ENVIRONMENTAL SOFTWARE SYSTEMS

Environmental Knowledge and Information Systems

SECOND EDITION

IFIP TC 5 WG 5.11

5th International Symposium on Environmental Software Systems

(ISESS 2003)

May 27 – 30, 2003, Semmering, Austria

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ENVIRONMENTAL SOFTWARE SYSTEMS, Volume 5
Environmental Knowledge and Information Systems

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This volume contains a newly compiled version of the Proceedings of the 5th International Symposium on Environmental Software Systems 2003 (ISESS 2003), published by the International Federation for Information Processing (IFIP) under ISBN 3-901882-16-2.

The original version was a printed softcover book. This SECOND EDITION contains the scanned and OCR'ed proceedings as one document and has been produced with permission of the copyright holder, IFIP and IFIP WG5.11 "Computers and Environment".

The intention behind creating this SECOND EDITION was to make those volumes of ENVIRONMENTAL SOFTWARE SYSTEMS easily available on-line which are not available through a commercial publisher.

This edition has been created based on a scan of an original book.

This edition is permanently available at

Gaiberg, December 2014   **Ralf Denzer**
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IFIP – The International Federation for Information Processing

IFIP was founded in 1960 under the auspices of UNESCO, following the First World Computer Congress held in Paris the previous year. An umbrella organization for societies working in information processing, IFIP's aim is two-fold: to support information processing within its member countries and to encourage technology transfer to developing nations. As its mission statement clearly states,

IFIP's mission is to be the leading, truly international, apolitical organization which encourages and assists the development, exploitation and application of information technology for the benefit of all people.

IFIP is a non-profitmaking organization, run almost solely by 2500 volunteers. It operates through a number of technical committees, which organize events and publications. IFIP's events range from an international congress to local seminars, but the most important are:

- The IFIP World Computer Congress, held every second year;
- open conferences;
- working conferences.

The flagship event is the IFIP World Computer Congress, at which both invited and contributed papers are presented. Contributed papers are rigorously refereed and the rejection rate is high.

As with the Congress, participation in the open conferences is open to all and papers may be invited or submitted. Again, submitted papers are stringently refereed.

The working conferences are structured differently. They are usually run by a working group and attendance is small and by invitation only. Their purpose is to create an atmosphere conducive to innovation and development. Refereeing is less rigorous and papers are subjected to extensive group discussion.

Publications arising from IFIP events vary. The papers presented at the IFIP World Computer Congress and at open conferences are published as conference proceedings, while the results of the working conferences are often published as collections of selected and edited papers.

Any national society whose primary activity is in information may apply to become a full member of IFIP, although full membership is restricted to one society per country. Full members are entitled to vote at the annual General Assembly, National societies preferring a less committed involvement may apply for associate or corresponding membership. Associate members enjoy the same benefits as full members, but without voting rights. Corresponding members are not represented in IFIP bodies. Affiliated membership is open to non-national societies, and individual and honorary membership schemes are also offered.