

## CURRICULUM VITAE

### Fernando Camacho de Coca



D.N.I.: 20156920-L Birth date: April 18, 1971.

Address: C/ Villahermosa, 30-11.

46006, Valencia. SPAIN.

☎ : +34.963.54.31.13 - +34.963.32.68.35; 📞 : +34. 606.69.95.88

E-mail: Fernando.Camacho@uv.es.

Web site: <http://www.uv.es/~fcamacho>

## ACADEMIC BACKGROUND

- 2001: **Research sufficiency** (*Suficiencia Investigadora*) in **Environmental Physics** for the Departamento de Termodinámica of the Universitat de Valencia. Research work: ***La anisotropía de la reflectividad de las cubiertas vegetales: el efecto hot spot***, Universitat de València, 196 pp.
- 1997: **Bachelor's degree in Physics**, branch of Theoretical Physics, for the *Universitat de València* (UV).

## RESEARCH EXPERIENCE

### **A) PROFESSIONAL EXPERIENCE**

- 07/2003-12/2003: **Advanced Research Technician** (UV) linked to the LSA SAF (EUMETSAT) project. Main research: Joaquín Meliá.
- 11/2002-06/2003: **Advanced Research Technician** (UV) linked to the Scientific Analysis of the ESA Airborne Multi-Annual Imaging Spectrometer Campaign DAISEX (ESA) project. Main research: José F. Moreno.

### **B) RESEARCH GRANTS AND FOUNDINGS**

- 01/2003- 04/2003: Visiting Scientist of LSA SAF (EUMETSAT).
- 11/2001- 10/2002: Research grant of LSA SAF (EUMETSAT).

- 11/2000- 10/2001: Research grant of LSA SAF (EUMETSAT).
- 06/2001- 07/2001: Grant of the *Generalitat Valenciana* for short stays abroad.
- 11/1999-10/2000: Research grant of RESYSMED (EC).
- 11/1998-10/1999: Research grant of RESYSMED (EC).
- 01/1998-06/1998: Collaborative grant of MEDALUS II (EC).

### **C) PUBLICATIONS IN SCIENTIFIC JOURNALS<sup>1</sup>**

- Camacho-de Coca, F., F.J. García-Haro, R. Lacaze, M. Leroy, J. Meliá and J.L. Roujean. **Prototyping of MSG FVC and LAI synergistic algorithm with POLDER/ADEOS data.** IEEE Transactions on Geoscience and Remote Sensing (in preparation).
- Gascón, F., C. Bacour, F. Camacho-de Coca and F.J. García-Haro. **Comparison of algorithms for biophysical variables retrieval in the frame of the DAISEX study.** Photogrammetry and Remote Sensing (in preparation).
- Camacho-de Coca, F., F.M., Bréon, M. Leroy and F.J. García-Haro, (2004). **Airborne measurements of hot spot reflectance signatures.** Remote Sensing of Environment: 90: 63-75.
- García-Haro, F.J., F. Camacho-de Coca and J. Meliá, (2003). **DISMA-A Directional Spectral Mixture Analysis method. Application to multi-angular airborne measurements.** Remote Sensing of Environment (submitted).
- Camacho-de Coca, F., F.J. García-Haro, M.A. Gilabert and J. Meliá, (2003). **Vegetation cover seasonal changes assessment from TM imagery in a semiarid landscape.** International Journal of Remote Sensing (in press).
- García-Haro, F.J., F. Camacho-de Coca and J.Meliá, (2003). **Retrieving leaf area index from multi-angular airborne data.** Annals of Geophysicae (in press).
- Camacho-de Coca, F., F.J. García-Haro, M.A. Gilabert and J. Meliá, (2002). **La anisotropía de la BRDF: Una nueva signatura de las cubiertas vegetales.** Revista de Teledetección, 18: 29-46.
- Vercher, A., M.A. Gilabert, F. Camacho-de Coca and J. Meliá, (2002). **Influencia del ángulo cenital de iluminación en los índices de vegetación.** Revista de Teledetección, 18: 75-89.
- García-Haro, F.J., F. Camacho-de Coca, J. Meliá and M.A. Gilabert, (2001). **Un modelo de reflectividad bidireccional para simular imágenes de teledetección a una escala de 1 km.** Revista de Teledetección, 16: 95-100.

---

<sup>1</sup> Available from <http://www.uv.es/~fcamacho>

## **D) PUBLICATIONS IN CONFERENCE PROCEEDINGS<sup>2</sup>**

- Camacho-de Coca, F., F.J. García-Haro and J. Meliá, (2003). **Integrating hyperspectral and multiangular methods for vegetation parameters retrieval.** Proceedings of the SPECTRA Workshop, 28-30 October, ESA-ESTEC, Holland (in press).
- Bacour, C., F. Baret, F. Camacho-de Coca, F.J. García-Haro and F. Gascón, (2003). **Comparison of retrieval methods for LAI and Cab during DAISEX.** Proceedings of the SPECTRA Workshop, 28-30 October, ESA-ESTEC, Holland (in press).
- Camacho-de Coca, F., F.J. García-Haro, B. Martínez and J. Meliá, (2003). **Prototyping algorithm for retrieving vegetation parameters from the MSG and EPS Eumetsat platforms.** Remote Sensing for Agriculture, Ecosystem and Hydrology. SPIE. Barcelona (in press). Remote Sensing for Agriculture, Ecosystems, and Hydrology II. M.Owe, G. D'Urso, J. Moreno and A. Calera, Editors. SPIE. Vol. 5233: pp 19-29 (ISBN 0-8194-5115-0).
- García-Haro F.J., F. Camacho-de Coca and J. Meliá, (2003). **Global mapping of vegetation parameters from SEVIRI/MSG data.** Remote Sensing for Agriculture, Ecosystems, and Hydrology II. M.Owe, G. D'Urso, J. Moreno and A. Calera, Editors. SPIE. Vol. 5233: pp 30-41, (ISBN 0-8194-5115-0).
- Camacho-de Coca, F., M. Leroy, F.J. García Haro, M.A. Gilabert and J. Meliá, (2003). **Estimación de la reflectividad foliar a partir de medidas de la signatura direccional Hot Spot.** En Teledetección y Desarrollo Regional, pp. 115-118. Ed., X Congreso Nacional De Teledetección, Cáceres, Septiembre 2003 (ISBN: 84-607-8649-8).
- Camacho-de Coca, F., F. Gascón, J.P. Gastellu-Etchegorry and M. Leroy, (2003). **Influencia de parámetros estructurales y ópticos en la signatura direccional Hot Spot de cubiertas vegetales simuladas con DART.** En Teledetección y Desarrollo Regional, pp. 361-364. Ed., X Congreso Nacional De Teledetección, Cáceres, Septiembre 2003 (ISBN: 84-607-8649-8).
- Camacho-de Coca, F., F.J. García-Haro and J. Meliá, (2003). **Metodología para derivar productos de vegetación con datos SEVIRI/MSG: I. VMESMA normalizado de la anisotropía.** En Teledetección y Desarrollo Regional, pp. 369-373. Ed., X Congreso Nacional De Teledetección, Cáceres, Septiembre 2003 (ISBN: 84-607-8649-8).
- García-Haro F.J., F. Camacho-de Coca and J. Meliá, (2003). **Metodología para derivar productos de vegetación con datos SEVIRI/MSG: II. Inversión del modelo DISMA.** En Teledetección y Desarrollo Regional, pp. 374-378. Ed., X Congreso Nacional De Teledetección, Cáceres, Septiembre 2003 (ISBN: 84-607-8649-8).
- Martínez, B., F.J. García-Haro, F. Camacho-de Coca and J. Meliá, (2003). **Validación de productos de vegetación derivados del sensor SEVIRI/MSG.** En Teledetección y Desarrollo Regional, pp. 397-400. Ed., X Congreso Nacional De Teledetección, Cáceres, Septiembre 2003 (ISBN: 84-607-8649-8).
- Vercher, A., F. Camacho-de Coca and J. Meliá, (2003). **Influencia de la geometría de adquisición en el NDVI.** En Teledetección y Desarrollo Regional, pp. 401-404. Ed., X Congreso Nacional De Teledetección, Cáceres, Septiembre 2003 (ISBN: 84-607-8649-8).

