



Curriculum vitae

Number of pages: _____28

Name & Surname: JAUAD EL KHARRAZ

Date: August 2007

Signature:

PERSONAL DATA

SURNAME: *El Kharraz*

SEX: *M*

NAME: *Jauad*

NATINALITY: *Moroccan*

CIVIL STATE: *Single (No children)* **DATE OF BIRTH:** *23-01-1977* **PLACE OF BIRTH:** *Timinidlas (Tétouan-Morocco).*

E-MAIL: jauad@uv.es ; jauad.el-kharraz@semide.org **WEB:** <http://www.uv.es/ucg> ; <http://www.emwis.net>

PHONE: +33 492 942 293 **FAX:** +33 492 942 295

MOBILE PHONE: +33 626 68 63 42

PROFESSIONAL ADDRESS: *BP: 23; 06901 Sophia Antipolis CEDEX, France*

PARTICULAR ADDRESS: *23; Bd. Dugommier, Antibes 06600, France*

DRIVING LICENCE (Delivered in France): *Type B*

RESIDENCE: *Yearly card in France. (Permission to live and work in France)*

RESIDENCE: *Permanent card in Spain. (Permssion to live and work in Spain)*

ACADEMICAL FORMATION

DEGREE	CENTRE	DATE
<i>Bachelor in Physics (Mechanics of Fluids)</i>	<i>University Abdelmalek Saadi,</i>	
	<i>Tétouan (Morocco)</i>	<i>1998</i>
<i>Master degree (MSS / DEA): Summa Cum laude</i>	<i>University of Valencia</i>	
<i>(Remote Sensing/Earth Sciences)</i>	<i>Valencia (Spain)</i>	<i>2001</i>
<i>Ph-D degree: (Remote Sensing/Earth Sciences)</i>		
<i>Ended on 30/12/2003 & defended on April 1st, 2004</i>	<i>University of Valencia</i>	<i>2004</i>
Director of the thesis: <i>José Antonio Sobrino y Rodriguez (sobrino@uv.es)</i>		
Title of the thesis: <i>Land Surface Temperature Estimation from MODIS data.</i>		
Qualification: <i>EXCELLENT CUM LAUDE.</i>	<i>(Summa cum laude)</i>	

ACTUAL PROFESSIONAL SITUATION & EXPERIENCE YEARS

ORGANISM: *The Euro-Mediterranean Information System on the know-how in the Water sector (EMWIS), Sophia Antipolis, France..*

ACTUAL PROFESSIONAL CATEGORY AND DATE OF BEGINNING:

- *Information responsible of EMWIS since January 2004. (3 years) (CDI : Unlimited Work Contract, full time: 35 hours / week)*
- *Responsibility: organizing, managing and coordinating data collection and sharing within EMWIS framework, responsibility on: The content of the EMWIS web site; The everyday management of the web site (Webmaster responsibilities) in close collaboration with the technical coordinator; Undertaking the tasks of International Focal Point ; Coordinating the information provision by the NFP; Checking the reliance and*

integrity of information provided as well as the respect of ethical rules (monitoring and warning when available information is not up to the purpose that led to the creation of EMWIS), Representing EMWIS in international conferences and meetings, and Identifying Information and finding sources in the Euro Mediterranean area.

OTHER ACTUAL PROFESSIONAL ACTIVITIES

- *Consultant with SUD CONVERGENCES (www.sud-convergences.com): CDI (Unlimited Work Contract, partial time)*
- *Charged by SUD CONVERGENCES during June 2006 with the translation of the whole documents of the feasibility study for a construction of a National Training Centre in water issues presented by the OIEAU (International Office of Water, France) to the Ministry of Water and Electricity in Arabia Saoudi.*

PREVIOUS PROFESSIONAL CATEGORY AND DATE OF BEGINNING:

- *Researcher among the Global Change Unit (research group of the University of Valencia, Spain) since October 1998 (5 years of experience). I still collaborate with it as a research member.*

LANGUAGES (L=little, R= regular, B= good, C= correctly)

LANGUAGE	SPEAKING	READING	WRITING
<i>Spanish</i>	<i>C</i>	<i>C</i>	<i>C</i>
<i>English</i>	<i>C</i>	<i>C</i>	<i>C</i>
<i>French</i>	<i>C</i>	<i>C</i>	<i>C</i>
<i>Arabic (mother tongue)</i>	<i>C</i>	<i>C</i>	<i>C</i>
<i>Catalan</i>	<i>L</i>	<i>B</i>	<i>L</i>
<i>Italian</i>	<i>L</i>	<i>B</i>	<i>L</i>
<i>German</i>	<i>L</i>	<i>L</i>	<i>L</i>

EDUCATIONAL ACTIVITY CARRIED OUT

- *Physics practices given to the students of the First course of Pharmacy career (2001-2002).*
 - *Remote Sensing Practices given to Ph-D students of the Departament of Thermodynamics (2002-2003).*
 - *Summer courses given to the students of the summer school of Teruel in the University of Zaragoza: Practice courses of "Introduction to Remote Sensing, MODTRAN, SMAC", 2000 (3 modules).*
 - *Summer courses given to the students of the summer school of Teruel in the University of Zaragoza: Practice courses of "Introduction to Remote Sensing, MODTRAN, SMAC", 2002 (3 modules).*
-

PARTICIPATION IN FUNDED RESEARCH PROJECTS

TITLE OF THE PROJECT: *Análisis Multitemporal de Imágenes de Satélite para el estudio de la dinámica de la cobertura terrestre en Marruecos.*

FUNDING ENTITY: *Agencia Española de Cooperación Internacional (AECI) (No. AECI 98-1590)*

DURATION SINCE: 1998 TO: 1999

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez.*

TITLE OF THE PROJECT: ***Digital Airborne Imaging Spectrometer Experiment, DAISEX'99***

FUNDING ENTITY: *European Space Agency ESA-ESTEC (13390/NL/GD).*

DURATION SINCE: 1999 TO: 2000

PRINCIPAL INVESTIGASTOR: *José Moreno Méndez*

TITLE OF THE PROJECT: ***Multichannel and Multiangle algorithms for deriving sea and land surface temperatures with ENVISAT-AATSR data.***

FUNDING ENTITY: *European Space Agency (Project: AO-ID 384)*

DURATION SINCE: 1999 TO: 2002

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez.*

TITLE OF THE PROJECT: ***Water use efficiency in natural vegetation and agricultural areas by Remote Sensing in the MEDiterranean basin (WATERMED).***

FUNDING ENTITY: *European Union (ICA3-ct-1999-00015) (INCO-MED).*

DURATION SINCE: 2000 TO: 2003

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez.*

TITLE OF THE PROJECT: ***Cálculo mediante teledetección de la evapotranspiración en zonas áridas y semiáridas.***

FUNDING ENTITY: *Ministerio de Asuntos Exteriores (Agencia Española de Cooperación Internacional-programa de Cooperación Interuniversitaria **Hispano-Marroquí**, Ref. 21P/00)*

DURATION SINCE: 2000 TO: 2002

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez.*

TITLE OF THE PROJECT: ***Radiometría de Campo en la región espectral del infrarrojo térmico***

FUNDING ENTITY: *Ministerio de Ciencia y Tecnología (Ref: REN2000-0315-CE)*

DURATION SINCE: 2000 TO: 2003

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez.*

TITLE OF THE PROJECT: ***Scientific Analysis of the ESA airborne multi-annual imaging spectrometer campaign DAISEX***

FUNDING ENTITY: *ESA*

DURATION SINCE: 2000 TO: 2003

PRINCIPAL INVESTIGASTOR: *Jose F. Moreno*

TITLE OF THE PROJECT: ***SOLAR INDUCED FLUORESCENCE EXPERIMENT-SIFLEX***

FUNDING ENTITY: *ESA (ESTEC Contract No. 16030/02/NL/SF).*

DURATION SINCE: 2002 TO: 2003

PRINCIPAL INVESTIGASTOR: *Jose F. Moreno*

TITLE OF THE PROJECT: ***Metodologías para el estudio del cambio global en la Península Ibérica a partir de los datos proporcionados por el satélite NOAA y por los sensores remotos de nueva generación.***

FUNDING ENTITY: *Ministerio de Ciencia y Tecnología (REN2001-3105/CLI)*

DURATION SINCE: 2002 TO: 2005

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez.*

TITLE OF THE PROJECT: ***Surface Processes and Ecosystems Changes through Response Analysis-SPECTRA.***

FUNDING ENTITY: *ESA*

DURATION SINCE: 2002 TO: 2003

PRINCIPAL INVESTIGASTOR: *Massimo MENENTI*

TITLE OF THE PROJECT: ***First International Symposium on Recent Advances in Quantitative Remote Sensing.***

FUNDING ENTITY: *Ministerio de Ciencia y Tecnología (REN2001-4440-E/CLI)*

DURATION SINCE: 2002 TO: 2002

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez*

TITLE OF THE PROJECT: ***First International Symposium on Recent Advances in Quantitative Remote Sensing.***

FUNDING ENTITY: *Universitat de Valencia (20010523)*

DURATION SINCE: 2002 TO: 2002

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez*

TITLE OF THE PROJECT: ***First International Symposium on Recent Advances in Quantitative Remote Sensing.***

FUNDING ENTITY: *Consellería de Innovación y competitividad de la Generalitat Valenciana (CTCOOR/2002/27)*

DURATION SINCE: 2002 TO: 2002

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez*

TITLE OF THE PROJECT: ***First International Symposium on Recent Advances in Quantitative Remote Sensing***

FUNDING ENTITY: *Consellería de Medio Ambiente de la Generalitat Valenciana.*

DURATION SINCE: 2002 TO: 2002

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez*

TITLE OF THE PROJECT: **AYUDAS A ACTIVIDADES DE I+D COOPERATIVAS**

FUNDING ENTITY: *Oficina de Ciencia y tecnología de la Generalitat Valenciana (CTGCA/2002/03/10)*

DURATION SINCE: 2002 TO: 2002

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez*

TITLE OF THE PROJECT: **EAGLE**

FUNDING ENTITY: *European Union*

DURATION SINCE: 2004 TO: 2007

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez*

TITLE OF THE PROJECT: **Impacto del cambio climatico en la sostenibilidad de la produccion ganadera de la region Mediterranea arida y semiarida en Chile.**

FUNDING ENTITY: *Secretaria de Estado para la cooperacion internacional y para Iberoamerica (Ministerio de Asuntos Exteriores).*

DURATION SINCE: 2004

TO: 2005

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez*

TITLE OF THE PROJECT: ***Second International Symposium on Recent Advances in Quantitative Remote Sensing.***

FUNDING ENTITY: *Universitat de Valencia*

DURATION SINCE: 2006

TO: 2006

PRINCIPAL INVESTIGASTOR: *José Antonio Sobrino Rodríguez*

PUBLICATIONS (without proceedings & congresses)

KEY: L= complet book, CL= book chapter, A= article, R= review, E= editor.

AUTHORS (By order of signature): *J. A. Sobrino, J. El-Kharraz, Z.-L. Li, Z. Wan*

TITLE: *Surface Temperature Retrieval from MODIS data.*

REF. REVIEW/BOOK: Sensors, Systems, and Next-Generation Satellites IV, Hiroyuki Fujisada, Joan B. Lurie, Alexander Ropertz, Konradin Weber, Editors, SPIE Vol. 4169, pp. 249-260. (ISBN: 0-8194-3825-1)

KEY: CL

AUTHORS (By alphabetic order): Alonso-Chorda, L , F. Camacho-de Coca, V. Caselles, C. Coll, J. Cuenca, C. Cuñat, L. Dempere, H. El Kharraz, **J. El Kharraz**, G. Fernández, J.C. García, M.A. Gilabert, M. C. González, J. González, E. Hurtado, J.M. Martí, B. Martínez, J. Meliá, J.F. Moreno, A. Palacios, N. Raïoussuni, E. Rubio, G. Sheer, J.A. Sobrino, F. Sospedra, S.L. Ustin, E. Valor, M.T. Younis, R.J. Zomer.

Proceedings of the Final Results Workshop on DAISEX (Digital Airborne Imaging Spectrometer EXperiment), ESA SP-499, July 2001, pg. 71-78. ESA Publications Division, ESTEC, Noordwijk, The Netherlands, Ed. M. Wooding / R.A. Harris, 288 pages. (ISBN: 92-9092-809-3)

TITLE: Surface radiometric measurements at Barrax.

REF. REVIEW/BOOK: Proceedings of the Final Results Workshop on DAISEX (Digital Airborne Imaging Spectrometer EXperiment), ESA SP-499, July 2001, pg. 71-78. ESA Publications Division, ESTEC, Noordwijk, The Netherlands, Ed. M. Wooding / R.A. Harris, 288 pages. (ISBN: 92-9092-809-3)

KEY: CL

AUTHORS (By order of signature): *J. A. Sobrino, J. Cuenca, J. El Kharraz, M. Gómez, J. C. Jimenez, N. Raïoussuni & G. Soria*

TITLE: Multi-temporal Analysis using NOAA-Pathfinder AVHRR Land Imagery for the Study of the Land Cover Dynamic in the Mediterranean Basin

REF. REVIEW/BOOK: *Series in Remote Sensing Vol. 2, 395-402. Editors Lorenzo Bruzzone & Paul Smits, 2002 World Scientific Publishing Co. New Jersey, London (ISBN:981-02-4955-1).*

KEY: CL

AUTHORS (By order of signature): *J. A. Sobrino, J. El Kharraz, et al.*

TITLE: Recent Advances in Quantitative Remote Sensing.

REF. REVIEW/BOOK: Servicio de Publicaciones, Universidad de Valencia, 2002.Ed. José A. Sobrino. (ISBN: 84-370-5515-6).
KEY: CL, E

AUTHORS (By order of signature): J. A. Sobrino, N. Raissouni, **J. El Kharraz**, J. C. Jiménez, G. Sòria.

TITLE: Un método para el seguimiento de la cobertura terrestre en la cuenca Mediterránea.

REF. REVIEW/BOOK: *Revista Española de Teledetección*. 2001. 16: 25-28. KEY: A

AUTHORS (By order of signature): **J. El Kharraz** & J. A. Sobrino.

TITLE: Estimación de la temperatura de la superficie terrestre y del contenido total en vapor de agua atmosférico a partir de datos MODIS.

REF. REVIEW/BOOK: *Revista Española de Teledetección*. Nº 7/ 2003. KEY: A

AUTHORS (By order of signature): J. A. Sobrino, **J. El Kharraz**, J. C. Jimenez-Muñoz, G. Sòria, M. Gómez, M. Romaguera,

TITLE: On the monitoring of land cover dynamic using NOAA pathfinder time series (1981-2001) over the mediterranean basin

REF. REVIEW/BOOK: *Recent Research Developments in Geophysics, Research Signpost*, 37/661 (2), Vol 4, pp: 225-234. 2002. KEY: A

AUTHORS (By order of signature): **J. El Kharraz** & J. A. Sobrino.

TITLE: Operational algorithms to retrieve surface temperature and atmospheric water vapour content from MODIS data.

REF. REVIEW/BOOK: *Recent Research Developments in Geophysics, Research Signpost*, 2003. KEY: A

AUTHORS (By order of signature): M. Nemiche, Antonio C. Moncho, Jose I. Lucas, Luis A. Quintero & **J. El Kharraz**.

TITLE: A Systemic Model to simulate the training and employment in "La Coma"

REF. REVIEW/BOOK: *Revista Internacional de SisSUBJECTs*, 2002 KEY: A

AUTHORS (By order of signature): J. A. Sobrino, **J. El Kharraz**, Zhang-Liang Li

TITLE: Surface temperature and water vapour retrieval from MODIS data.

REF. REVIEW/BOOK: *International Journal of Remote Sensing*, Vol. 24, No. 24, pp. 5161-5182, 2003. KEY: A

AUTHORS (By order of signature): J. A. Sobrino, J. C. Jimenez-Muñoz, **J. El Kharraz**, M. Gómez, M. Romaguera, y G. Sòria.

TITLE: Single-channel and two-channel methods for land surface temperature retrieval from DAIS data and its application to the Barrax site.

REF. REVIEW/BOOK: *International Journal of Remote Sensing*, Vol. 25, No. 1, pp.215-230, 2004. KEY: A

AUTHORS: **J. El Kharraz**, J. A. Sobrino, L. Morales, J. C. Jiménez-Muñoz, G. Sòria, M. Gómez, M. Romaguera.

TITLE: Land cover dynamic analysis over the Mediterranean Basin by means of remotely sensed and climatic data.

PARTICIPATION TYPE: Proceedings of SPIE'03.

REF. REVIEW/BOOK: Remote Sensing for Agriculture, Ecosystems, and Hydrology V, Manfred Owe, Guido D'Urso, Jose F. Moreno, Alfonso Calera, Editors, SPIE Vol.

KEY: CL

AUTHORS: G. Sòria, J. A. Sobrino, J. C. Jiménez-Muñoz, **J.El-Kharraz**, M. Gómez, M. Romaguera & J. Cuenca.

TITLE: Characterization of thermal parameters in support of SIFLEX campaign.

PARTICIPATION TYPE: Proceedings de SPIE'03.

REF. REVIEW/BOOK: Remote Sensing for Agriculture, Ecosystems, and Hydrology V, Manfred Owe, Guido D'Urso, Jose F. Moreno, Alfonso Calera, Editors, SPIE Vol.

KEY: CL

AUTHORS: **J. El Kharraz** & Eric Mino.

TITLE: EMWIS/SEMIDE: The Euro-Mediterranean information system on know how in the water sector

REF. REVIEW/BOOK: *Sustainable Water Management Journal*, No. 2, pp.38-42, 2006.

KEY: A

AUTHORS: **J. El Kharraz**, J. A. Sobrino, L. Morales.

TITLE: Land cover dynamic and climatic analysis over the Mediterranean Basin using PATHFINDER and REANALYSIS data.

REF. REVIEW/BOOK: To be sent soon to the International Journal of Meteorology.

KEY: A

AUTHORS: *Vicent Sanchis i Sanpedro* & **Jauad El Kharraz**.

TITLE: *Internet Básico, Curso CiberAula*.

REF. REVIEW/BOOK: *Colegio Mayor La Coma (Universidad de Valencia)*, 209 pp, 2001.

KEY: L

PROCEEDINGS IN CONGRESSES

AUTHORS: M. H. El Kharraz, J. A. Sobrino & **J. El Kharraz**

TITLE: Un algoritmo operativo para la estimación de la inercia térmica a partir de las imágenes NOAA-AVHRR.

PARTICIPATION TYPE: Oral Communication

SYMPOSIUM: XXVII Reunión Bienal de la Real Sociedad Española de Física.

PUBLICATION: Libro de Resúmenes de las Comunicaciones, Tomo II, pp. 546-547.

PLACE OF CELEBRATION: Valencia, 20-24 Septiembre

YEAR:1999

AUTHORS: J.A.Sobrino, **J. El-Kharraz**, Z.-L.-Li, Z. Wan

TITLE: Surface temperature retrieval from MODIS data

PARTICIPATION TYPE: Oral Communication (en inglés: Jauad).

CONGRESS: XXV The European Symposium on Remote Sensing

PUBLICATION: SPIE-EUROPTO series

CELEBRATION PLACE: Barcelona, 25-29 Septiembre

YEAR:2000.

AUTHORS: Alonso-Chorda, L , F. Camacho-de Coca, V. Caselles, C. Coll, J. Cuenca, C. Cuñat, L. Dempere, H. El Kharraz, **J. El Kharraz**, G. Fernández, J.C. García, M.A. Gilabert, M. C. González, J. González, E. Hurtado, J.M. Martí, B. Martínez, J. Meliá, J.F. Moreno, A. Palacios, N. Raiossuni, E. Rubio, G. Sheer, J.A. Sobrino, F. Sospedra, S.L. Ustin, E. Valor, M.T. Younis, R.J. Zomer.

TITLE: Surface Radiometric measurements at Barrax

PARTICIPATION TYPE: Oral Communication

CONGRESS: DAISEX Final Results Workshop

PUBLICATION: ESA

CELEBRATION PLACE: 15-16 Marzo 2001 – ESTEC- Noordwijk, Holanda. **YEAR:**2001.

AUTHORS: J. A. Sobrino, N. Raissouni, **J. El Kharraz**, J. C. Jimenez. G. Soria.

TITLE: Un método para el seguimiento de la cobertura teretre en la Cuenca Mediterranea

PARTICIPATION TYPE: Comunicació

CONGRESS: IX CONGRESS Nacional de Teledetección

PUBLICATION:

CELEBRATION PLACE: Universidad de Lleida, 19-21 septiembre de 2001 **YEAR:**2001.

AUTHORS: J. C. Jimenez-Muñoz, M. Gómez, J. A. Sobrino, G. Soria, **J. El Kharraz**, J. Labed Nachbrand

TITLE: Retrieval of biophysical parameters from DAIS data

PARTICIPATION TYPE: Poster

CONGRESS: First International Symposium on Recent Advances and quantitative Remote Sensing.

PUBLICATION: Recent Advances and quantitative Remote Sensing, Ed. J. A. Sobrino, Servei de Publicacions, Universitat de Valencia, pp.566-572. (ISBN: 84-370-5515-6).

CELEBRATION PLACE: 16-20 Septiembre 2002, Torrent-Valencia, Spain. **YEAR:**2002.

AUTHORS: J. A. Sobrino, **J. El Kharraz**, M. Romaguera, M. Gómez, J. C. Jimenez-Muñoz, G. Soria.

TITLE: Land cover change monitoring in the Mediterranean Basin using NOAA-Pathfinder time series (1981-2001): WATERMED project.

PARTICIPATION TYPE: Poster

CONGRESS: First International Symposium on Recent Advances and quantitative Remote Sensing.

PUBLICATION: Recent Advances and quantitative Remote Sensing, Ed. J. A. Sobrino, Servei de Publicacions, Universitat de Valencia, pp.935-940. (ISBN: 84-370-5515-6).

CELEBRATION PLACE: 16-20 Septiembre 2002, Torrent-Valencia, Spain. **YEAR:**2002.

AUTHORS: **J. El Kharraz**, J. A. Sobrino, M. Gómez, J. C. Jimenez-Muñoz, G. Soria.

TITLE: Water vapour retrieval from MODIS data.

PARTICIPATION TYPE: Poster

CONGRESS: First International Symposium on Recent Advances and quantitative Remote Sensing.

PUBLICATION: Recent Advances and quantitative Remote Sensing, Ed. J. A. Sobrino, Servei de Publicacions, Universitat de Valencia, pp.941-945. (ISBN: 84-370-5515-6).

CELEBRATION PLACE: 16-20 Septiembre 2002, Torrent-Valencia, Spain. **YEAR:**2002.

AUTHORS: G. Soria, J. A. Sobrino, J. Cuenca, A. J. Prata, J. C. Jimenez-Muñoz, M. Gómez, **J. El Kharraz**
TITLE: Surface temperature retrieval from ATSR data: multichannel and multiangle algorithms.
PARTICIPATION TYPE: Poster
CONGRESS: First International Symposium on Recent Advances and quantitative Remote Sensing.
PUBLICATION: Recent Advances and quantitative Remote Sensing, Ed. J. A. Sobrino, Servei de Publicacions, Universitat de Valencia, pp.952-955. (ISBN: 84-370-5515-6).
CELEBRATION PLACE: 16-20 Septiembre 2002, Torrent-Valencia, Spain. YEAR:2002.

AUTHORS: Alonso, L., Camacho-de-Coca, F., Caselles, V., Coll, C., Cuenca, J., Cuñat, C., Dempere, L., El-Kharraz, H., **El-Kharraz, J.**, Fernández, G., García, J.C., y otros.
TITLE: Surface Radiometric Measurements at Barrax.
PARTICIPATION TYPE: Oral Communication
SYMPOSIUM: DAISEX Final Results Workshop.
PUBLICATION: ESA SP-499, pp. 71-77.
CELEBRATION PLACE: ESA-ESTEC, Noordwijk, Netherlands. YEAR: 2001.

AUTHORS: Sobrino, J.A., G. Sòria, J. C. Jiménez-Muñoz, **J. El Kharraz**, M. Gómez.
TITLE: Thermal measurements in support of SIFLEX
PARTICIPATION TYPE: Oral Communication
SYMPOSIUM: 1st Workshop on Remote Sensing of Solar Induced vegetation Fluorescence.
PUBLICATION: ESA SP-527.
CELEBRATION PLACE: 19 &20 June, ESA-ESTEC, Noordwijk, Netherlands. YEAR:2002.

AUTHORS: Sobrino, J.A., G. Sòria, J. C. Jiménez-Muñoz, **J. El Kharraz**, M. Gómez.
TITLE: Thermal measurements in support of SIFLEX
PARTICIPATION TYPE: Oral Communication
CONGRESS: 1st Workshop on Remote Sensing of Solar Induced vegetation Fluorescence.
PUBLICATION: Acta de Resúmenes.
CELEBRATION PLACE: 19 &20 June, ESA-ESTEC, Noordwijk, Netherlands. YEAR:2002.

AUTHORS: M. Davidson, I. Moya, A. Ounis, J. Louis, J. M. Ducret, J. Moreno, V. Caselles, J. A. Sobrino, L. Alonso, R. Pedrós, J. C. Jiménez, J.L. Gómez- Amo, G. Soria, R. Niclós, **J. El-Kharraz**, J.A. Martínez.
TITLE: The Solar Induced Fluorescence Experiment (SIFLEX 2002): Campaign Overview.
PARTICIPATION TYPE: Proceedings de FLEX Workshop.
CONGRESS: FLEX Workshop.
PUBLICATION: Libro de Proceedings de FLEX Workshop, Vol.1
CELEBRATION PLACE: ESA-ESTEC, Noordwijk, Netherlands. YEAR:2002.

AUTHORS: **J. El Kharraz**.
TITLE: Atmospheric Water Vapor Retrieval from MODIS Data.
PARTICIPATION TYPE: Proceedings de ICAS.

CONGRESO: 23rd ICAS Congress (Session 8.9).

PUBLICATION: Libro de Proceedings de ICAS.

CELEBRATION PLACE: 08-13 Septiembre, Toronto, Canada.

YEAR:2002.

AUTHORS: J. A. Sobrino, M. Gómez, J. C. Jimenez, G. Sòria, **J. El Kharraz**, M. Romaguera.

TITLE: Estimation of the evapotranspiration from DAIS data

PARTICIPATION TYPE: Poster

CONGRESS: EGS-AGU-EUG

CELEBRATION PLACE: Nice, France, 06-11 April

YEAR:2003.

AUTHORS: J. A. Sobrino, J. C. Jimenez, **J. El Kharraz**, M. Gómez, M. Romaguera, and G. Sòria,

TITLE: Analyzing angular and up-scaling effects in the thermal infared region from DAIS data

PARTICIPATION TYPE: Poster

CONGRESS: EGS-AGU-EUG

CELEBRATION PLACE: Nice, France, 06-11 April

YEAR:2003.

AUTHORS: **J. El-Kharraz**, J. A. Sobrino, L. J. Morales, J. C. Jiménez-Muñoz, G. Sòria, M. Gómez & M. Romaguera.

TITLE: Land Surface Temperature and NDVI Time Series Derived from NOAA-Pathfinder Images and Reanalysis Data over the Mediterranean Basin.

PARTICIPATION TYPE: Proceedings de IGARSS'03.

CONGRESS: IGARSS'2003.

PUBLICATION: Libro de Proceedings de IGARSS'03.

CELEBRATION PLACE: 21-25 Julio 2003, Toulouse, France.

YEAR:2003.

AUTHORS: M. Davidson, M. Berger, I. Moya, A. Ounis, J. Louis, J.-M. Ducret, J. Moreno, V. Casselles, J. Sobrino, L. Alonso, R. Pedros, J.C. Jimenez, J.-L. Gomez, G. Soria, R. Niclos, **J. El-Kharraz**, J.A. Martinez-Lozano, M.P. Utrillas, J. Miller, T. Laurila, T. Thum.

TITLE: SIFLEX-2002: assessing the potential of solar induced fluorescence for monitoring vegetation photosynthetic activity from space.

PARTICIPATION TYPE: Proceedings de IGARSS'03.

CONGRESS: IGARSS'2003.

PUBLICATION: Libro de Proceedings de IGARSS'03.

CELEBRATION PLACE: 21-25 Julio 2003, Toulouse, France.

YEAR:2003.

AUTHORS: J. C. Jiménez-Muñoz, J. A. Sobrino, **J. El Kharraz**, M. Gómez, M. Romaguera y G. Sòria.

TITLE: Synergistic Use of DAIS Bands to Retrieve Land Surface Emissivity and Temperature.

PARTICIPATION TYPE: Proceedings de IGARSS'03.

CONGRESS: IGARSS'2003.

PUBLICATION: Libro de Proceedings de IGARSS'03.

CELEBRATION PLACE: 21-25 Julio 2003, Toulouse, France.

YEAR:2003.

AUTHORS: **J. El Kharraz**, J. A. Sobrino, L. Morales, J. C. Jiménez-Muñoz, G. Sòria, M. Gómez, M. Romaguera.
TITLE: Land cover dynamic analysis over the Mediterranean Basin by means of remotely sensed and climatic data.
PARTICIPATION TYPE: Proceedings de SPIE'03.
CONGRESS: SPIE'2003.
PUBLICATION: Libro de Proceedings de SPIE'03.
CELEBRATION PLACE: 08-12 Septiembre 2003, Barcelona, Spain. YEAR:2003.

AUTHORS: **J. El Kharraz**, V. Estellés, J. A. Sobrino, J. M. Lozano y P. Utrillas.
TITLE: Estimación del contenido total en vapor de agua de la atmósfera mediante datos del sensor MODIS y comparación con otras técnicas.
PARTICIPATION TYPE: Proceedings del X CONGRESS nacional de Teledetección.
CONGRESS: X CONGRESS nacional de Teledetección.
PUBLICATION: Libro de Proceedings del X CONGRESS nacional de Teledetección.
CELEBRATION PLACE: 17-19 Septiembre 2003, Caceres, Spain. YEAR:2003.

AUTHORS: J. A. Sobrino, G. Sòria, J. Cuenca, J. C. Jiménez-Muñoz, M. Gómez, **J.El-Kharraz** & A. J. Prata.
TITLE: Angular effect on Surface Temperature estimation from AATSR data.
PARTICIPATION TYPE: Proceedings de IGARSS'03.
CONGRESS: IGARSS'2003.
PUBLICATION: Libro de Proceedings de IGARSS'03.
CELEBRATION PLACE: 21-25 Julio 2003, Toulouse, France. YEAR:2003.

AUTHORS: G. Sòria, J. A. Sobrino, J. C. Jiménez-Muñoz, **J.El-Kharraz**, M. Gómez, M. Romaguera & J. Cuenca.
TITLE: Characterization of thermal parameters in support of SIFLEX campaign.
PARTICIPATION TYPE: Proceedings de SPIE'03.
CONGRESS: SPIE'2003.
PUBLICATION: Libro de Proceedings de SPIE'03.
CELEBRATION PLACE: 08-12 Septiembre 2003, Barcelona, Spain. YEAR:2003.

AUTHORS: Luis Morales S., Giorgio Castellano, J. A. Sobrino, **J.El Kharraz**
TITLE: Land cover dynamic monitoring in the region of Coquimbo (Chile) by the analysis of Multitemporal NOAA-AVHRR NDVI images.
PUBLICATION: Proceedings book: <http://www.isprs.org/istanbul2004/comm7/papers/111.pdf>
CELEBRATION PLACE & DATE: 12-23 July 2003, Istanbul, Turkey. YEAR: 2004.

AUTHORS: **J. El Kharraz**, J. A. Sobrino, L. Morales, J. C. Jimenez-Munoz, G. Soria, M. Gomez, M. Romaguera, M. Zaragoza.
TITLE: Land cover dynamic in the Mediterranean basin using reanalysis and pal data.
Reference: European Geosciences Union (EGU), Geophysical Research Abstracts, vol. 6, 04021
Edition: 102052 – EUROPEAN GEOSCIENCES UNION - N
CELEBRATION PLACE & DATE: Nice (France), 25-30 April 2004. YEAR: 2004.

AUTHORS: Luis Morales S., J. A. Sobrino, Giorgio Castellano. J, **J.El Kharraz**.
TITLE: Multitemporal analysis of NOAA-AVHRR images for the study of the vegetation cover dynamic in the region of Limari, Chile.
Reference: Geophysical Research Abstracts, Vol. 6, 07858, 2004.
Edition: 102052 – EUROPEAN GEOSCIENCES UNION - N
CELEBRATION PLACE & DATE: Nice (France), 25-30 April 2004. YEAR: 2004.

AUTHORS: J. A. Sobrino, Luis Morales S., Giorgio Castellano. J, Juan C. Parra, **J.El Kharraz**.
TITLE: Proyecto de Cooperacion bilateral Espana-Chile: Impacto del cambio climatico en la sostenibilidad de la produccion ganadera de la region arida y semiarida de chile.
Reference: CD-ROM XI symposium SELPER-Chile.
Edition: 102052 – EUROPEAN GEOSCIENCES UNION - N
YEAR: 2004.

AUTHORS: Luis Morales S., J. A. Sobrino, Giorgio Castellano. J, **J.El Kharraz**, Juan C. Parra.
TITLE: Estimacion del fitovolumen lenoso en la zona semiarida de Chile mediante imágenes SPOT y mediciones de terreno.
Reference: CD-ROM XI symposium SELPER-Chile.
Edition: 102054 – SELPER - N
YEAR: 2004.

AUTHORS: Luis Morales S., J. A. Sobrino, Giorgio Castellano. J, **J.El Kharraz**, Juan C. Parra.
TITLE: Metodo de estimacion de la temperatura de la superficie terrestre en America del Sur para imágenes NOAA-AVHRR a partir de datos del REANALYSIS NCEP/NCAR.
Reference: CD-ROM XI symposium SELPER-Chile.
Edition: 102054 – SELPER - N
YEAR: 2004.

AUTHORS: *N. Raissouni, J. A. Sobrino, A. Lyhyaoui, P. Rosso, N. Ben Achhab, A. Azyat, A.Chahboun, M. Lahraoua and J. El Kharraz*
TITLE: *Potential of the Pathfinder AVHRR data for land cover change analysis: Mediterranean Basin study case*
CONGRESS/MEETING: ICTIS'05: Information and Communication Technologies International Symposium, 03-06 June 2005, Tetuan (Morocco).
Reference: Proceeding book published by IEEE & AEECE, <http://telecom.uae.ma/ictis/ICTIS05Book.pdf> pp. 463-470
YEAR: 2005.

AUTHORS: *N. Raissouni, J. A. Sobrino, J. El Kharraz, A. Azyat, N. Ben Achhab, A. Chahboun and M.Lahraoua*
TITLE: Application of the Split-Window algorithm for the estimation of Asia LST using PAL data project
CONGRESS/MEETING: ICTIS'05: Information and Communication Technologies International Symposium, 03-06 June 2005, Tetuan (Morocco).
Reference: Proceeding book published by IEEE & AEECE, <http://telecom.uae.ma/ictis/ICTIS05Book.pdf> pp. 517-522
YEAR: 2005.

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication.

TITLE: EMWIS; A TOOL FOR EXCHANGING WATER KNOW-HOW IN & BETWEEN EURO-MED COUNTRIES.

CONGRESS/MEETING: First EMPOWERS Partnership's Regional Symposium on End-User Ownership and Involvement in Integrated Water Resources Management": "Water is Everybody's Business".

<http://www.emwis.org/documents/html/cairo'05.htm>

PUBLICATION: First EMPOWERS Partnership's Regional Symposium Proceedings book and newsletter;

<http://www.empowers.info/page/1787>

CELEBRATION PLACE: 13-17 November 2005, Cairo, Egypt.

YEAR: 2005

AUTHORS: J. A. Sobrino, M. M. Zaragoza-Ivorra, Y. Julien, J. C. Jiménez-Muñoz, M. Gómez, M., Romaguera, J.

Cuenca, **J. El Kharraz**, M. Atitar, G. Sòria, B. Su, A. Gieske, L., Jia, Z. L. Li, F. Nerry, W. Verhoef

TITLE: Exploitation of angular effects in land surface observations from satellites- EAGLE

CONGRESS: 2nd International Symposium on Recent Advances and quantitative Remote Sensing.

PUBLICATION: Recent Advances and quantitative Remote Sensing, Ed. J. A. Sobrino, Servei de Publicacions, Universitat de Valencia, to be edited after the symposium (25-29 September, 2006).

CELEBRATION PLACE: 25-29 September 2006, Torrent-Valencia, Spain.

YEAR: 2006.

OTHER PUBLICATIONS

TITLE: *EMWIS* electronic monthly newsletter in **English, French and Arabic**: <http://www.emwis.org/Flash/flash.htm> .

ROLE: *EDITOR*

CONTENT: *The EMWIS Flash gives regular and quality information on the water sector in the Euro-Mediterranean area. The main headlines are: Institutions, Documentation, Training, Research and Development, Data Administration. It includes also international events, relevant web sites, the Euro-Med Water programme of the European Commission, and much more.*

YEAR: 2004-2006

TITLE: *EMWIS* newsletter in English and French: http://www.emwis.org/documents/pdf/20051124_EMWIS-Newsletter'05.pdf .

ROLE: *CONTRIBUTOR*

CONTENT: *EMWIS MOST IMPORTANT ARTICLES*

YEAR: 2006

TITLE: *EMWIS* press releases in English, French & Arabic. (See press releases at *EMWIS* website: www.emwis.org)

ROLE: *EDITOR*

CONTENT: *EMWIS MOST IMPORTANT EVENTS*

YEAR: 2004-2006

TITLE: Press articles in the Moroccan newspaper: *AL ALAM* (in Arabic) (www.alalam.ma ; Contact in *AL ALAM*: nadiabensellam@yahoo.fr), e.g: http://www.alalam.ma/article.php3?id_article=11282 ;

ROLE: WRITER

CONTENT: *POLICY & SOCIETY*

YEAR: 2004-2005

OTHER RESEARCH WORKS

AUTHORS: J.A. Sobrino, N. Raissouni, M.H. El Kharraz, J. Cuenca & **J. El Kharraz**.

TITLE: Análisis Multitemporal de Imágenes de Satélite para el Estudio de la Dinámica de la Cobertura Terrestre en Marruecos.

PUBLICATION TYPE: Informe final del Proyecto del mismo nombre financiado por la AECL.

REF. PUBLICATION: Unidad de Cambio Global, Universitat de Valencia, pp. 180, 1999.

AUTHORS: J. Moreno, J.A. Sobrino, **J. El Kharraz** et al.

TITLE: Technical assistance for the deployment of ground-based instruments in DAISEX 1999. Field experiment report.

PUBLICATION TYPE: Report de la experiencia de campo.

REF. PUBLICATION: European Space Agency (ESTEC Contract nº 13053/NL/CD). 1998.

AUTHORS: J. Moreno, J.A. Sobrino, **J. El Kharraz** et al.

TITLE: Technical assistance for the deployment of ground-based instruments in DAISEX 1999. Field experiment report.

PUBLICATION TYPE: Report de la experiencia de campo.

REF. PUBLICATION: European Space Agency (ESTEC Contract nº 13390/NL/CD).1999

AUTHORS: J. Moreno, J.A. Sobrino, **J. El Kharraz** et al.

TITLE: TECHNICAL ASSISTANCE FOR SPECTROSCOPIC MEASUREMENTS DURING SIFLEX - 2002 CAMPAIGN. SOLAR INDUCED FLUORESCENCE EXPERIMENT

PUBLICATION TYPE: Report de la experiencia de campo.

REF. PUBLICATION: European Space Agency (**ESTEC Contract No. 16030/02/NL/SF**).2002

TOWN: *Strasbourg*

COUNTRY: *France*

YEAR: *1999*

DURATION: *1 month*

SUBJECT: *Field experiments*

KEY: *I*

AUTHORS: J.A. Sobrino, N. Raissouni, **J. El Kharraz**, J. Cuenca, M.H. El Kharraz & M. Younis.

TITLE: First Annual report (WATERMED project, ICA-ct-1999-00015).

PUBLICATION TYPE: Informe del primer año del Proyecto del mismo nombre financiado por la Unión Europea.

PUBLICATION. REF.: Unidad de Cambio Global, Universitat de Valencia, pp. 180, 2001.

AUTHORS: J.A. Sobrino, **J. El Kharraz**, J. C. Jiménez, G. Sòria, J. Cuenca, M. Gómez, M. Younis y F. Camacho.

TITLE: Second Annual report (WATERMED project, ICA-ct-1999-00015).

PUBLICATION TYPE: Informe del segundo año del Proyecto del mismo nombre financiado por la Unión Europea.

PUBLICATION REF.: Unidad de Cambio Global, Universitat de Valencia, pp. 154, 2002.

AUTHORS: J.A. Sobrino, **J. El Kharraz**, M. Romaguera, J. C. Jiménez, G. Sòria, M. Gómez y M. Younis.

TITLE: Third Annual report (WATERMED project, ICA-ct-1999-00015).

PUBLICATION TYPE: Informe del tercer año del Proyecto del mismo nombre financiado por la Unión Europea.

PUBLICATION REF.: Unidad de Cambio Global, Universitat de Valencia, pp. 143, 2003.

PARTICIPATION IN SPECIAL CONTRACTS RELEVANTS TO COMPANIES AND/ OR ADMINISTRATIONS

TITLE OF THE CONTRACT: *DAISEX'99*

FUNDING ENTITY: *ESA*

DURATION SINCE: *1999* TO: *2000*

PRINCIPAL INVESTIGATOR: *José Moreno Méndez*

TITLE OF THE CONTRACT: *DAISEX'2000*

FUNDING ENTITY: *ESA*

DURATION SINCE: *2000* TO: *2001*

PRINCIPAL INVESTIGATOR: *José Moreno Méndez*

TITLE OF THE CONTRACT: *WATERMED*

FUNDING ENTITY: *UNION EUROPEA*

DURATION SINCE: *2000* TO: *2003*

PRINCIPAL INVESTIGATOR: *José A. Sobrino Rodríguez*

STAYS IN FOREIGN CENTERS

KEY: D= PH-D, P= POST-DOC, I= invited, C= contracted, O= others (to specify).

CENTRE: *Finnish Meteorological Institut, Sodankyla.*

TOWN: *Sodankyla*

COUNTRY: *FINLAND*

YEAR: *2002*

DURATION: *3 weeks*

SUBJECT: *MEASUREMENTS CAMPAIGN SIFLEX.*

KEY: *I*

CENTRE: *Université de Semlalia, Marrakech*

TOWN: *Marrakech*

COUNTRY: *MOROCCO*

YEAR: *2001*

DURATION: *1 week*

SUBJECT: *Logistical meeting of WATERMED project.*

KEY: *I*

CENTRE: *Université de Semlalia, Marrakech*

TOWN: *Marrakech*

COUNTRY: *MOROCCO*

YEAR: *2002*

DURATION: *1 week*

SUBJECT: *Logistical meeting of WATERMED project.*

KEY: *I*

CENTRE: *Université de Semlalia, Marrakech*

TOWN: *Marrakech*

COUNTRY: *MOROCCO*

YEAR: *2003*

DURATION: *2 weeks*

SUBJECT: *MEASUREMENTS CAMPAIGN WATERMED.*

KEY: *I*

PARTICIPATION IN FIELD MEASUREMENTS CAMPAIGNS

CENTRE: *Barrax*
TOWN: *Albacete* COUNTRY: *SPAIN* YEAR: *1999* DURATION: *1 week*
SUBJECT: *MEASUREMENTS CAMPAIGN: DAISEX'99.* KEY: *I*

CENTRE: *Barrax*
TOWN: *Albacete* COUNTRY: *SPAIN* YEAR: *2000* DURATION: *1 week*
SUBJECT: *MEASUREMENTS CAMPAIGN: DAISEX'00.*
KEY: *I*

CENTRE: *Murcia*
TOWN: *Murcia* COUNTRY: *SPAIN* YEAR: *2001* DURATION: *2 days*
SUBJECT: *MEASUREMENTS CAMPAIGN of WATERMED project.* KEY: *I*

CENTRE: *Finnish Meteorological Institut, Sodankyla.*
TOWN: *Sodankyla* COUNTRY: *FINLAND* YEAR: *2002* DURATION: *3 weeks*
SUBJECT: *MEASUREMENTS CAMPAIGN: SIFLEX.* KEY: *I*

CENTRE: *Université de Semailia, Marrakech*
TOWN: *Marrakech* COUNTRY: *MOROCCO* YEAR: *2003* DURATION: *2 weeks*
SUBJECT: *MEASUREMENTS CAMPAIGN of WATERMED project (coordinador).* KEY: *I*

CONGRESSES (communications presented).

AUTHORS: M. H. El Kharraz, J. A. Sobrino & **J. El Kharraz**
TITLE: Un algoritmo operativo para la estimación de la inercia térmica a partir de las imágenes NOAA-AVHRR.
PARTICIPATION TYPE: Oral Communication
CONGRESS: XXVII Reunión Bienal de la Real Sociedad Española de Física.
CELEBRATION PLACE: Valencia, 20-24 Septiembre YEAR: 1999

AUTHORS: J.A.Sobrino, **J. El-Kharraz**, Z.-L.-Li, Z. Wan
TITLE: Surface temperature retrieval from MODIS data
PARTICIPATION TYPE: Oral Communication
CONGRESS: XXV The European Symposium on Remote Sensing
CELEBRATION PLACE: Barcelona, 25-29 Septiembre YEAR: 2000.

AUTHORS: José A. Sobrino, A. Ghani Chehbouni, **Jauad El Kharraz**, Mónica Gómez, Albert Olioso, Charlotte Bay Hasager, Noura Guemouria, y Sami Abdel Arman.
TITLE: WATERMED - water use efficiency in natural vegetation and agricultural areas by remote sensing in the mediterranean basin

PARTICIPATION TYPE: Oral Communication (en inglés: Jauad).

CONGRESS: 1th International Symposium “Arid Regions Monitored by Satellites: from Observing to modelling for Sustainable Management”

CELEBRATION PLACE: Marrakech, 12-15 Noviembre

YEAR:2001.

AUTHORS: Sobrino, J.A., G. Sòria, J. C. Jiménez-Muñoz, **J. El Kharraz**, M. Gómez.

TITLE: Thermal measurements in support of SIFLEX

PARTICIPATION TYPE: Oral Communication

CONGRESS: 1st Workshop on Remote Sensing of Solar Induced vegetation Fluorescence.

PUBLICATION: ESA SP-527.

CELEBRATION PLACE: 19 &20 June, ESA-ESTEC, Noordwijk, Holanda.

YEAR:2002.

AUTHORS: Sobrino, J.A., G. Sòria, J. C. Jiménez-Muñoz, **J. El Kharraz**, M. Gómez.

TITLE: Thermal measurements in support of SIFLEX

PARTICIPATION TYPE: Oral Communication

CONGRESS: 1st Workshop on Remote Sensing of Solar Induced vegetation Fluorescence.

PUBLICATION: Acta de Resúmenes.

CELEBRATION PLACE: 19 &20 June, ESA-ESTEC, Noordwijk, Holanda.

YEAR:2002.

AUTHORS: M. Davidson, M. Berger, I. Moya, A. Ounis, J. Louis, J.-M. Ducret, J. Moreno, V. Casselles, J. Sobrino, L. Alonso, R. Pedros, J.C. Jimenez, J.-L. Gomez, G. Soria, R. Niclos, **J. El-Kharraz**, J.A. Martinez-Lozano, M.P. Utrillas, J. Miller, T. Laurila, T. Thum.

TITLE: SIFLEX-2002: assessing the potential of solar induced fluorescence for monitoring vegetation photosynthetic activity from space.

PARTICIPATION TYPE: Oral Communication.

CONGRESS: IGARSS’2003.

PUBLICATION: Libro de Proceedings de IGARSS’03.

CELEBRATION PLACE: 21-25 Julio 2003, Toulouse, Francia.

YEAR: 2003.

AUTHORS: J. C. Jiménez-Muñoz, J. A. Sobrino, **J. El-Kharraz**, M. Gómez, M. Romaguera y G. Sòria.

TITLE: Synergistic Use of DAIS Bands to Retrieve Land Surface Emissivity and Temperature.

PARTICIPATION TYPE: Oral Communication.

CONGRESS: IGARSS’2003.

PUBLICATION: Proceedings book of IGARSS’03.

CELEBRATION PLACE: 21-25 Julio 2003, Toulouse, France.

YEAR: 2003.

J. El-Kharraz

PARTICIPATION TYPE: Attendance.

CONGRESS: 1st General Assembly of MENBO, International Seminar “Water Days”.

PUBLICATION: <http://www.remoc.org/uploads/generalinformation.doc>

CELEBRATION PLACE: 10-13 November 2003, Valencia, Spain.

YEAR: 2003.

AUTHORS: **J. El Kharraz**, J. A. Sobrino, L. Morales, J. C. Jiménez-Munoz, G. Soria, M. Gomez, M. Romaguera, M. Zaragoza.

TITLE: Land cover dynamic in the Mediterranean Basin using Reanalysis and PAL data.

CONGRESS: EGS-AGU-EUG.

PUBLICATION: European Geophysical Society.

YEAR: 2004.

AUTHORS: **J. El Kharraz**, J. A. Sobrino, L. Morales, J. C. Jiménez-Munoz, G. Soria, M. Gomez, M. Romaguera, M. Zaragoza.

TITLE: Land cover dynamic in the Mediterranean Basin using Reanalysis and PAL data.

CONGRESS: EGS-AGU-EUG.

PUBLICATION: European Geophysical Society.

YEAR: 2004.

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication.

TITLE: Overview of EMWIS promotion plan & NFP needs survey

CONGRESS/MEETING: 4th Coordination seminar of the EMWIS National Focal Points, Rabat (Morocco), 2004-07-06 & 07

http://www.emwis.org/documents/html/4th_c_c_'04.htm

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication, and **chairman of the session:** Water management & Desertification.

TITLE: Euro Mediterranean System Information on the know how in the water sector and Desertification in the Mediterranean

CONGRESS/MEETING: CMU-RMEI meeting on Innovation as a tool for a sustainable development within the Mediterranean, Foggia (Italy) 14 October, 2004. <http://www.emwis.org/documents/html/foggia'04.htm>

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication.

TITLE: Criteria for the selection of an inland water thesaurus and glossary water thesaurus

CONGRESS/MEETING: Information and training seminar for data managers of the EMWIS National Focal Points, Madrid (Spain), 2004-11-22/26. <http://www.emwis.org/documents/html/madrid'04.htm>

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication.

TITLE: Water & Tourism in the Mediterranean: MEDA WATER projects

CONGRESS/MEETING: HYDROTOP'05 (Le Carrefour Euro-Méditerranéen de l'Eau), Marseille, France 15-17 March 2005. <http://www.semide.org/documents/html/hydrotop'05.htm>

Author: **J. El Kharraz**

CONGRESS/MEETING: GIS & WATER MANAGEMENT in Morocco: Rabat (Morocco), 2005-04-27/28.

<http://www.semide.org/documents/html/Rabat'05.htm>

Author: **J. El Kharraz.**

CONGRESS/MEETING: Regional Workshop on Indicators for Sustainable Development strategies and Policies in the Mediterranean Region, Nice, France, 09-11 May 2005.

http://www.planbleu.org/methodologie/imdd_liste_part_mai05.pdf

Author: **J. El Kharraz.**

CONGRESS/MEETING: International Conference on Water, Land & Food Security in Arid & Semi-Arid Regions, Bari, Italy, 06-09 September 2005. [http://www.emwis.org/documents/pdf/20050906_FIRST-](http://www.emwis.org/documents/pdf/20050906_FIRST-ANNOUNCEMENT-CONFERENCE-IAMB.pdf)

[ANNOUNCEMENT-CONFERENCE-IAMB.pdf](http://www.emwis.org/documents/pdf/20050906_FIRST-ANNOUNCEMENT-CONFERENCE-IAMB.pdf)

Author: **J. El Kharraz**

PARTICIPATION TYPE: 2 Oral Communications.

TITLE: 1- Progress on the multilingual water thesaurus and glossary; 2- NFP good practices: Publication of NFP work-programmes, Organisation of national EMWIS information/awareness seminar, Presenting EMWIS and NFP roles on the NFP websites.

CONGRESS/MEETING: 5th Coordination seminar of the EMWIS National Focal Points, Amman, Jordan 2005-09-27/29. http://www.emwis.org/documents/html/5th_c_c_'05.htm

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication, reporter of several working groups, and participation in the final recommendations formulation.

TITLE: EMWIS; A TOOL FOR EXCHANGING WATER KNOW-HOW IN & BETWEEN EURO-MED COUNTRIES.

CONGRESS/MEETING: First EMPOWERS Partnership's Regional Symposium on End-User Ownership and Involvement in Integrated Water Resources Management": "Water is Everybody's Business", Cairo, Egypt, 2005-11-13/17. <http://www.emwis.org/documents/html/cairo'05.htm>

Author: **J. El Kharraz**

CONGRESS/MEETING: Euro-Mediterranean conference of the 35 Water Directors, Rome (Italy), 2005-11-24/25. <http://www.emwis.org/documents/html/roma'05.htm>

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication.

TITLE: EMWIS

CONGRESS/MEETING: 1st MEDA Water (Euro-Mediterranean Regional Water Programme for Local Water Management) – RMSU (Regional Monitoring and Support Unit) Meeting, 5-7 December 2005, Dead Sea (Jordan). http://www.emwis.org/MEDA/meda_dec'05.htm

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication.

TITLE: Overview of EMWIS National Focal Points.

CONGRESS/MEETING: Seminar on "Water Information Systems of Turkey & EMWIS", Ankara (Turkey), 2005-12-15. <http://www.emwis.org/documents/html/ankara'05.htm>

Author: **J. El Kharraz**

PARTICIPATION TYPE: TRAINING.

CONGRESS/MEETING: MEDA-water RMSU training course: LogFrame and Benchmarking Meeting, 30-31 March 2006, Marseille, France. http://www.emwis.org/documents/pdf/20060330_RMSU-Training.pdf

Author: **J. El Kharraz**

PARTICIPATION TYPE: TRAINING.

CONGRESS/MEETING: "European external aid projects and the logical framework" given by Welcomeurope: www.welcomeurope.com , 08-09 March 2007, Brussels, Belgium.

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication.

TITLE: EMWIS new portal presentation.

CONGRESS/MEETING: 9th Meeting of the EMWIS steering committee, Nice (France), 2006-05-15
http://www.emwis.org/documents/html/9th_s_c_'06.htm

Author: **J. El Kharraz**

PARTICIPATION TYPE: Oral Communication.

TITLE: Euromediterranean Information system on the know-how in Water sector.

CONGRESS/MEETING: BALWOIS 2006 - Water Observation, Ohrid (Macedonia), 2006-05-23/26
http://www.emwis.org/documents/pdf/20060523_BALWOIS2006.pdf

Author: **J. El Kharraz**

PARTICIPATION TYPE: Reporter of the 3rd workshop: "Sharing of experiences on the added value of data and information on water and production of useful information"

CONGRESS/MEETING: Regional workshop on "National water information systems & EMWIS", Algiers (Algeria), 2006-06-26/27, <http://www.emwis.org/documents/html/algeria'06.htm>

Author: **J. El Kharraz**

PARTICIPATION TYPE: 2 Oral Communications.

TITLE: 1- New EMWIS web portal; 2- Analysis of European Union projects & programmes in the water sector in the Mediterranean area.

CONGRESS/MEETING: 6th Coordination seminar of the EMWIS National Focal Points, Algiers (Algeria) - 2006-06-27/28. http://www.emwis.org/documents/html/5th_c_c_'05.htm

Author: **J. El Kharraz**

CONGRESS/MEETING: Conference of the water directors of the Euro-Mediterranean and Southeastern European countries, Athens (Greece), 2006-11-06/07.

<http://www.emwis.net/documents/meetings/fol148169/fol106940>

Author: **J. El Kharraz**

CONGRESS/MEETING: 10th EMWIS Steering Committee meeting, Athens 2006-11-06.

<http://www.semide.net/documents/meetings/SC/SC10/>

Author: **J. El Kharraz**

CONGRESS/MEETING: GWP-Med Partnership Council Meeting, Athens 2006-11-08.

<http://www.semide.net/thematicdirs/events/sev155122>

Author: **J. El Kharraz**

CONGRESS/MEETING: 4th General Assembly of MENBO - Mediterranean Cooperation Session: Capacity Building of River Basin Organisations (RBOs) and Mediterranean Cooperation, Athens 2006-11-05.

<http://www.semide.net/thematicdirs/events/sev502704>

Author: **J. El Kharraz**

CONGRESS/MEETING: Information and training seminar for EMWIS data managers, Madrid 2006-11-13/15.

<http://www.semide.net/documents/meetings/NFP/fo1385036>

Author: **J. El Kharraz**

CONGRESS/MEETING: EMWIS National information seminar in Cyprus, Nicosia 10 May 2007.

<http://www.emwis.net/documents/meetings/fo1791509/fo1557542>

Author: **J. El Kharraz**

CONGRESS/MEETING: EMWIS National information seminar in Jordan, Amman 16 May 2007.

<http://www.emwis.net/documents/meetings/fo1791509/fo1383125>

Author: **J. El Kharraz**

CONGRESS/MEETING: Med working group on "water scarcity and droughts" of Joint Process, Seville (Spain) 19 June 2007.

<http://www.emwis.net/thematicdirs/events/sev031432>

Author: **J. El Kharraz**

CONGRESS/MEETING: 11st EMWIS Steering Committee meeting, 5th July 2007 in Madrid (Spain).

<http://www.emwis.net/documents/meetings/SC/SC11>

Author: **J. El Kharraz**

CONGRESS/MEETING: 7th NFP Coordination Seminar - 2007-09-10/11 Istanbul, 10th-11st September 2007 in Istanbul (Turkey).

<http://www.emwis.net/documents/meetings/fo1725266/nfpco2007/>

ORGANISED CONFERENCES

TITLE: *Remote Sensing and its applications.*

EVENT: Organised by **Jauad El Kharraz** with “Colegio Mayor La Coma” of the University of Valencia.

PRESENTATION PLACE: *Colegio Mayor la Coma, Paterna (Valencia), 8 Mayo*

PRESENTER: Dr. José Antonio Sobrino

YEAR: 2000

TITLE: *Remote Sensing.*

EVENT: Organised by **Jauad El Kharraz** into the frame of the welcome week of the association AEMV of the University of Valencia.

PRESENTATION PLACE: *Campus de Tarongers, Aulario Sur (Valencia), 30 Octubre*

PRESENTER: Dr. José Antonio Sobrino

YEAR: 2002

TITLE: *The 1st International Symposium on Recent Advances in Quantitative Remote Sensing: RAQRS'I.*

ROLE: Organising Committee member: www.uv.es/ucq/symposium

PRESENTATION PLACE: *Torrent, Valencia-Spain (16-20 September)*

YEAR: 2002

TITLE: *The 2nd International Symposium on Recent Advances in Quantitative Remote Sensing: RAQRS'II.*

ROLE: Organising Committee member: www.uv.es/raqrs

PRESENTATION PLACE: *Torrent, Valencia-Spain (25-29 September)*

YEAR: 2006

TITLE: *EMWIS*

EVENT: *Participation in the organisation of all EMWIS cited in this CV.*

PRESENTATION PLACE: *Mediterranean countries*

YEAR: 2004-2006

RESEARCH WORKS PRESENTED (MSc = DEA and PhD)

TITLE: *Estimación de la Temperatura de la superficie terrestre y del contenido total en vapor de agua de la atmósfera a partir de datos MODIS.*

EVENT: MSc thesis **Jauad El Kharraz**.

UNIVERSITY: *Valencia.*

FACULTY: *Physics.*

YEAR: 2001.

QUALIFICATION: *Summa Cum Laude*

TITLE: *Land surface temperatura and atomspheric water vapour content estimation from MODIS data*

EVENT: (Phd) Doctoral thesis of **Jauad El Kharraz**.

UNIVERSITY: *Valencia.*

FACULTY: *Physics.*

SUPERVISION & REFEREE/JURY

- *Committee Member of Ph-D jury (Board Examiners) of: Mrs. Monica Gomez: “Evapotranspiration cartography by means of Remote Sensing data using high and low resolution satellites”, 13/03/2006, Valencia (Spain).*
 - *Committee Member of Ph-D jury of: Mr. Guillem Barres, 30/06/2006, Valencia (Spain).*
 - *1st substitute of the Committee Member of Ph-D jury of: Mrs. Mireia Romaguera Albentosa, 27/06/2006, Valencia (Spain).*
 - *Supervisor of practicers in EMWIS*
 - *Referee of: the International Journal of Remote Sensing, IEEE Transactions and Geoscience and Remote Sensing Journa, Photogrammetric Engineering and Remote Sensing Journal & the Journal of Geophysical Research.*
-

EDUCATION & TRAINING COURSES

- Ph-d courses:

- Tratamiento digital de imágenes en teledetección (curso 98/99 con la calificación sobresaliente), Spain.
- Fundamentos físicos de la teledetección (curso 98/99 con la calificación sobresaliente), Spain.
- Medida de la emisividad y reflectividad (curso 98/99 con la calificación sobresaliente), Spain.
- Climatología y meteorología desde satélites y cambio climático (curso 99/2000), Spain.
- Análisis datos caóticos experimentales (curso 99/2000), Spain.
- Desertificación: Conceptos, factores y procesos (curso 99/2000), Spain.
- Análisis territorial por teledetección espacial (curso 99/2000), Spain.

- Specialized courses:

- Certificate of attendance of the course: “Accessing and Understanding MODIS Data”, (professors: Gregory Leptoukh, “NASA Goddard Space Flight Center Greenbelt Maryland USA”, Calli B. Jenkerson, “USGS, Sioux Falls South Dakota USA” y Siri Jodha Singh Khalsa, “National Snow and Ice Data Center Boulder Colorado USA”, Toulouse, 20 July 2003.
- Information & Training Seminar for Information Technology Managers, XML databases & Web services, Sophia Antipolis, (France), 2005-03-14/18
- Certificate of attendance of the training on “Logical Framework and Benchmarking at the Regional Monitoring and Support Unit Project Office”, in Marseille from 30 to 31 March, 2006, organised by MEDA WATER RMSU (European Commission).
- Certificate of attendance to the training on “European external aid projects and the logical framework”, in Brussels (Belgium) from 08 to 09 March, 2007, organised by Welcomeurope.
- 1 day Training on “Thermal Desalination Technologies”, organised by MEDRC (Middle East Desalination Research Center) on June 25th, 2006 in Algiers (Algeria).

