



CURRICULUM VITAE

JAMES MARTIN

B.Sc. (Hons.), M.Sc., Ph.D, MCIEEM

EDUCATION

- 1994 – 1998 Trinity College Dublin
Ph.D. Thesis title: “A species-based approach to the conservation of Ireland's threatened vascular plant species, using complementary *in situ* and *ex situ* methodologies”
- 1993 – 1994 University of Birmingham
M.Sc. (Distinction). Course title “The Conservation and Utilisation of Plant Genetic Resources”
- 1990 – 1993 University of Birmingham
B.Sc. (Hons) in Biological Sciences (2:1 Degree)

CAREER HISTORY

Managing Director, BEC Consultants Ltd.

(2003 – present)

I have 19 years' experience as an ecologist and have been a Senior Ecologist and Managing Director of BEC Consultants since 2003. During my time with BEC Consultants I have led a number of large-scale national ecological projects. I have also completed projects within a number of ecological disciplines including restoration ecology, Appropriate Assessment, Environmental Impact Statement, habitat mapping using GIS, and botanical surveys recording data using Turboveg. A selection of the projects are listed below:

- *Irish Semi-natural Grasslands Survey (2007-2013)*: Project Manager/Senior Ecologist. I was one of the senior field ecologists that collected the botanical and habitat data for this National Parks & Wildlife Service (NPWS) funded project that ran from 2007 to 2013. I led the team that analysed the data and co-wrote the annual/regional project reports and I am co-author on the national report that summarised the data collected from the 1,192 semi-natural grassland sites. I presented preliminary results from the project at the 2012 European Vegetation Scientist's conference and have published preliminary data on HNV meadows.
- *Galway City Transport Project (2013-2014)*: Senior Ecologist. Conducted mapping and assessment in the field of a range of vegetation communities including limestone pavement, heath, scrub, woodland, fen, swamp, blanket bog, transition mire, wet grassland and calcareous grassland. Analysed all data to confirm the classification of each relevé and polygon to a Fossitt habitat and vegetation community, all relevés were also assessed for Annex I status and where relevant were classified as such.
- *Appropriate Assessments (2014)*: Project Manager/Senior Ecologist. During 2014 I conducted two appropriate assessments (AA) for architects in Co. Dublin. The AAs involved site visits which described the fauna and flora at the sites and reporting which followed the guidelines of the Department of the Environment, Heritage and Local Government.
- *National Survey of Upland Habitats (2014)*: Surveyor. Participated in the survey of the Slieve Mish and Caha Mountains. Duties included mapping polygons of upland habitats and recording the cover of all vegetation types, including wet heath, blanket bog and flush communities that

corresponded to EU Annex I habitats. Relevés were also recorded within different examples of each vegetation community.

- *National Survey of Native Woodland (2003-2008)*: Project Manager/Senior Ecologist. BEC Consultants organised this large, multidisciplinary project from February 2003 through to March 2008. The project involved field ecology, GIS technology, soil analysis and statistical data analysis. I was a member of the team of ecologists that collected the field data on trees, shrubs, herbs, ferns, mosses, liverworts and lichens along with important structural and regeneration data for the 1,320 woodland sites that were surveyed.
- *Survey of Rare/Threatened and Scarce Vascular Plants of Counties Cavan, Louth, Meath, Monaghan and Westmeath (2006)*: Project Manager/Senior Ecologist. In 2006 I conducted a re-survey of known records for rare, threatened and scarce vascular plants within the five counties, producing an individual report on the status of these species for each county.

Ecologist, Dúchas

(May 2002 – Dec 2002)

I was part of a team compiling Natura 2000 forms and preparing technical information for the designation of raised bog NHAs.

National Agricultural Research Institute, Guyana

(2000 – 2002)

Instigating research projects that would contribute to biological research and development in Guyana.

Post-doctoral Researcher, Teagasc, Kinsealy Research Station

(1999 – 2000)

This position involved investigating the use of molecular markers to map oak diversity in Ireland.

SKILLS & ADDITIONAL INFORMATION

Technical skills

- Highly experienced in field survey techniques and flora/fauna identification, particularly producing Fossitt (2000) habitat maps, vegetation community mapping and the mapping and assessment of EU Annex I habitats. Excellent data analysis and report writing skills.

Computer skills

- High level of computer proficiency including Microsoft Word, Excel, Access, Power Point and ArcMap GIS.

Membership of Professional Organisations

- A member of the Chartered Institute of Ecology and Environmental Management (CIEEM) and the British Ecological Society

SELECTED PUBLICATIONS & REPORTS

O'Neill, F.H., **Martin, J.R.**, Devaney, F.M. & Perrin, P.M. (2013) The Irish semi-natural grasslands survey 2007-2012. *Irish Wildlife Manuals*, No. 78. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Ireland.

Martin, J.R. & O'Neill, F.H. (2011). High nature value meadows: results from a national grassland survey. In Teagasc Biodiversity Conference Proceedings. *Conserving Farmland Biodiversity: Lessons Learned & Future Prospects*. 25-26 May 2011. Eds. Ó hUallacháin, D. & Finn, J. Teagasc, Carlow: 28-29.