---

<sup>2</sup> Available from <http://www.uv.es/~fcamacho>

- García-Haro F.J., F. Camacho-de Coca and J. Meliá, (2002). **Retrieval of biophysical parameters using directional spectral mixture analysis**. In Recent Advances in Quantitative Remote Sensing, pp. 963-971. J. Sobrino, Ed., Universitat de Valencia, Torrente, 16-20 Septiembre (ISBN: 92-9092-809-3).
- Camacho-de Coca, F., F.J. García-Haro and M.A. Gilabert, (2002). **Quantitative analysis of the anisotropy of BRDF of land crops using airborne POLDER data**. In Recent advances in Quantitative Remote Sensing, pp. 303-308. J. Sobrino, Ed., Universitat de Valencia, Torrente, 16-20 Septiembre, (ISBN: 92-9092-809-3).
- Camacho-de Coca, F., M. Leroy, J.P. Gastellu-Etchegorry and F. J. García-Haro, (2002). **Measured Hot Spot directional signatures of agricultural crops during daisex'99**. In Recent Advances in Quantitative Remote Sensing, pp. 108-115. J. Sobrino, Ed., Universitat de Valencia, Torrente, 16-20 Septiembre 2002, (ISBN: 92-9092-809-3).
- Camacho-de Coca, F., F.J. García-Haro and J. Meliá, (2002). **The BRDF in FVC retrieval on a global scale with new generation satellites: MSG & EPS**. 3ª Assemblée Luso-Espanhola de Geodesia-Geofísica. pp. 1389-1393. F. García y J.L. Berné, Ed., Universitat Politècnica de Valencia, Valencia, 4-8 Febrero, (ISBN: 84-9705-364-8).
- García-Haro, F.J., F. Camacho-de Coca and M.A. Gilabert, (2002). **Retrieval of biophysical parameters using directional data from new generation satellites: EPS and MSG**. In 3ª Assemblée Luso-Espanhola de Geodesia-Geofísica, pp. 1383-1388. F. García y J.L. Berné, Ed., Universitat Politècnica de Valencia, Valencia, 4-8 Febrero, (ISBN:84-9705-364-8).
- Camacho-de Coca, F., F.J. García-Haro, P. García-Rubio, M.A. Gilabert, S. Lanjeri, B. Martínez and J. Meliá, (2002). **A study area for validation of LSA SAF products**. Proceedings of the LSA SAF Training Workshop (Ed. EUMETSAT: Darmstadt), Lisboa, 8-10 Julio (in press).
- García-Haro, F.J., F. Camacho-de Coca and M.A. Gilabert, (2002). **Simulation of BRDF data to support biophysical parameters retrieval in the LSA SAF context**. Proceedings of the LSA SAF Training Workshop, (Ed. EUMETSAT: Darmstadt), Lisboa, 8-10 Julio (in press).
- Camacho-de Coca, F., F.J. García-Haro and B. Martínez, (2002). **An operational strategy for retrieval of vegetation products from SEVIRI & AVHRR-3 data**. Proceedings of the LSA SAF Training Workshop, (Ed. EUMETSAT: Darmstadt), Lisboa, 8-10 Julio (in press).
- Camacho-de Coca, F., M.A. Gilabert and J. Meliá, (2001). **Índices angulares para el estudio de la vegetación**. En Teledetección: Medio Ambiente y Cambio Global. pp. 441- 445. Ed. Universitat de Lleida i Editorial Milenio, (ISBN: 84-9743-001-8).
- Camacho-de Coca, F., M.A. Gilabert and J.Meliá, (2001). **Implicaciones de la anisotropía del BRDF en la medida con sensores ópticos aerotransportados**. En Teledetección: Medio Ambiente y Cambio Global. pp. 576- 581. Ed. Universitat de Lleida i Editorial Milenio, (ISBN: 84-9743-001-8).
- García-Haro, F.J., F. Camacho-de Coca, J. Meliá and M.A. Gilabert, (2001). **Un modelo de reflectividad óptimo para simular grandes escenas y analizar efectos angulares en teledetección**. En Teledetección: Medio Ambiente y Cambio Global. pp. 503- 508. Ed. Universitat de Lleida i Editorial Milenio, (ISBN: 84-9743-001-8).
- Camacho-de Coca, F., J. González-Piqueras, M.T. Younis and M.A. Gilabert (2001). **Reflectance of invariant targets: Validation of in-flight HyMAP and DAIS measurements with in-situ data**. Proceedings of the Final Results Workshop on DAISEX (Digital Airborne Imaging Spectrometer

EXperiment), ESA SP-499, July 2001, pp. 133- 141. ESA Pub., ESTEC, Noordwijk, The Netherlands, Ed. M. Wooding / R.A. Harris, 288 pages (ISBN: 92-9092-809-3).

- Camacho-de Coca, F., M.A. Gilabert and J. Meliá (2001). **Bidirectional reflectance factor analysis from field radiometry and HyMap data**. Proceedings of the Final Results Workshop on DAISEX (Digital Airborne Imaging Spectrometer EXperiment), ESA SP-499, July 2001, pp. 163- 176. ESA Pub., ESTEC, Noordwijk, The Netherlands, Ed. M. Wooding / R.A. Harris, 288 pages (ISBN: 92-9092-809-3).
- Fernández, G., L. Alonso-Chorda, C. Cuñat, F. Camacho-de Coca, F. Nerry and J. Moreno (2001). **Overall validation of the pre-processed data**. Proceedings of the Final Results Workshop on DAISEX (Digital Airborne Imaging Spectrometer EXperiment), ESA SP-499, July 2001, pp. 143- 151. ESA Pub., ESTEC, Noordwijk, The Netherlands, Ed. M. Wooding / R.A. Harris, 288 pages (ISBN: 92-9092-809-3).
- Alonso-Chorda, L., F. Camacho-de Coca, V. Caselles, C. Coll, J. Cuenca, C. Cuñat, L. Dempere, H. El Karraz, J. El Karraz, 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 (2001). **Surface Radiometric Measurements at Barrax**. Proceedings of the Final Results Workshop on DAISEX (Digital Airborne Imaging Spectrometer EXperiment), ESA SP-499, July 2001, pp. 71-78. ESA Pub., ESTEC, Noordwijk, The Netherlands, Ed. M. Wooding / R.A. Harris, 288 pages (ISBN: 92-9092-809-39).
- Camacho-de Coca, F., B. Martinez, M.A. Gilabert and J. Meliá, (2001). **Reflectance anisotropy analysis of homogeneous canopies using laboratory and Hymap airborne data**. Remote Sensing for Agriculture, Ecosystems, and Hydrology II. M.Owe, G. D'Urso, E. Zilioli, Editors. SPIE. Vol.4171: 280-291 (ISBN: 0-8194-3827-8).
- Martinez, B., F. Camacho-de Coca, J. García-Haro and M.A. Gilabert, (2001). **Exploring the possibilities of a vegetation index (GESAVI) from remotely sensed data**. Remote Sensing for Agriculture, Ecosystems, and Hydrology II. M.Owe, G. D'Urso, E. Zilioli, Editors. SPIE. Vol.4171: 271-279 (ISBN: 0-8194-3827-8).
- Camacho-de Coca, F., M.A. Gilabert and J. Meliá, (2001). **Hot spot signature dynamics in vegetation canopies with varying LAI**. Proceedings of the 8th Symposium International on Physical Measurements and Signatures in Remote Sensing. Aussois, France. 8-12 Enero 2001.
- Camacho-de Coca, F., (2000). **La anisotropía de la reflectividad de las cubiertas vegetales: el efecto hot spot**. Trabajo de Investigación, Departamento de Termodinámica, Universitat de València, 196 pp.
- Camacho-de Coca, F., M.A. Gilabert and J. Meliá, (1999). **Utilidad del PTFE como panel de referencia en medidas de radiometría**. En Teledetección: Avances y Aplicaciones. Ed. Castaño. S y A. Quintanilla. Diputación de Albacete (ISBN: 84-89659-62-1).
- Camacho-de Coca, F., M.A. Gilabert, J. Meliá, (1999). **La anisotropía del BRF de las cubiertas vegetales**. Resúmenes de la XXXVII Reunión Bienal de la Real Sociedad Española de Física. Palacio de Congresos. València del 20 al 24 de Septiembre de 1999.

## **E) SYMPOSIUMS AND WORKSHOPS** (No. of contributions)

- 2003, October 28-30: **SPECTRA 2<sup>nd</sup> Workshop** (2). ESA, Estec, The Netherlands.
- 2003, October 27: **Scientific Analysis of DAISEX data Final Workshop** (3). ESA, Estec, The Netherlands.
- 2003, September 8-12: **SPIE's Remote Sensing 2003** (2). Barcelona, Spain.
- 2002, September 16-20: **1<sup>ST</sup> International Symposium on Recent Advances in Quantitative Remote Sensing** (3). Torrent, Spain.
- 2002, July 8-10: **LSA SAF Training Workshop** (4). Lisbon, Portugal.
- 2002, June 19-20: **I Workshop on Remote Sensing of Solar Induced Fluorescence**. ESA, Estec, The Netherlands.
- 2002, February 2-8: **3<sup>a</sup> Assembleia Luso-Espanhola de Geodesia-Geofísica** (2). Valencia, Spain.
- 2001, September 20-21: **IX Congreso Nacional de Teledetección** (3). Lleida, Spain.
- 2001, March 15-16: **DAISEX Final Workshop** (2). ESA, Estec, The Netherlands.
- 2001, January 8-12: **8<sup>th</sup> Symposium International on Physical Measurements and Signatures In Remote Sensing** (1). Aussois, France.
- 2000, September 25-29: **SPIE's Remote Sensing 2000** (2). Barcelona, Spain.
- 1999, September 20-24: **XXXVII Reunión Bial de La Real Sociedad Española de Física** (1). Valencia, Spain.
- 1999, September 22-24: **VIII Congreso Nacional de Teledetección** (1). Albacete, Spain.

## **F) PARTICIPATION IN RESEARCH PROJECTS**

<b>Project</b>	<b>Índices Direccionales y Espectrales para el análisis de la vegetación en zonas semiáridas. Aplicación a Sensores de nueva generación (IDEAS)</b>
Founding	Ministerio de Ciencia y Tecnología. CICYT
Main Research	Joaquín Meliá (UV)
Period of participation	2002-2003 (ends in 2006)

<b>Project</b>	<b>Satellite Application Facilities for Land Surface Analysis (LSA SAF)</b>
Founding	EUMETSAT
Main Research	Joaquín Meliá (UV)
Other participants	Instituto de Meteorología (IM, Portugal) IBIMET (Italy)
Period of participation	1999-2003 (ends in 2004)

<b>Project</b>	<b>Scientific Analysis of the ESA Airborne Multi-Annual Imaging Spectrometer Campaign DAISEX</b>
Founding	ESA-ESTEC Contract nº15343/01/NL/MM
Main research	José F. Moreno (UV)
Others participants	CESBIO (France), INRA (France)
Period of participation	2001-2003

<b>Project</b>	<b>VALidation of European Remote sensing Instrument (VALERI)</b>
Founding	Centre National d'Etudes Spatiales (CNES)
Main research	Frédéric Baret (INRA)
Other participants	MEDIAS (France), INTA (Argentina)
Period of participation	2003

<b>Project</b>	<b>Digital AIrborne Spectrometer EXperiment (DAISEX)</b>
Founding	ESA-ESTEC. Contract nº13390/01/NL/MM
Main research	José F. Moreno (UV)
Other participants	CESBIO (France), DLR (Germany)
Period of participation	1998-2000

<b>Project</b>	<b>RESMEDES SYnthesis of change detection parameters into a land-surface change indicator for long term desertification studies in the MEDiterranean area (RESYSMED)</b>
Founding	European Commission (EC) ENV4-CT97-0684
Main research	Joaquín Meliá (UV)
Period of participation	1998-2000

<b>Project</b>	<b>MEditerránea Desertification And Land USE (MEDALUS II)</b>
Founding	European Commission (EC) ENV4-CT95-0119
Main research	Joaquín Meliá (UV)
Period of participation	1998

### **G) FIELD CAMPAIGNS**

- 2003, July: FVC and LAI measurements (LICOR-2000, digital camera) in support of LSA SAF and VALERI validation activities. SPARC campaign (ESA). Barrax, Albacete, Spain.
- 2000, July: Field radiometry measurements for the validation of airborne sensors imagery, DAISEX'00 campaign (ESA). Barrax, Albacete, Spain.
- 1999, July: Field radiometry measurements for the validation of airborne sensors imagery. Field radiometry angular measurements, DAISEX'99 campaign (ESA). Barrax, Albacete, Spain.
- 1999, February-June: Field radiometry characterisation of Barley phenological evolution. RESYSMED (EC). Barrax, Albacete, Spain.

### **H) CONTRIBUTION TO PROJECT REPORTS**

- Meliá, J., F. Camacho-de Coca and F.J. García-Haro, (2003). Scientific Analysis of the ESA Airborne Multi-Annual Imaging Spectrometer Campaign DAISEX. **Retrieval of biophysical parameter from BRDF anisotropy and hot spot signatures (TASK 3)**, October 44 pp.
- Meliá, J., F. Camacho-de Coca and F.J. García-Haro, (2003). LSA SAF, MTR-2. **UV FVC & LAI Product Specification**. June, 21 pp.
- Meliá, J., F. Camacho-de Coca, F.J. García-Haro, (2003). LSA SAF, MTR-2. **UV FVC & LAI Scientific Prototyping Report**. June, 22 pp.

- Camacho-de Coca, F. and M. Leroy, (2003). **Evaluation of the DISMA prototyping algorithm for vegetation parameters retrieval on a global scale using the BRDF POLDER/ADEOS database.** LSA SAF Visiting Scientist Report, 39 pp.
- Meliá, J., F. Camacho-de Coca, F.J. García-Haro and B. Martínez, (2003). LSA SAF, University of Valencia, **Validation Plan 1.0**, 20 pp.
- Meliá, J., F. Camacho-de Coca, F.J. García-Haro, M.A. Gilabert, B. Martínez C. Conesse and R. Benedetti, (2002). LSA SAF, LayerIIID, **Prototyping document 1.0**, 22 pp.
- Meliá, J., F. Camacho-de Coca, F.J. García-Haro, M.A. Gilabert and B. Martínez, (2002). LSA SAF, University of Valencia, **Science Plan document 3.0**, 21 pp.
- Meliá, J., F. Camacho-de Coca, F.J. García-Haro and M.A. Gilabert, (2001). Scientific Analysis of the ESA Airborne Multi-Annual Imaging Spectrometer Campaign DAISEX. **Report of Radiometric Validation of the DAISEX airborne spectroradiometers**, 17 pp.
- Camacho-de Coca, F., M. Leroy and J.P. Gastellu-Etchegorry, (2001). **Report of Activities in CESBIO from June 1st to July 31th.** Generalitat Valenciana. 69 pp.
- Meliá J., M.A. Gilabert, F.J. García-Haro and F. Camacho-de Coca (2000). LSA SAF. **Science Plan document 2.0.** 18 pp.
- Meliá, J., M.A. Gilabert, F. Camacho-de Coca and B. Martinez, (2000). **Field radiometry measurements acquired during DAISEX'00**, 12 pp.
- Meliá J., M.A. Gilabert, F. Camacho-de Coca and M.T. Younis, (1999). **Field radiometry measurements acquired during DAISEX'99**, 9 pp.

## OTHERS

### **A) COMPUTER SCIENCE SKILLS**

- *Languages:* IDL, Fortran, MATLAB, HTML.
- *Operative Systems:* Windows XP, Linux, UNIX.
- *Software for RS:* ENVI, ArcVIEW, Adobe Photoshop.

### **B) EXPERTISE WITH INSTRUMENTATION**

- *Radiometers:* GER-3700, GER-SIRIS y EXOTECH.
- *LAI-meter:* Licor-2000.

### **C) EXPERTISE ON REMOTE SENSING**

- Laboratory and field radiometry.
- Ground measurements of vegetation properties in field campaigns (FVC and LAI).

- Digital image analysis of hyper-spectral and multi-angular optical data.
- Retrieval of BRDF, Directional Signatures and Hot Spot signatures from airborne and satellite POLDER data.
- BRDF characterization using kernel-driven models for normalization of anisotropy, and inputs (directional signatures) definition.
- Retrieval of biophysical parameters (FVC, and LAI) using different approaches (Vegetation Indices, Spectral Mixture Analysis, BRDF Model inversion).

#### **D) VISITING SCIENTIST STAYS**

- 2003, January-May: **4 months at MEDIAS-France**, Toulouse, France. Supervisor: Dr. Marc Leroy. Founding: Visiting Scientist of EUMETSAT. Topic: Evaluation of the DISMA prototyping algorithm using POLDER/ADEOS data.
- 2001, June-July: **2 months at CESBIO**, Toulouse, France. Supervisor: Dr. J.P. Gastellu-Etchegorry and Dr. Marc Leroy. Founding: *Generalitat Valenciana*. Topic: Simulation of hot spot directional signatures with DART.
- 2000, August: **1 month at DIG** (*Desarrollo Integral de Guanahacabibes*), Pinar del Río, Cuba. Supervisor: Julio Camacho. Topic: Implementation of remote sensing methods for the ecological management of the *Península de Guanahacabibes*' biosphere reserve.

#### **E) PARTICIPATION IN PROJECT MEETINGS**

- 2003, April 28-29: **8<sup>th</sup> Consortium LSA SAF Meeting**. IM, Lisbon, Portugal.
- 2003, April 1-3: **DAISEX bilateral meeting**. LSCE/CEA, Gif sur Yvette, Paris, France.
- 2003, March 21: **VALERI Meeting**. INRA, Avignon, France.
- 2002, December 3: **Second progress meeting DAISEX Analysis**. UV, Valencia, Spain.
- 2002, November 8: **LSA SAF Layer IIID Meeting**. UV, Valencia, Spain.
- 2002, November 5: **VALERI Meeting**. INRA, Avignon, France.
- 2002, October 14-15: **7<sup>th</sup> Consortium LSA SAF Meeting**. IM, Lisbon, Portugal.
- 2002, July 10-11: **6<sup>th</sup> Consortium LSA SAF Meeting**. IM, Lisbon, Portugal.
- 2002, June 21: **Mid-term review meeting DAISEX Analysis**. ESA, ESTEC, The Netherlands.
- 2001, December 20: **First Progress Meeting DAISEX Analysis**. UV, Valencia, Spain.
- 2001, November 9: **5<sup>th</sup> Consortium LSA SAF Meeting**, IM, Lisbon, Portugal.
- 2001, May 9-11: **4<sup>th</sup> Consortium LSA SAF Meeting**. Météo-France, Toulouse, France.
- 2000, September 20-21: **DAISEX'99 Preliminary results**. DLR, Munich, Germany.
- 2000, June 16-17: **LSA SAF Layer IIID Meeting**. IBIMET, Florence, Italy.