International Journal of Agricultural and Environmental Information Systems

July-September 2015, Vol. 6, No. 3

Table of Contents

RESEARCH ARTICLES

1 Characterization and Combination of Agronomical Entities in Accordance with Spatial and Quantitative Imprecision

Karima Zayrit, CReSTIC, University of Reims Champagne Ardenne, Reims, France Eric Desjardin, CReSTIC, University of Reims Champagne Ardenne, Reims, France Cyril de Runz, CReSTIC, University of Reims Champagne Ardenne, Reims, France Herman Akdag, LIASD, University of Paris 8, Paris, France

17 Effect of Petroleum Pricing on Agricultural Production in Nigeria: An Error Correction Modeling Approach

Isaac B. Oluwatayo, Department of Agricultural Economics and Animal Production, University of Limpopo,

Sovenga, South Africa

Henrietta U. Ukpe, Department of Agricultural Economics, University of Ibadan, Ibadan, Nigeria

29 New Design Approach to Handle Spatial Vagueness in Spatial OLAP Datacubes: Application to Agrienvironmental Data

Elodie Edoh-Alove, Irstea Centre de Clermont-Ferrand, Aubière, France & Centre de Recherche en Géomatique et Département des Sciences Géomatique, Université Laval, Quebec, Canada

Sandro Bimonte, Irstea Centre de Clermont-Ferrand, Aubière, France François Pinet, Irstea Centre de Clermont-Ferrand, Aubière, France

Yvan Bédard, Centre de Recherche en Géomatique et Département des Sciences Géomatique, Université Laval, Ouebec, Canada

50 Towards The Use of Probabilistic Spatial Relation Databases in Business Process Modeling

Haizhou Li, LIMOS, Université Blaise Pascal, Aubière, France François Pinet, Irstea Centre de Clermont-Ferrand, Aubière, France Farouk Toumani, LIMOS, Université Blaise Pascal, Aubière, France

63 The Effect Degree Analysis of Human Activities on Regional Groundwater Level Based on Variable Fuzzy Optimization Model

Dong Liu, School of Water Conservancy & Civil Engineering, Northeast Agricultural University, Harbin, China Wenting Liu, School of Water Conservancy & Civil Engineering, Northeast Agricultural University, Harbin, China Tianqi Luo, School of Water Conservancy & Civil Engineering, Northeast Agricultural University, Harbin, China

Copyright

The International Journal of Agricultural and Environmental Information Systems (IJAEIS) (ISSN 1947-3192; eISSN 1947-3206), Copyright © 2015 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Agricultural and Environmental Information Systems is indexed or listed in the following: Bacon's Media Directory; Compendex (Elsevier Engineering Index); DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory