

## CURRICULUM VITAE - RICHARD JAMES HEWITT

### PERSONAL DETAILS

**Email address:** richard.hewitt@uah.es

### RECENT CAREER SUMMARY (2005-)

- 2010-11        **Research Officer**, DUSPANAC project, Department of Geography, University of Alcalá. The project explores land use dynamics and its drivers, such as agricultural intensification/extensification and climate change within Spanish national parks. We aim to engage stakeholder communities and develop practical recommendations for future management of national parks.
- 2009-10        **Research Assistant (GIS Analyst)** Department of Projects and Rural Planning, School of Agronomy, Madrid Polytechnic University (UPM) and Department of Geography, Madrid Complutense University (UCM). Construction of a Spatial Decision Support System for use in Intergraph GeoMedia 6 by the Department for Rural Development of the Government of Madrid (UPM) and GIS analysis of land use change between 2000 and 2006 in Madrid from orthophotos (UCM).
- 2008 -         **PhD Candidate** Department of Geography, University of Alcalá, Alcalá de Henares, Madrid. My research addresses the human impacts on natural systems in a number of Spanish case study areas, particularly the Spanish network of national parks. I employ land use modelling techniques such as cellular automata (CA) to develop future land use scenarios.
- 2005-8         **Researcher and Projects Manager**, North Pennines Archaeology and Archaeological Research Services Ltd: Director of archaeological projects, competitive tendering and client liaison (North Pennines Archaeology); responsible for coordination and execution of County Durham aggregates and archaeology project, funded through the Aggregates Levy Sustainability Fund, ALSF (£350,000 value). I authored of a major research monograph *An Archaeological Assessment of County Durham* (see publications) and contributed to several conferences, journals, magazines and websites (see publications and conferences)

### PUBLICATIONS

#### **Books**

**Hewitt R**, Brightman, J., Mason, D., Petts, D., Radford, S., Vyner, B., and Waddington, C. (2011) *An Archaeological Assessment of County Durham: the aggregate producing areas*. Durham County Council, Durham, UK.

#### **Peer-reviewed publications**

**Hewitt, R**, Hernandez Jimenez, V, Encinas, M.A., and Escobar, P. (2012) Land use modelling and the role of stakeholders in natural protected areas: the case of Doñana national park, Spain, *Proceedings of the Institute of Environmental Modelling and Software (iEMSs)*. 1 - 5 July 2012, Leipzig, Germany. (peer-reviewed short paper, revised version accepted May 2012).

**Hewitt, R**, (2012). Cells but not cities: building a cellular automata land use model for the Doñana natural area, SW Spain, *proceedings of International Symposium on Cellular Automata Modeling for Urban and Spatial Systems* (peer-reviewed short paper, submitted March 2012)

**Hewitt, R**, Escobar (in prep), Los cambios recientes en la ocupación del suelo de los parques nacionales españoles, una aproximación general de la base de datos de corine land cover 1990-2000-2006.

**Hewitt, R.** & Escobar, F., (2011). The territorial dynamics of fast-growing regions: Unsustainable land use change and future policy challenges in Madrid, Spain. *Applied Geography*, 31(2), pp.650-667.

**Hewitt, R.** and Hernandez Jimenez, V. (2010) Devolved regions, fragmented landscapes; the struggle for sustainability in Madrid. *Sustainability* 2010, 2(5), 1252-1281. <http://www.mdpi.com/2071-1050/2/5/1252/>

Allen, P.P., **Hewitt, R.**, Doran, P. and Obryck, M.(in prep), Post depositional sediment transport dynamics on an ice-covered lake: The "floating" boulders of Lake Hoare, Antarctica. Gates, T and **Hewitt, R** (2008) Some Newly Identified Roman Temporary Camps in Northumberland and their Relation to the Devil's Causeway *Archaeologia Aeliana* series 5, number 37

### **Magazine articles**

**Hewitt, R** (2008), Landscape and Settlement in County Durham: the County Durham Archaeological Assessment Project Phase II. *Archaeology County Durham* (magazine) No. 3

**Hewitt, R**, Pallant G, and Radford, S, (2007). Archaeology of a forgotten landscape. Air survey and landscape archaeology in County Durham. *AARGnews* 35 (September 2007)

**Hewitt, R.** (2007) Assessing the archaeology of aggregates in County Durham. *Archaeology County Durham* (magazine) No. 2

### **Conference communications and abstracts**

**Hewitt, R**, and Escobar, F. (2012), Agentes, escenarios y autómatas celulares; modelización espacial para la toma de decisiones en Doñana y su entorno, (abstract accepted April 2012), XV Congreso Nacional de Las Tecnologías de Información Geográfica en el contexto del Cambio Global, Consejo Superior de Investigaciones Científicas (CSIC), Madrid, 19-21 September 2012, Madrid.

