

Publicações do Dr Marinus G. BOS

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91. Sen, P.K. and M.G.Bos 2005, Diagnosing water resources with remote sensing for the Roxo irrigation system, Portugal, Irrigation and Drainage Systems, Kluwer, Dordrecht, in preparation.

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Data e Local

13 de Outubro de 2004
COTR - Quinta da Saúde - Beja

Idioma

Apresentação em Inglês



COLÓQUIO

PERFORMANCE ASSESSMENT FOR IRRIGATION AND DRAINAGE

AVALIAÇÃO DO DESEMPENHO
DOS SISTEMAS DE REGA
E DE DRENAGEM



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15H00



PERFORMANCE ASSESSMENT FOR IRRIGATION AND DRAINAGE

A avaliação do desempenho deve ser um desafio que se coloca a todos os profissionais (gestores, investigadores e consultores, etc) das áreas do regadio e da drenagem

Atendendo a que um dos principais objectivos é o aumento da eficiência do uso da água torna-se necessário perceber, conhecer e avaliar o desempenho actual dos sistemas de rega e drenagem de forma a permitir identificar as medidas conducentes à sua melhoria.

A vantagem preliminar do desempenho orientado para a gestão é que a estratégia da gestão da água tem que ser formulada de acordo com todos os utilizadores. Esta estratégia dá origem à necessidade de criação de regras operacionais para os projectos de rega e drenagem. Além disso, a avaliação do desempenho tem as seguintes vantagens principais, entre outras:

- 1) O uso e o consumo da água pelos diferentes grupos de utilizadores (Agricultores, consumidores, industriais, etc..) pode ser quantificado e relacionado com o tipo de utilização .
- 2) O uso dos vários recursos (terra, água, conhecimento, etc..) na produção do alimento e de fibra podem ser quantificados e comparados com os valores de referência. Os efeitos negativos podem ser diagnosticados
- 3) O impacto de acções da gestão no uso dos recursos e no rendimento da produção pode ser monitorizado em relação aos valores de referência.
- 4) A apresentação sistemática do desempenho real do sistema de rega e/ou drenagem melhora a comunicação entre utilizadores.

Curriculum Vitae Prof Dr M. G. BOS

Engenheiro Civil de renome internacional e com vasta experiência na área da rega e drenagem.

Publicou inúmeros documentos científicos em revistas, 6 livros e uma tese de doutoramento. É considerado um perito internacional reconhecido nos temas: eficiência do uso da água da rega, medição e controle da rega em canais, avaliação do desempenho da gestão da água, e conceitos de projectos de drenagem.

Colabora e coordena, na orientação científica de diversas organizações profissionais internacionais.

ACTIVIDADES PROFISSIONAIS

International Commission on Irrigation and Drainage ICID
1990-1992 Chairman of the ICID Permanent Committee on Technical Activities/TAC.

1985-1988 Vice President of the ICID with responsibility for ICID's publication program.

Since 1976 I am active in several of ICID's committees and working groups; e.g. chairman of the Working Group on Irrigation Efficiencies, Chairman of the WG on Irrigation and Drainage Performance Assessment.

Since 2002 Vice-chairman of the working group on Integrated Land and Water Resource Management.

Land and Water Research Group LAWOO

1985-1996 General Co-ordinator of the Land and Water Research Group LAWOO. LAWOO is a consortium of five institutes (AB-DLO, IBN-DLO, ILRI, LEI-DLO & SC-DLO) of the Netherlands Ministry of Agriculture, Nature Management and Fisheries. LAWOO undertakes interdisciplinary research in developing countries. For example, in: Indonesia (sustainable development of coastal plains); Pakistan (water-logging and salinity in irrigated areas); and in Argentina (remote sensing and irrigation management). Fund raising for research projects and research management is part of this function.

International Journal "Irrigation and Drainage Systems"
Since 1984 Editor in Chief of the international multi-disciplinary Journal "Irrigation and Drainage Systems", by Kluwer Academic Publishers, Dordrecht.
www. wkap.nl/journals/irrigation_drainage

International Program for Technology Research in Irrigation and Drainage IPTRID

1989-1996 At the request of ICID, the World Bank and UNDP, contributed to a proposal for an internationally supported program to enhance research on irrigation and drainage technology in developing countries. On behalf of ILRI and ICID I participated in all meetings that led to the creation of IPTRID on 1 January 1991. Since then, I was leader of a 12-man team to the P.R. of China to establish its research needs and priorities on irrigation, drainage and salinity control (Sep. to Dec. 1991).

Inter-University Programme in Water Resources Engineering IUPWARE

1994-2001 Member of the Board of IUPWARE. This is the educational and research programme on land and water related subjects of the two Belgian universities: Katholieke Universiteit Leuven and the Vrije Universiteit Brussel.

International Water Management Institute IWMI (formerly IIMI)

1995-2000 Senior Research Fellow. IWMI selected an interdisciplinary team of 10 internationally known specialists to coach its research program.

PRÉMIO

1994 Crawford Reid Memorial Award. This award of The Irrigation Association (U.S.A.) is presented once per year to those who have promoted proper irrigation techniques and procedures and have brought about major advancement of the industry outside the United States.