CURRICULUM VITAE

MIGUEL ÁNGEL CAMPO BESCÓS

PERSONAL DATA

Nationality:	*Spanish*
Date of birth:	24th of September 1979
Place of birth:	*Huesca, Spain*
Address:	Department of Agricultural and Biological Engineering University of Florida 287 Frazier Rogers Hall P.O. Box 110570 Gainesville, FL 32611-0570
E-mail:	miguel.campo@ufl.edu
Phone:	+1 352 792 7922

PROFESIONAL PREPARATION

Universidad Pública de Navarra (Spain), Agricultural Engineering, B.S., M. S., 2005

Universidad Pública de Navarra (Spain), Rural and Environmental Engineering, Ph.D. 2011

At the present, taking first year in Computing Engineering, Universidad Nacional a Distancia (Spain).

Visiting scholar:

Universidad Nacional del Litoral, Santa Fe (Argentina), 3 months in 2003. Advisor Prof. Dr. Mario Schreider. Topic: Local erosion in bridge piers.

Massachusetts Institute of Technology, Department Civil and Environmental Engineering, 4 months in 2007 and 1 month in 2008. Advisor Prof. Dr. Rafael Bras. Topic: Modeling landscape evolution.

National Sedimentation Laboratory, Oxford, Mississippi. 1 week in 2007. Advisor Prof. Dr. Carlos Alonso. Topic: Data acquisition by photogrammetric techniques and modeling landscape evolution.

RESEARCH & TEACHING EXPERIENCE

February 2012 - At the present, Postdoctoral Research Associate, Dept. Agricultural and Biological Engineering, University of Florida. Gainesville, FL

January 2008 - February 2012, Assistant Professor: Dept. of Projects and Rural Engineering, Universidad Pública de Navarra (Spain). Teaching Fluids mechanics and Irrigation. 15-25 student class. Graduate advisor of 5 students.

March 2005 – December 2007 Pre-Doctoral Fellowship. Dept. of Projects and Rural Engineering, Universidad Pública de Navarra (Spain).

February 2004 - February 2005 Project Assistant. Project: "Evaluation of agricultural impact on water resources: an experimental approximation and predictive from the Experimental Basin Networks of the Navarre Government". Universidad Pública de Navarra (Spain).

AREAS OF SPECIALIZATION

My research interests are based on the study of environment interactions with geomorphology. In particular the interaction among; rainfall, land use, land cover and landscape evolution. Nowadays, one of the main topics I am focused in is stochastic rainfall modeling.

PUBLICATIONS

- Casalí, J., L. M. De Santisteban, J. J. López J. V. Giraldez, J. Poesen, M. Goñi, J. Loizu, **M. A. Campo**, 2005. Evaluation of Topographic Indices for Ephemeral-Gully Erosion Assessment. International Journal of Sediment Research, 20(4), 295-304.
- Casalí, J., J. Loizu, **M.A. Campo**, L. De Santisteban and J. Álvarez Álvarez, 2006. Accuracy of methods for field assessment of rill and ephemeral gully erosion. Catena, (2), 128-138.
- Casali, J., R. Gastesi, J. Álvarez-Mozos, L. M. De Santisteban, J. D. V. d. Lersundi, R. Giménez, A. Larrañaga, M. Goñi, U. Agirre, **M. A. Campo**, J. J. López, and M. Donézar, 2008. Runoff, erosion, and water quality of agricultural watersheds in central Navarre (Spain). Agricultural Water Management, 95, 111-1128.
- Giménez, R., I. Marzolff, **M.A. Campo**, M. Seeger, J. B. Ries, J. Casalí and J. Álvarez-Mozos. 2009. Accuracy of high-resolution photogrammetric measurements of gullies with contrasting morphology. Earth Surface Processes and Landforms 34(14), 1915-1926.
- Casalí, J., R. Giménez, J. Díez, J. Álvarez-Mozos, J. Del Valle de Lersundi, M. Goñi, **M. A. Campo**, Y. Chahor, R. Gastesi and J. J. López. 2010. Sediment production and water quality of watersheds with contrasting land use in Navarre. Agricultural Water Management, 97(10), 1683-1694.
- Alvarez-Mozos, J., **M. A. Campo**, R. Giménez, J. Casalí and U. Leibar, 2011. Implications of scale, slope, tillage operation and direction in the estimation of surface depression storage. Soil and Tillage Research, 11(2), 142-153.
- Y. Chahor, J.Casalí, R. Giménez, **M.A. Campo** and M. Goñi. Under review. Evaluation of the AnnAGNPS model for predicting runoff and sediment yield in a small Mediterranean watershed, in Navarre (Spain). Agricultural Water Management.

CONGRESS COMUNICATION (5 MORE RELEVANT)

Campo, M.A., J. Álvarez-Mozos, J. Casalí, R. Giménez, 2007. Effect of topography on retreat rate of different gully headcuts in Bardenas Reales (Navarre, Spain). Forth International Conference on Gully Erosion. . Ed. Javier Casalí y Rafael Giménez. ISBN 978-84-9769-198-7. Pamplona, España.