Díaz, J., and **Hewitt, R.** (2012), Modelado de cambios de usos de suelo urbano a través de redes neuronales artificiales. Comparando dos aplicaciones de software, (abstract accepted April 2012), XV Congreso Nacional de Las Tecnologías de Información Geográfica en el contexto del Cambio Global, Consejo Superior de Investigaciones Científicas (CSIC), Madrid, 19-21 September 2012, Madrid.

**Hewitt, R**, Hernandez Jimenez, V, Encinas, M.A., and Escobar, P. (2011) Land use modelling and the role of stakeholders in natural protected areas: the case of Doñana national park, Spain (abstract, accepted jan 2012). 6th International Congress on Environmental Modelling and Software (iEMSs). 1 - 5 July 2012, Leipzig, Germany.

Diaz, J. and **Hewitt, R.** (2010). El territorio como bien de consumo: las grandes superficies comerciales en el contexto metropolitano y su implicación para el desarrollo urbano sostenible. Full communication, National Scientific Research Council Congress: "Ciudad, territorio y paisaje: una mirada multidisciplinar", Madrid 5-7 May 2010

**Hewitt, R.** (2007) Managing Archaeological Resources at the Landscape Scale, published conference abstract, CAA Conference 2007 (Computer Applications and Quantitative Methods in Archaeology), Freie Universität, Berlin.

### **PUBLIC LECTURES, CONFERENCES AND TALKS**

**5-7 May 2010** El territorio como bien de consumo: las grandes superficies comerciales en el contexto metropolitano y su implicación para el desarrollo urbano sostenible. National Scientific Research Council Congress: "Ciudad, territorio y paisaje: una mirada multidisciplinar", Madrid (Diaz, J. and Hewitt, R).

**11-14 May 2008.** (Collaborator) "When the city grows up" ,the First workshops of analysis and reflection on the land planning model in the Madrid Autonomous Community: <http://www.ppr.etsia.upm.es/jornadas/principal.php>

**8th March 2008** - " The Hidden Prehistory of County Durham, Settlement and Land use c. 12000 BC – c.70 AD" Public lecture, Durham Archaeology Day, County Hall, Durham.

**10th October 2007** - "Archaeology and landscape management. Working in archaeology today" Lecture to Northumbria University students on Geography and Environmental Management degree course.

**4-7th April 2007** - "Managing Archaeological Resources at the Landscape Scale" CAA Conference 2007 (Computer Applications and Quantitative Methods in Archaeology), Freie Universität, Berlin.

**10th March 2007** - "The County Durham Archaeological Assessment - Archaeology of Aggregates, archaeology, sustainability in County Durham" Public lecture, Durham Archaeology Day, County Hall, Durham.

**6th May 2006** – Work group for presentation of historic management guidance and GIS outputs from the Till/Tweed Project, Northumberland. County Hall, Morpeth.

### **Websites**

**2011** (Web designer and project researcher). DUSPANAC: Modelling land use dynamics in the Spanish network of National Parks and their hinterland. Under construction.

**2009** (Web designer and organising member). First workshops of analysis and reflection on the land planning model in the Madrid Autonomous Community:  
<http://www.ppr.etsia.upm.es/jornadas/principal.php>

**2007** (contributor) “The County Durham Archaeological Assessment through ALSF”  
<http://www.durham.gov.uk/durhamcc/usp.nsf/pws/archaeology+-+archaeology-projects-aggregates+levy+sustainability+fund+alsf>

**2006** “Durham - Assessment of Archaeological resource in Aggregate Areas ”  
<http://www.english-heritage.org.uk/server/show/ConWebDoc.7121>

**2003-4** (contributor) The Northumberland National Park Historic Villages Atlas Project.  
<http://www.northumberlandnationalpark.org.uk/understanding/historyarchaeology/historicvillagesatlas.htm>

### **EDUCATION**

- **(October 2008 – present.)** PhD Candidate, Department of Geography, University of Alcalá, Alcalá de Henares, Spain, Supervisor: Dr. Francisco Escobar
- **(2006-2008)** Open University courses:, MST121 Using mathematics (15 ECT credits) Pass (69%), , MU120 Open mathematics (15 ECT credits) Pass (94%)  
Department of Mathematics, Open University, UK.
- **(2002-5)** Master of Letters (MLitt), Geographical Information Systems and Archaeology Awarded with Distinction. University of Newcastle upon Tyne, UK
- **(1994-7)** Bachelor of Science (BSc), Archaeology,  
Awarded with upper second class honours, 2:1  
Institute of Archaeology, University College, London

### **OTHER INTERESTS**

I have a strong interest Natural Sciences and I enjoy the outdoors, particularly rock climbing and hill walking. I love to travel and to get to know other cultures, and I am fascinated by Languages. I have travelled widely, especially in the middle east. I have worked as an archaeologist in Jordan, eastern Turkey and Lebanon, as well as in Barbados, Russia, Germany and Spain. I would welcome any opportunity to travel further as part of my career.