



*SEVENTEENTH
INTERNATIONAL
CONGRESS
ON LARGE DAMS*

*DIX-SEPTIÈME
CONGRÈS
INTERNATIONAL
DES GRANDS BARRAGES*

*17-21 JUNE 1991
VIENNA - AUSTRIA*



SEVENTEENTH
INTERNATIONAL
CONFERENCE
ON LARGE DAMS

FOR THE
CONSTRUCTION
INTERNATIONAL
DES GRANDS BARRAGES

NEW YORK
NEW YORK

VOLUME

2

QUESTION 65

TRANSACTIONS

COMPTES RENDUS

*Published by the
International Commission
on Large Dams*

*Publiés par
la Commission Internationale
des Grands Barrages*

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NOTE

Units of Measurement

As for previous Congresses and though some authors do not fully agree, we attempt to follow the recommendations of the International System of Units (SI).

For example, hm^3 and km^3 were preferred to 10^6 and 10^9 m^3 , or million and billion cu.m. See Bulletin 34 "ICOLD Guide for the International System of Units (SI)", page 13.

The decimal sign may be the full stop (Anglo-Saxon usage) or the comma (European usage); but as a safeguard against confusion, full stop (period) and comma are used as decimal sign only.

Where the number of digits before or after the decimal sign exceeds three, the digit should be divided into groups of three by half space.

We meet not enough co-operation from some authors writing in English who go on keeping the comma to separate the groups of three digits instead of using half space. It was not possible to make the appropriate corrections in all the tables provided by the authors and even in the text. Sorry for the inconvenience.

AVERTISSEMENT

Unités de Mesure

Comme pour les Congrès précédents et bien que certains auteurs manifestent des réticences à ce sujet, on s'est efforcé de suivre les recommandations du Système International d'Unités (SI).

Par exemple, on a utilisé plus volontiers hm^3 et km^3 au lieu de 10^6 m^3 et 10^9 m^3 ou million et milliard de mètres cubes. Voir Bulletin 34 « Guide CIGB du Système International d'Unités (SI) », page 13.

De même, on a retenu le point (usage anglo-saxon) et la virgule (usage européen) comme signe décimal, mais pour éviter toute confusion, la virgule et le point ne sont utilisés que comme signe décimal.

Aussi, quand le nombre de chiffres avant ou après la virgule est supérieur à 3, les chiffres sont groupés par 3, chaque groupe étant séparé par un court espace.

A ce sujet nous rencontrons encore des difficultés de la part de quelques auteurs de langue anglaise qui continuent à utiliser la virgule au lieu d'un court espace pour séparer les groupes de trois chiffres. Nous n'avons pas pu apporter les corrections nécessaires dans tous les tableaux fournis par les auteurs et même dans le texte. On voudra bien nous en excuser.

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PAPERS ON Q 65

RAPPORTS SUR LA Q 65

Ageing of dams and remedial measures**Subject**

- a) Detection of ageing.
- b) Evaluation of ageing process and its consequences.
- c) Remedial measures to mitigate the ageing process.
- d) Preventive measures in design, construction and operation to limit ageing process.

Note :

Ageing = changes with time of structural properties of dams (geometrical and physical-mechanical, hydraulic, thermal, etc.) which influence the structural safety, occurring under normal operational conditions.

Viellissement des barrages et méthodes de réparation**Objet**

- a) Méthodes de détection du vieillissement.
- b) Analyse du processus de vieillissement et de ses conséquences.
- c) Méthodes de réparation pour lutter contre le vieillissement.
- d) Mesures préventives prises lors des études, de la construction et de l'exploitation pour lutter contre le vieillissement.

Note :

On entend par « vieillissement » les modifications dans le temps des propriétés géométriques, physiques, mécaniques, hydrauliques, thermiques, etc. d'un barrage, qui influencent sa sécurité dans des conditions normales d'exploitation.

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