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Aims

EARSeL Advances in Remote Sensing is an international journal serving the worldwide scientific and user community working in the field of remote sensing. Each issue of the journal is focused on a particular theme, which has been analysed and discussed among international experts within a workshop or other special events organised by EARSeL.

The aims of the journal are:

• to fill the gap between technology and applications
• to enhance international exchange of information on new developments and applications
• to promote new areas of research and applications
• to foster the use of remote sensing and the interest of new scientists.

Language

All articles published in the journal are in English.

Refereeing

All contributions will be submitted to referees. Names of referees will be kept confidential, but the names of referees will be published in every third issue.

Proofs and Offprints

The principal or corresponding author will be sent proofs for checking and will receive 30 offprints free of charge. Additional offprints may be ordered on a form which accompanies the proofs.

Format

The large format (27.9 cm x 21 cm) of this journal is in line with all EARSeL publications and enables the inclusion of color and black and white illustrations of good quality.

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INTRODUCTION

The aim of this two-day Workshop, held in Florence in April 1992, and organized by EARSeL, Fondazione Scienza per l’Ambiente (F.S.A.) and JRC-Ispra with the support of Associazione Italiana Telerilevamento (A.I.T.), was to present the state of the art in the area of remotely sensed data applied to agrometeorology, identifying the major problems and creating a platform for discussion of the more significant recent results.

The papers presented were grouped in four half day Sessions:
1. Passive and active microwave sensors
2. Visible and thermal sensors
3. Estimation of biophysical parameters

The following topics were in particular covered: innovative performance and capabilities of potential and new sensors for observation of agricultural resources from space; improvements of agrometeor techniques and models using remotely sensed information and estimated biophysical parameters.

The meeting was attended by fortyfive experts, researchers and users of this important area of remote sensing data application.

Throughout a continuous discussion on the multidisciplinary aspects of the above matter, the Workshop promoted a sound cross-fertilization between the various categories of developers of ad-hoc instrumentation, methods and techniques of analysis and the operationally oriented users of the different methodologies.

The final goal was obtained to point out an interesting variety of investigation results and operational procedures to confirm technical issues, problems and benefits of the integration of remote sensing with agrometeorology and to inform the participants on the efforts which are being produced by FAO and CEE in the field of timely forecasting and monitoring agriculture in the African and European continents.

I personally would like to thank very much Dr. J. Meyer-Roux (Workshop Co-Chairman) and Dr. P. Vossen of the JRC-Ispra, Dr. Ing. S. Galli de Paratesi of A.I.T., Prof. S. Vetrella Chairman of EARSeL and Prof. L. Pantani Director of IROE-C.N.R., the invited experts, Mrs. M. Godefroy EARSeL Secretary, Mrs. T. Mercurio F.S.A. Secretary and all participants in the Workshop.

Prof. Vito Cappellini
Workshop Co-Chairman
INSTRUCTIONS FOR PAPERS TO BE INCLUDED IN THE EARSeL INTERNATIONAL JOURNAL
"ADVANCES IN REMOTE SENSING"

Papers presented at EARSeL Workshops are printed, after reviewing, in the EARSeL International Journal “Advances in Remote Sensing”.

Conditions and instructions to be followed by authors are the following:
- papers must be submitted in their final form at the Workshop registration desk;
- the reviewers comments will be sent to the authors within two months after the meeting;
- after receiving the reviewers recommendations, authors are requested to send their final papers on diskette using MS-DOS operating system (Word processor: Wordstar; Word; Chiwrite, etc.); (Desk Top Publisher: Ventura);

Papers have to be sent to

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Tel: 39-81-7682176 Fax: 39-81-7682160

- Each paper must be accompanied by a 100 to 200 word abstract, written as a single paragraph. It should be a summary and complete in itself. The abstract should indicate the subjects dealt with in the paper and should state the objectives of the investigations.

- The text should contain:
  (a) Introduction, (b) Main text with sections and subsections numbered, (c) Conclusions, (d) Acknowledgements, (e) Appendices, (f) References, (g) Tables, (h) Illustrations.

- The title should be brief and concise. The author’s name should be typed on the line below the title, and it is preferable to use the full name. The company affiliation should follow on the next line, with the author’s official title and complete mailing address given in a footnote.

- Equations and symbols should be typewritten. Symbols that are not available on the typewriter may be hand written, but clarity is essential.

- Illustrations (diagrams, drawings and photographs) should be in black and white, or in colour if strictly necessary. Photographs should be glossy prints. Each figure must have a caption; captions should be listed on a separate sheet. Illustrations numbered in a single sequence from 1 upwards and with the author’s name on the back of each illustration. Cite each figure in numerical order in the text.

- Each table must be on a separate sheet accompanied by a caption.

- References should be cited in the text thus: (Smith, 1975); and listed in alphabetical order in the reference section.

The following arrangements should be used:
