

Maria MIRA

DNI: 48289498D

ORCID: 0000-0002-9303-8301

Date of birth: 1982/10/23

Nationality: Spain

Contact address: UAB Dep. Geography, Building B,
Campus de Bellaterra, 08193 Bellaterra, Barcelona, SPAIN

Phone: +34 93 581 3273

Fax: +34 93 581 2001

Email: maria.mira@uab.cat



CURRENT PROFESSIONAL SITUATION

- **Employing entity:** Autonomous University of Barcelona (UAB)
Department: Dep. of Geography
Professional category: Postdoctoral contract "Juan de la Cierva" (3 years length) awarded by the Spanish Ministry of Economy and Competitiveness
Start date: 2014/12/15

PREVIOUS POSITIONS AND ACTIVITIES

1. **2013 Sept - 2014 Dec** Postdoctoral contract awarded by the French National Center for the Spatial Studies (CNES). Hosting center: Institut National de la Recherche Agronomique (INRA) – Avignon, France.
2. **2011 June - 2013 May** Postdoctoral Fellow "Vali+D" awarded by the Generalitat Valenciana from Spain. Hosting center: French National Center for the Agricultural Research (INRA) – Avignon, France.
3. **2007 May - 2010 Dec** Predoctoral Fellow "FPU" from the Spanish Ministry of Education and Science. Hosting center: Dep. of Earth Physics and Thermodynamics, University of Valencia.
4. **2007 Jan - April** Predoctoral Fellow "V Segles" from the University of Valencia. Hosting center: Dep. of Earth Physics and Thermodynamics, University of Valencia.
5. **2006 July - Dec** Laboral Contract as a Senior Research Technician. Hosting center: Dep. of Earth Physics and Thermodynamics, University of Valencia.
6. **2005 Nov - 2006 May** Fellow from the Dep. Of Earth Physics and Thermodynamics. Hosting center: Dep. of Earth Physics and Thermodynamics, University of Valencia.
7. **2004 Sept - 2005 Sept** Collaboration fellow for students in second cycle, granted by the Spanish Ministry of Education and Science. Hosting center: Dep. of Earth Physics and Thermodynamics, University of Valencia.

UNIVERSITY EDUCATION

- **2010 Ph.D.** in Physics from the University of Valencia (Spain).
- **2007 M.Sc.** in Physics from the University of Valencia (Spain).
- **2005** Postgraduate title of specialist in "Environmental and industrial applications of the remote sensing measure of temperature", 6th edition. Foundation University-Company of Valencia (ADEIT).
- **2005 B.Sc.** (first-class honors) in Physics from the University of Valencia (Spain).

LANGUAGE SKILLS

- **English** Highly proficient in spoken and written English
- **French** Very good command
- **Spanish** Native speaker
- **Catalan** Native speaker

PARTICIPATION IN R&D AND INNOVATION PROJECTS

1. **ACAPI** Global Change analysis of the Iberian Peninsula: A 1950-2030 climate and land cover integrated lab. Xavier Pons and Miquel Ninyerola (UAB). Spanish Ministry of Economy and Competitiveness. 2016/01/01-2018/12/31.
2. **EVA2-IRT** (v1.0, v2.0, v3.0) EVALuation des produits EVApotranspiration issus de l'Infra Rouge Thermique. Centre Nationale D'Études Spatiales (CNES). Albert Olioso (INRA). 01/04/2012-30/06/2015.
3. **SIRRIMED** Sustainable use of irrigation water in the Mediterranean region. European Commission under the EFP7 Cooperation Theme "Food, Fisheries and Biotechnologies". Juan José Alarcón Cabañero (INRA). 01/07/2010-31/12/2013.
4. **PROMETEO/2009/086**, El uso de la Teledetección para una mejor comprensión del cambio climático. Generalitat Valenciana. Vicente Caselles Miralles (University of Valencia). 01/07/2009-30/06/2013.
5. Traitement et application de séries temporelles d'images LANDSAT pour préparer l'utilisation de Venùs et Sentinel2. Centre Nationale D'Études Spatiales (CNES). Dominique Courault (INRA). 01/11/2011-31/01/2012.

SELECTED PUBLICATIONS IN ISI JOURNALS from last 5 years

1. **Mira M**, Olioso A, Gallego-Elvira B, Courault D, Garrigues S, Marloie O, Hagolle O, Guillevic P, & Boulet G (2016). Uncertainty assessment of surface net radiation derived from Landsat images. *Remote Sensing of Environment*, 175, 251-270.
2. **Mira M**, Weiss M, Baret F, Courault D, Hagolle O, Gallego-Elvira B, & Olioso A (2015). The MODIS (collection V006) BRDF/albedo product MCD43D: temporal course evaluated over agricultural landscape. *Remote Sensing of Environment*, 170, 216-228.
3. Gallego-Elvira B, Olioso A, **Mira M**, Reyes-Castillo S, Boulet G, Marloie O, Garrigues S, Courault D, Weiss M, Chauvelon P, Boutron O (2013). EVASPA (EVapotranspiration Assessment from SPACe) tool: and overview. *Procedia Environmental Sciences*, 19, 303-310. Open access: <http://www.sciencedirect.com/science/article/pii/S1878029613003058>
4. García-Santos V, Valor E, Caselles V, **Mira M**, Galve JM, & Coll C (2013). Evaluation of different methods to retrieve the hemispherical downwelling irradiance in the thermal infrared region for field measurements. *IEEE Transactions on Geoscience and Remote Sensing*, 99, 1-11.
5. Coll C, Valor E, Galve JM, **Mira M**, Bisquert M, García-Santos V, Caselles E, & Caselles V (2012). Long-term accuracy assessment of land surface temperatures derived from the Advanced Along-Track Scanning Radiometer. *Remote Sensing of Environment*, 116, 211-225.

TEACHING EXPERIENCE

- **Since 2014** Visiting teacher at the “Official Master in Remote Sensing and GIS” from the Autonomous University of Barcelona, Spain [20 hours].
- **2015** Teacher at the Bachelor’s degree “Geography and Planning” from the Autonomous University of Barcelona, Spain [64 hours].
- **Since 2011** Visiting teacher at the “Official Master in Remote Sensing” from the University of Valencia, Spain [80 hours].
- **2006-2011** Teacher at the postgraduate course “Environmental and industrial applications of the remote sensing measure of temperature” from the University of Valencia, Spain [72 hours].
- **2005-2010** Teacher at the Bachelor’s degrees “Chemistry”, “Nutrition and Dietetics”, and “Environmental Science” from the University of Valencia, Spain [120 hours].

EXPERIENCE SUPERVISING FINAL MASTER PROJECTS

Direction of Final Master Projects from the “Official Master in Remote Sensing and GIS” from the Autonomous University of Barcelona, Spain:

- **2014-2015** Student: *Mario Padial*. Qualification: Excellent.
- **2014-2015** Student: *Javier Gordillo*. Qualification: Excellent.
- **2013-2014** Student: *Edwin Peralta*. Qualification: Sufficient.

STAYS IN PUBLIC R&D CENTRES

- **2013 Sept - 2014 Feb** Post-doctoral stay at the “Institut National de la Recherche Agronomique” (INRA), Avignon (France) funded by the French National Center for Spatial Studies (CNES).
- **2011 Sept - 2013 May** Post-doctoral stay at the “Institut National de la Recherche Agronomique” (INRA), Avignon (France) funded by the Generalitat Valenciana (Spain).
- **2009 Sept - 2011 Nov** Pre-doctoral stay at the “Institut National de la Recherche Agronomique” (INRA), Bordeaux (France) funded by the Spanish Ministry of Education and Science.
- **2007 Dec - 2008 Jan** Pre-doctoral stay at the “New Mexico State University”, New Mexico (USA).
- **2005 Aug - 2005 Sept** Pre-doctoral stay at the “Johannes Gutenberg University” Mainz (Germany) funded by the Valencian Student Association in Germany.