Campo, M.A., J.C. Cirauqui and J.J. López, 2008. Application of a stochastic rainfall model for disaggregation. European Geosciences Union General Assembly. ISSN: 1029-7006, Vol. 10, EGU2008-A-11799. Viena, Austria.

Campo, M.A., A. Sordo, D.González-Zeas, J.C. Cirauqui, L. Garrote and J.J. López, 2009. Application of a stochastic rainfall model in flood risk assessment. European Geosciences Union General Assembly. Vol 11, EGU2009-7977. Viena, Austria.

Campo, M.A., Flores-Cervantes, J.H., Bras, R.L. and J. Casalí. 2010. Evaluation of CHILD model for simulating gully development with field data set. Advisory Committee on Water Information, ACWI's Subcommittees on Hydr. & Sed. 2nd Joint Federal Interagency Conference on Sedimentation and Hydrologic Modeling. Las Vegas, Nevada.

Campo M.A., J. Casalí and R. Gimenez, 2011. Linking gully erosion and rainfall erosivity. International Symposium on Erosion and Landscape Evolution. Anchorage, Alaska.

PROJECTS PARTICIPATION

Co-investigator in 15 projects, 5 more relevant:

- Evaluation of agricultural impact on water resources: an experimental approximation and predictive from the Experimental Basin Networks of the Navarre Government. Science and Education Department, Spain. Period 2004-2006. 132.000€
- Soil erosion in the Bardenas Reales Natural Park, characterization of permanent drainage

network evolution. Government of Navarre. Period 2006-2007. 30.000€

- Applicability of Quad-Pol RADARSAT-2 data for water quality modeling. Canadian Space Agency. Period 2006-2009. 15.000€
- Evaluation of runoff and soil erosion in agricultural areas through hydrologic simulation tools. Science and Education Department, Spain. Period 2007-2010. 255.000€
- Vulnerability, impacts and adaptation to climate change over water resources in Latin America. Science and Education Department, Spain. Period 2010-2013. 95.000€
- Global Sensitivity and Uncertainty Analysis in the Evaluation of Social-Ecological Resilience: Theoretical Debates Over Infrastructure Impacts on Livelihoods and Forest Change. NSF project, USA. Period 2012-At present.

ADITIONAL EDUCATION

3D STUDIO MAX Animation, October-November 2005, 50 hours.

Visual Basic Programming Language. March-July 2003, 409 hours.

Frontiers in surface hydrology in the 21th Century. Menéndez Pelayo Internacional University, Valencia, Spain. July 2003, 30 hours. Lecturer: Dr. Ignacio Rodríguez-Iturbe.

Management of natural resources: dynamic simulation by computer (Vensim). University of the Basque Country. July 2004, 30 hours.

Tools for the analysis of water resources and hidroclimatic variables. University of Castilla-La Mancha, Ciudad Real, Spain, May 2005, 30 hours. Lecture: Dr. Juan Valdes.

Water and Environment: from Plants to Landscapes. Harvard University and Puerto Rico University, San Juan, Puerto Rico, USA. Two weeks in January 2007. Fellowship by David Rockefeller Center for Latin American Studies, Harvard University.

Basic ASP.net. October-November 2011. 30 hours.

ADWARDS

Introduction to Research, 2003. Universidad Pública de Navarra.

Predoctoral fellowship, 2005. Universidad Pública de Navarra.

Predoctoral felloship, 2005. Science and Education Department, Spain.

Best 25 students transcript of "Caja Rural de Huesca" Bank, academic years 2000/2001 and 2001/2002.

COLLABORATORS

Dr. Rafael Bras, Dept. Civil Engineering and Environmental, MIT, Cambridge, USA. At the present Provost and Executive Vice President for Academic Affairs, Georgia Institute of Technology, Atlanta, GA.

Dr. Homero Flores-Cervantes. Dept. of Civil and Environmental Engineering, University of Washington, Seattle, WA.

Dr. Rafael Muñoz-Carpena. Dept. of Agricultural and Biological Engineering, University of Florida. Gainesville, FL.

Dr. Juan Valdes. Director of SAHRA, Dept. of Hydrology and Water Resources. University of Arizona, Tucson, AZ.

Dr. Luis Garrote, Dept. Civil Engineering: Hydraulic and Energetic, Universidad Politécnica de Madrid, Madrid, Spain.

Dr. Juan Vicente Giráldez, Dept. Agronomy, Universidad de Córdoba, Spain.

Dr. José Antonio Martínez Casasnovas, Universidad de Lleida, Spain.

COMPUTER KNOWLAGE

	User	Expert
EndNote	X	
AutoCAD	X	
PCIGeomatics	X	
GIS (Arview 3.2, ArcGIS 9.2, MapWindow,...)	X	
3D Studio MAX	X	
SigmaPlot	X	
Gnuplot	X	
Programming:		
- Visual Basic		X
- Fortran	X	
- Matlab		X
- C++	X	
- ASP.net	X	