

World Fire Atlas CD-ROM and the Fire Ionia Tool

O. Arino & J.M. Melinotte

*ESA Remote Sensing Exploitation Dept.
ESRIN, Frascati, Italy*

The Fire Ionia Tool (FIT) can be used to interactively create active-fire and burned-surface maps for selected regions and periods: it is a real bread-board allowing the post-processing of its own end-user products.

The 'World Fire Atlas' CD-ROM contains:

- The Fire Ionia Tool (FIT): a ready-to-run version of FIT is available for MS Windows 95 and NT and for Sun Sparc Solaris (source version is given for porting to other platforms).
- A demonstration set of active fires detected with the ERS/ATSR over Indonesia (Aug-Nov. 1997).
- The active fires catalogue together with the catalogue of the input AVHRR products and their quick-looks which have been used to identify active fires. This volume contains data from Africa, South America and Australia during 1993.
- A selection of active fires quick-looks at full resolution.

Related web pages:

– Relevant information about data and algorithms as well as fire coordinate files, monthly and yearly maps can be found on our Web server:

<http://shark1.esrin.esa.it>

– A Web version of FIT is in preparation.

Please send orders by e-mail to:

fcattane@esrin.esa.it or

jean.melinotte@esrin.esa.it or

olivier.arino@esrin.esa.it

Please mention:

– Subject: Fire Ionia Tool CD-ROM

– Name

– Institution/Company

– Mail address

– Tel/Fax number

– E-mail address

– Application fields

– Reason of interest

Conferences 1998

15-17 September – Noordwijk, NL
32nd ESLAB Symposium: **Remote Sensing Technologies for Earth Observation & Planetary Exploration**

Contact : G. Schwehm

tel: +31-71-565.3539; fax: + ...4697

email: gschwehm@estec.esa.nl

or E. Attema, tel: ...4461; fax: ...5675

email: eattema@estec.esa.nl

17-20 September – Graz, Austria
7th Information Forum for Young Europeans : **From Exploration of the Solar System to Earth Observation**

Contact : EURISY Association

RÈsidence Seine Zola, 17-21 rue de

Javel, 75015 Paris, France

tel: +33-1-4575.0007; fax: ...4579.9008

email: eurisy@micronet.fr

5-7 October – ESTEC, Noordwijk, NL
Workshop on **Emerging Scatterometer Applications : from Research to Operations**

Sponsors : ESA, Eumetsat

Contact : Evangelina Oriol-Pibernat

ESA HQ, tel: +33-1-5369 7726;

fax: ...7674; email: eoriol@hq.esa.fr

or: Jochen Kerkmann, Eumetsat,

tel: +49-6151-807514; fax: ... 807555

email: kerkmann@eumetsat.de

21-23 October – ESTEC, Noordwijk, NL
2nd Intl. Workshop on **Retrieval of Bio- and Geo-physical Parameters from SAR Data for Land Applications**

Sponsor : ESA

Contact : Maurice Borgeaud, ESTEC

tel: +31-71-565.4830; fax: ... 4999

email: maurice@xe.estec.esa.nl

23-27 November – Singapore
1st Euro-Asian Space Week on Space Cooperation

Sponsors : ESA, National University of Singapore, RIET, Spotimage-Asia, Arianespace...

Contact : Ms. Valerie Hood, ESA HQ

tel: +33-1-5369 7443; fax: ... 7627

email: vhood@esa.hq.fr

or : Prof. Hock Lim, Director CRISP,

National University of Singapore

tel: +65-874-3220, fax: +65-775-7717

email: phylimh@leonis.nus.sg

In this Issue

• Wind energy determination	2
• Wind speed estimation	5
• Ocean wind field variability	8
• Wind field structure & speed	12
• Kinematic wind speed algorithm	16
• High-resolution wind fields	20
• SAR/Scatt wind fields	23
• El Niño observed by ERS	27
• Indonesian fire observed by SAR/ATSR	34
• Marseille fire in AVHRR/ATSR images	39
• Conferences	44

Earth Observation Quarterly

ISSN 0256 – 596X

This bulletin ('EOQ') is published four times a year (in March, June, September, December) by ESA Publications Division. It is distributed free of charge to all readers who wish to be informed on the evolution of various elements of ESA's Earth Observation Programme.

Advisory Committee:

E Attema, G Calabresi, R Francis, J Johannessen, J Louet, C J Readings

Contributors to this Issue (No. 59):

E Attema, JA Johannessen, YL Desnos, *ESA/ESTEC*;
B Furevik, OM Johannessen, E Korsbakken, *Nansen ERSC*;
D Vandemark, *NASA/GSFC*;
I Chunchuzov, PW Vachon, *CCRS*;
J Horstmann, W Koch, W Rosenthal, *GKSS*; S Lehner, DLR; FW Dobson, *Canad. Dept. of Fisheries & Oceans*;
B Chapron, V Kerbaol, P Queffeuolou, *Ifremer*; K Mastenbroek, *Argoss*;
E Antikidis, O Arino, A Arnaud, J Benveniste, K Cardon, P Goryl, JM Melinotte, I Piccolini, J-M Rosaz, *ESA/ESRIN*; R Scharroo, *DUT/DEOS*

Editors: Tan-Duc Guyenne &

Dorothea Danesy

Layout & Pre-press: Eva Ekstrand

For further information, request for free subscription, change of address and purchase of documents, please write to: ESA Publications Division 'Earth Observation Quarterly' ESTEC, Keplerplan 1 2200 AG Noordwijk, The Netherlands Fax: +31-71-565.5433

ESA Publications Server:

<http://esapub.esa.int/>