

## **PERSONAL INFORMATION**

**Name:** Carlos Muedra Royo

**Address:** C/Artes Gráficas 6-5, Valencia, Spain, P. C.: 46010.

**Phone:** +34963625820

**Mobile:** +34676283428

**e-mail:** [carlos.muedra@gmail.com](mailto:carlos.muedra@gmail.com)



## **RESUME**

### **a) ACADEMIC RESUME**

- **(Nov-06/Present) PhD student** in the Department of Physical Geography of the University of Valencia (UV). Project Title: Reconstruction climate of Valencia. Multi-proxy study of the natural variability and their extreme manifestations between the XVIII and XXI.
- **(Ago-06/Dec-07) Aeronautic Meteorologist Certificate** given by the Meteorology State Agency (Spain).
- **(Nov-05/May-06)** Obtained a Certificate for Teaching Earth Sciences carried out by the UV.
- **(Nov-03/Oct-05) Master degree in Applied Climatology and Environment Science** carried out by the University of Barcelona (UB).
- **(Nov-03/Oct-05) PhD Student** in Earth Science and Climatology in the UB.
- **(Oct-97/Sep-02) First class degree in Earth Science.** Specialized in Environment and Climatology at the UV.

### **b) COURSES AND CONGRESS**

- **(Sep-07) Aeronautic Meteorology Protection data course** given by the Meteorology Spanish Agency.
- **(Oct-06)** IV Climatology Spanish Association Congress in Zaragoza.
- **(Jun-06) Aeronautic Meteorologist Course.** Meteorology Spanish Agency.
- **(May-06) Geophysical Research Abstract**, vol.8. EGU General Assembly 2006. ISSN: 1029-7006.
- **(Apr-06) Millennium Project Congress.** European climate of the last millennium (integrated EU project, IP 017008-2).
- **(Jun-04) II Summer course of the Spanish Association of Climatology.** Center for Studies of Mediterranean Environment (CEAM). Title: Methods and Techniques of climate risks assessments.
- **(Nov-03)** IX Meteorology Catalan Association Congress. Title: IX Eduard Fontserre Meteorological conferences. Research in connection with the cyclonic circulation and translation of hurricanes in Antilles.
- **(May-01)** II Climatology Spanish Association Congress. Title: The Weather Climate.

### **c) LANGUAGES**

- **Spanish/Catalan** Native speaker.
- **English: Fluent.** I worked for 12 months in Manchester.

### **d) COMPUTER SKILLS**

- In-depth knowledge of **Geographic Information Systems (GIS)** software: Golden Surfer, Arcgis and Microstation.
- Broad knowledge of **Remote Sensing** software: Idrisi.

- Great working knowledge of **Statistics software**: SPSS, Grapher, Statgraphics and Harvard Graphics.
- Microsoft office and internet proficiency.
- Basic knowledge of **Linux**.

## WORK EXPERIENCE

- **(Ago-06/Dec-07)** Worked as an **Aeronautic Meteorologist** in Fuerteventura's Airport for the Meteorology State Agency. The job description involved doing aeronautic weather forecast for aircrafts and air crew attention. In addition, tasks including meteorological data collection and control, administration and maintenance of weather stations were also carried out.
- **(Jan-2007/Dec-07)** Worked as a **Meteorology Technician** in Exitgeoconsult Company. Member of the Environmental and Meteorology Department. Job description: Meteorological assessment and development of meteorological and environmental reports.
- **(Mar-06/Jul-06)** Worked as a **Researcher** at the Regional Meteorological Center of Valencia. Job description: Compilation and analysis of climatological historical data from Valencia city.
- **(Apr-02/Jun-02)** Worked as an **Environmental Technician** in the Valencia Excursionist Center. Job Description: Development and improvement of an Environmental Inventory for the most emblematic mountains in Valencia.
- **(Jan-02/Jun-02)** Worked as a **Climatology Technician** in the Regional Meteorological Center of Valencia. Job description: Participated in the development of 12 monthly based maps for predicting the maximum daily rainfall exceeding 100mm in the period of 1971-2000. The data used was gathered from 350 different meteorological observatories in Valencia.

## RESEARCH ARTICLES

- **Muedra, C;** Barriendos, M. "Catastrophic floods from documentary sources and old instrumental data. Meteorological aspects and impacts for 19th century events in Barcelona and Valencia cities." XY0659. EGU06-A-03137; NH10.02-1TH2P-0659. Geophysical Research Abstract, vol.8, 2006. EGU General Assembly 2006. ISSN: 1029-7006.
- **Muedra, C.** "Climate and weather Reconstruction in Valencia. Summary analysis for six Turia's river flooding. S. (XVIII-XIX) Published in Spanish association of Climatology Congress (AEC). V Saragossa's Congress.
- Oliva, M.; Lopez-Bustins, JA; Barriendos, M; **Muedra, C.** and Martin-Vide, J. (2006). "Reconstruction of the historic swing of Western Mediterranean (WEM) and floods in eastern Peninsular (1500-2000)". By Cuadrats Prats, JM; Saz Sanchez, MA; Vincent Serrano, SM; Lanjeri, S.; De Luis Arrillaga, M. and Gonzalez-Hidalgo, J.C. (Eds): Climate, Environment and Society. Publications of the Spanish association of Climatology, ACS, A Series, No 5, 241-250.
- Nunez, J.A, **Muedra, C;** AUP Vincent. "The great cold wave in February of the 1956 in The Spanish Mediterranean". Weather Calendar 2007. INM. Ministry of Environment. Pp-267-277. Collaborations Section.

## OTHER INFORMATION

- Ability to travel.
- Ability to work within a team.
- Capacity to learn quickly.
- Responsible.
- Highly motivated.