

## CURRICULUM VITAE

SURNAME / NAME: Capa Morocho Mirian Irene.....

ID Number/ Passport

### **1 Academic degrees**

- Degree in Agricultural Engineering, Universidad Politécnica de Madrid, 2009
- Master's Degree. in Agricultural Engineering, Universidad Politécnica de Madrid, 2011

### **2 Academic and research professional experience**

- Project grants and contracts from 2011 to 2015 at Universidad Politécnica de Madrid

### **3 Participation in research projects**

2 National (Spanish) projects:

- MULTISCALE CLIMATE VARIABILITY. AGRICULTURAL AND ECONOMIC IMPACTS. Integrated Assessment of Climatic Hazards and Economic Risks: Adapting Agricultural Systems in Spain (CGL2012-38923-C02-01 and CGL2012-38923-C02-02). Period 2013-2015
- Minimising uncertainties of climate change impact and adaptation in the agricultural systems of the Iberian Peninsula. Tools for Scientific Support to Policies. MINUNIMAD: RE: AGL2008-00385/AGR. Period 2009-2012.

1 European Project

- Modelling European Agriculture with Climate Change for Food Security (MACSUR)."  
Funding: European Comission, Agriculture, Food Security and Climate Change" Joint Programme Initiative (FACCEJPI program) -INIA. Period: 2012-2015.

### **4 Publications**

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2012. Impactos de la variabilidad climática en los cultivos de verano en regadío mediterráneos. Spanish Association of Climatology Publications A-series. ISSN: 978-84-695-4331-3. 747-755.

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2014. Crop yield as a bioclimatic index of El Niño impact in Europe: crop forecast implications. Agricultural and Forest Meteorology (submitted). ISSN: 0168-1923

### **5 Conferences with Proceedings**

Capa-Morocho M., Ruiz-Ramos M. and Tarquis A.M., 2011. The influence of binarization threshold in soil percolation: relationships between soil physical properties. The American Geophysical Union Fall Meeting 2011, Poster number EP41C-0624, December 2011, San Francisco, California, USA

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2012. Climatic variability effects on summer cropping systems of the Iberian Peninsula. European Geosciences Union. General Assembly 2012. Oral presentation. April 2012, Vienna, Austria.

Capa-Morocho M., Ruiz-Ramos M and Rodríguez-Fonseca B. 2012. Methodological discussion for interdisciplinary project on the effects of climatic variability on cropping systems. European Geosciences Union. General Assembly 2012. Poster.13851. April 2012, Vienna, Austria.

Capa-Morocho M., Ruiz-Ramos M., Hapca SM., Houston A and TarquisA.M., 2012. Topology of a percolating soil pore network. European Geosciences Union. General Assembly 2012. Oral presentation. April 2012, Vienna, Austria.

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2012. Impact of climatic variability on Mediterranean summer cropping systems under irrigation. 8º Congreso Internacional: Cambio Climático, extremos e Impactos de la Asociación Española de Climatología. Oral presentation. September 2012, Salamanca, Spain.

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2012. El Niño impacts on maize production in Spain. MedCLIVAR 2012 Conference: The climate of the mediterranean región, undstanding its evolution and effects on environment and societies. Poster. September 2012, Madrid, Spain.

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2012. Climate variability impacts on summer cropping systems on the Iberian Peninsula. Hispano- Brasileño Conference. Oral presentation. November 2012, Madrid, Spain.

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2013. Improving simulation of El Niño Impacts on summer cropping systems of the Iberian Peninsula. . European Geosciences Union. General Assembly 2013. Poster. April 2013, Vienna, Austria.

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2014. The impact of large-scale circulation patterns on summer yields in IP. European Geosciences Union. General Assembly 2014. Oral presentation. April 2014, Vienna, Austria.

Capa-Morocho M., Rodríguez-Fonseca B. and Ruiz-Ramos M. 2014. Dynamical influences of El Niño on maize yield in Spain. MedCLIVAR 2014 Conference: Understanding climate evolution and effects on environment and societies in the world region. Oral presentation. Poster. June 2014, Ankara, Turkey.

#### **6 Awards**

- Certificate of excellence student during 2006-2007 courses, awarded by Comunidad de Madrid, Consejería de Educación.
- Best poster award at Session NH1.11: Hazard Risk Management in Agriculture and Agroecosystems, held in European Geoscience Union on April 12<sup>nd</sup>, 2013.

#### **7 Others**

- International technical course in "Ingeniería y Gestión Sostenible de Regadíos". Ministerio de Medio Ambiente y Medio Rural y Marino, Subdirección general de regadíos y economía del agua. 19/04/2010-08/07/2010. 400 hours.
- Lecturing: Collaboration in the subjects:
  - Grado en Ingeniería y Ciencia Agronómica: "Fitotecnia I. Bases de la producción vegetal" and "Fitotecnia II. Tecnología de la Producción Vegetal".
  - Grado en Ingeniería Alimentaria: "Fitotecnia. Bases y técnicas de la producción vegetal".
  - Grado en Ingeniería Agroambiental: "Fitotecnia. Bases y técnicas de la producción vegetal".
  - Máster en Tecnología para el Desarrollo Humano y la Cooperación: "Agricultura para el desarrollo", and "Medio Ambiente y Desarrollo Humano"

Authorized for academic years: 2013-2014 and 2014-2015 (60 hours).