- Other courses:

- Courses in Visual C++ in the University Politécnica of Valencia, Spain (1999).
- Courses of Spanish (Top level) in “Valencia Acoge”, Spain (1998-1999).
- Courses in Photoshop 5 in Casa Cultura, Burjassot, Valencia, Spain. (2000)
- Courses in Dreamweaver, University of Valencia, Spain (2001)
- English courses in “Opening English” institut (levels: 7-11: advanced), Valencia, Spain (2002-2003).

EDUCATION GRANTS

- 1994- 1998: Ministry of Education (Morocco), University Abdelmalek Essaadi, Sciences Faculty, Tétouan, Morocco: (University studies).
- July 1998: Grant of North-South (ayuda de manutención) in Valencia, Spain.
- October 1999- July 2000: Grant of Colegio Mayor La Coma (alojamiento y manutención), Valencia, Spain.
- March- August 2000: Collaboration grant in the framework of the WATERMED project (INCO-MED programme) funded by the European Commission.
- September 2000- January 2004: Research grant into the frame of the WATERMED project (INCO-MED programme) funded by the European Commission.

KNOWLEDGE

(Remote Sensing/Earth sciences, Climate Change, Water sector (Integrated Water Resources Management), Information systems, International projects management, Sustainable development, Capacity building)

- o Simulation programs for the computation of atmospheric radiances and transmittances: LOWTRAN-7, SMAC, MODTRAN 2 and MODTRAN 3.5.
- o Processing satellites images softwares: ENVI and IDRISI.
- o Processing climate data by REANALYSIS-GRADS.
- o Control of the databases: PATHFINDER satellite data (NOAA images) and REANALYSIS (climate data).
- o Simulation program of the covers production: WOFOST.
- o Experimental measurements of temperature, emissivity, reflectivity, LAI, etc with different instruments: CIMEL, EVEREST, RAYTEK, Thermo-couple, etc.), BOX, Goniometer, etc.
- o Computer skills: Excell, Word, Power Point, Publisher, Frontpage, Paint Shop, Windows 95/98/XP, MS-DOS, UNIX, QBasic, Fortran, Turbo C, Visual C++, IDL, IDRISI, Mac-OS, HTML, JAVA, XML.
- o Logframe and Benchmarking methodology to assess and monitor international projects.
- o Water Information Systems
- o Integrated Water Resources Management, and the participatory approach
- o Webmaster and Webdesigner of many websites: Global Change Unit (<http://www.uv.es/ucg>), WATERMED project (<http://www.uv.es/ucg/watermed>), First & 2nd International Symposium on Recent Advances in Quantitative Remote (<http://www.uv.es/ucg/symposium>, <http://www.uv.es/raqrs>), Field campaigns (<http://www.uv.es/ucg/marrakech>), etc.

REFEREES

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2- Prof. José Antonio Sobrino

Global Change Unit Leader

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3- Dr. Juan Canovas

Former president of EMWIS (www.emwis.org)

Former president of “Confederacion Hidrografica del Segura”, Spain

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CONTACTS AND COLLABORATIONS WITH FOREIGNER ORGANIZATIONS

- *University Cadi Ayyad, Marrakech, Morocco (Dr. Noura Guemmouria).*
 - *IRD, Mexique (Dr. Ghani Chehbouni).*
 - *CESBIO, France (Dr. Gérard Dédieu).*
 - *INRA, France (Dr. Alber Olivos).*
 - *NARSS, Egypt (Dr. Mahmoud Ahmed).*
 - *NASA, USA (Dr. Zhenming Wan).*
 - *TRIO/LSIIT (CNRS), France (Dr. Zhang Liang Li).*
 - *Applied Research Institute of Jerusalem, Palestine (Dr. Majed Abu Kubi).*
 - *Dept. of Environmental Sciences and Renewable Natural Resources, University of Chile, Chile (Dr. Luis Morales).*
 - *RISOE, Denmark (Dr. Charlotte Hasager).*
 - *CRTS, Rabat, Morocco (Dr. Noureddine Bijaber).*
 - *ESA, Holland (Dr. Malcolm Davidson).*
 - *Bleu Plan (Mohammed Blinda)*
 - *FAO (Salam Maher)*
 - *CEDEX, SOGESID and OIEAU*
 - *Ministries charged of water in the Mediterranean countries*
 - *etc.*
-

OTHER MERITS

- *Member of the Scientific Committee of ICTIS'05 (Information and Communication Technologies International Symposium) held in Tetuan (Morocco) on June 03-06th 2005, <http://telecom.uae.ma/ictis/committees.htm>*
- *Participation in e-conferences, workshops, and meetings (Water sector, remote sensing, sustainable development, culture, society) with stakeholders (general consell in Alpes Maritimes, France, European Commission monitoring experts, European Space Agency experts, IRD-France experts, stakeholders in the water sector of Morocco, Algeria, Spain, France, Italy, Turkey, Palestine, Israel, Tunisia, Egypt, Greece, Cyprus, Malta, Syria, Lebanon, Jordan, Libya, etc)*
- *Investigator of the European project "Water use efficiency in natural vegetation and agricultural areas by Remote Sensing in the MEDiterranean basin" (WATERMED), funded by the European commission*
- *Chairman of the Water management & desertification session of CMU-RMEI meeting on Innovation as a tool for a sustainable development within the Mediterranean, Foggia (Italy) 14 October, 2004.*
(<http://www.emwis.org/documents/html/foggia'04.htm>)
- *Co-Chairman of the Water management session of CMU-RMEI meeting, Valencia (Spain) 18-19 May, 2007.*
- *Member of Research and Media Network: <http://researchandmedia.ning.com/profile/jauek>*
- *Referee of many international journals: International Journal of Remote Sensing, y IEEE Transactions and Geoscience and Remote Sensing (emery@colorado.edu).*
- *Referee of Photogrammetric Engineering and Remote Sensing Journal (Editor: Mr. James W Merchant:*

jmerchan@unlnotes.unl.edu)

- Referee of the Journal of Geophysical Research (John Austin, Editor of the Journal of Geophysical Research - Atmospheres:jgr-atmospheres@agu.org)
- Member of the Editorial Committee for Physics of Foxwell & Davies Italia srl, Di Napoli (Italy) since November 2003. (Email: staff@foxwellsci.com).
- Professor in the Summer School of Teruel, University of Zaragoza, July 2000 and July 2002.
- Member of the AATSR Land Surface Temperature Validation Team. Coordinated by Dr. Marianne Edwards and Prof. David Llewellyn-Jones from Space Research Centre, Department of Physics and Astronomy, University of Leicester, University Road, Leicester (mce1@le.ac.uk).
- Member, organizer, and one of the founders of the First International Symposium on Recent Advances in Quantitative Remote Sensing held in Torrent (Valencia) between 16 and 20 September, 2002 (<http://www.uv.es/ucg/symposium>).
- Member of the organizing committee of the 2nd International Symposium on Recent Advances in Quantitative Remote Sensing held in Torrent (Valencia) between 25 and 29 September, 2006 (<http://www.uv.es/raqrs>).
- Member since October 1998 of the Global Change Unit and the Departament of Thermodynamics (University of Valencia), under supervision of Dr. José Antonio Sobrino and with a team of investigators working in different issues of Remote Sensing sciences and applications.
- Member of the Spanish Association of Remote Sensing and the Canadian Association of Remote Sensing.
- Attendance to many workshops, conferences, and meetings (Workshop of DAISEX, Valencia; Workshop of SIFLEX, Sodankyla "Finland", Workshop of AATSR, Valencia; Workshop of LANDWATERMED, Valencia, Workshop of WATERMED, Avignon "Francia", etc).
- Attendance to the International Symposium: "International Conference on Water management- WATER DAYS", 10-13 November 2003, organized by MENBO and the Júcar Basin Authority (CHJ).
- Attendance to the first and second meetings of the hispanic-arabic intellectuals held both in Madrid, June, 2002 and June 2003.
- Attendance to the Regional workshop on "Indicators for the Strategies and Policies of Sustainable Development in the Mediterranean" in Nice (France) on May 9-11, 2005.
- President of the Association of Arabic students of the University of Valencia "AEMV": 2002-2003.
- Organizer of the Welcome week of AEMV, October, 28- November, 03, 2002, Campus de Tarongers, University of Valencia.
- Member of MODIS Atmosphere users list (<http://modis-atmos.gsfc.nasa.gov/>).
- Member of SPARC, DAISEX, SIFLEX list (<http://io.uv.es/projects>)
- Member of The European Organisation for Sciences and Technology Development, Paris, France.
- Member of many Euro-Mediterranean organisations working on water management issues and desertification
- Member of the International Association of Young Scientists (WAYS) and the Arabic Association of Young Scientists.
- Member of the Association : « ECHANGES MEDITERRANEENS pour l'eau, la forêt et le développement »