



## 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). Thesis 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 18 years experience as an ecologist and have been a Senior Ecologist and Managing Director of BEC Consultants since 2003. Over the last 10 years I have successfully managed this SME according to sound ecological and environmental principles. As Managing Director I have overall responsibility for staff management, recruitment and company development, and sit on the Senior Management Team and Health and Safety Committee. 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 Statements, habitat mapping using GIS, and botanical surveys recording data using Turboveg. A selection of the projects are listed below:

- *Irish Semi-natural Grasslands Survey* - 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 which 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 Survey conference and have published preliminary data on High Nature Value meadows.
- *Habitat Survey and Population Assessments for Rare Molluscs at Selected Sites* - Project Director. This NPWS-funded project was aimed at confirming the presence of four rare mollusc species (*Vertigo geyeri*, *Vertigo moulinsiana*, *Oxyloma sarsii* and *Omphiscola glabra*) at a number of sites and assessing their populations. Field surveys were carried out at wetland sites across six counties. I attended the first field visit to contribute towards data collection and to help finalise methodology. I had overall responsibility for delivery of the project and also reviewed the final project report.
- *National Survey of Native Woodlands* - Project Manager/Senior Ecologist. BEC Consultants organised this large, multidisciplinary project from 2003 to 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. I was also overall project manager for the project and co-author on each of the annual reports and the final national report.

- *National Platform for Biodiversity Research* - Project Director. This project is currently in its third phase (2012-2014) and I was also Project Director for phases 1 and 2 (2003-2006 and 2009-2012). The project aims to represent Ireland within the EPBRS (European Platform for Biodiversity Research) and also contribute to the policy-science interface for biodiversity research.
- *KNEU (Knowledge Network for European Expertise on Biodiversity and Ecosystem Services)* - Partner. BEC Consultants are a partner in this European scale FP7 project. I wrote a review of multifunctional floodplain management in Ireland that contributed to one of the final project publications (Schindler *et al.* in review).
- *UK Iteach Subject Knowledge Enhancement Programme* - Project Manager/Senior Ecologist. The aim of this project was to write the content for online plant biology lectures that were to be utilised in the training of science teachers in the UK. I managed the project and contributed to the lecture content.
- *Conservation of the Protected Species Irish Fleabane (Inula salicina): A Flagship Species for the Biodiversity of Lough Derg* - Project Manager/Senior Ecologist. This project was funded by the Heritage Council in 2006 and organised in partnership with the National Botanic Gardens and NPWS. The project contributed to the conservation of the species by enhancing the *ex situ* collection of plants, raising awareness of the threatened status of the species among the local community and conducting experimental translocations of the plant into suitable locations on Lough Derg.
- *Survey of Rare, Threatened and Scarce Vascular Plants of Counties Cavan, Louth, Meath, Monaghan and Westmeath* – 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)

This position with Voluntary Services Overseas investigated 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 and the mapping and assessment of EU Annex I habitats. Excellent report writing skills.

#### **Computer skills**

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

### Training skills

- Experience of organising training courses and workshops, writing training material including papers, e-learning interactive lectures, booklets and radio scripts. Also co-led a Trinity College Dublin expedition to South America.

### Membership of Professional Organisations

- A member of the Chartered Institute of Ecology and Environmental Management (CIEEM), British Ecological Society and International Association for Vegetation Science.

### SELECTED PUBLICATIONS & REPORTS

O'Neill, F.H., **Martin, J.R.**, Devaney, F.M., McNutt, K.E., Perrin, P.M. & Delaney, A. (2010) *Irish Semi-natural Grasslands Survey Annual Report No. 3: Counties Donegal, Dublin, Kildare & Sligo*. Report submitted to the National Parks & Wildlife Service, Dublin.

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.

O'Neill, F.H., **Martin, J.R.**, Perrin, P.M., Delaney, A., McNutt, K.E. & Devaney, F.M. (2009) *Irish Semi-natural Grasslands Survey Annual Report No. 2: Counties Cavan, Leitrim, Longford & Monaghan*. Report submitted to the National Parks and Wildlife Service.

**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.

Schindler, S., O'Neill, F.H., Biró, M., Damm, C., Gasso, V., Kanka, R., Krug, A., Lauwaars, S.G., Sebesvari, Z., van der Sluis, T., Pusch, M., Baranovsky, B., Ehlert, T., Neukirchen, B., **Martin, J.R.**, Euller, K., Mauerhofer, V. & Wrška, T. Multifunctional floodplain management and biodiversity effects: evidence from six European countries. *Journal of Nature Conservation* (in review).