities, Inspectors, dam owners and operators of dams.
Women are encouraged to apply.

GENERAL
All lecturers and resource persons are well-known specialists within their field, and they have extensive international and regional experience.

Attending the courses is an opportunity to discuss and learn about current issues related to hydropower together with professionals from the continent and abroad. Participants are encouraged to bring along information that can be shared about pending energy and hydropower issues of your interest.

ADMISSION REQUIREMENTS
• A minimum of about 5 years of working experience is required.
• Applicants should hold an applicable degree or possess relevant background knowledge.
• Proficiency in English is compulsory for all the courses. Notice of admission will be given shortly after the application closing date.

ICH reserves the right to accept or reject any applicant on the basis of their qualifications and experience. Women are encouraged to apply.

SPECIFICS FOR THE COURSES
Information on travel, detailed course programme and other relevant information will be sent to all participants in due course. Participants are expected to arrive at the venue of the course the day prior to the course start, and leave no earlier than the day after end of the course.

COURSE FEE
The course fee includes lectures, materials, accommodation, meals, a social programme and fieldtrips if applicable.

International travel expenses are not included.

There is a reduced fee for ICH members. A limited number of sponsored seats are available for participants from countries prioritized by NORAD (Norwegian Agency for Development Cooperation). Those who would like a guaranteed seat on the course should secure their own funding.

MORE INFORMATION
Information on other courses can also be found on our website: www.ich.no or by contacting Carole.Rosenlund@sintef.no

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