



CURRICULUM VITAE

Jenni Roche B.A. Mod., Dip. EIA Mgmt., Dip. Stat., Ph.D., MIEEM

EDUCATION

- 2005 – 2009 Trinity College Dublin, Ph.D.
The vegetation ecology and native status of Scots pine (*Pinus sylvestris* L.) in Ireland
- 2006 – 2007 Trinity College Dublin, Postgraduate Diploma in Statistics
- 2004 University College Dublin, Diploma in Environmental Impact Assessment Management
- 1999 – 2003 Trinity College Dublin, B.A. Mod. (1st Class Honours.) Environmental Science
Thesis: An investigation of the effects of turf cutting by hand on the vegetation of lowland blanket bog in Connemara National Park

CAREER HISTORY

2009 - present Consultant Ecologist, BEC Consultants

Project and personnel management, field survey team leader, flora and fauna surveys in a wide range of habitats, vegetation classification, relevé recording, conservation assessment of Annex I habitats, digital habitat mapping, paper and report writing, tender writing, website management, client liaison, conference presentations and policy submissions.

Projects include National Survey of Upland Habitats, Ancient and Long-established Woodlands of Co. Cork, Irish Semi-natural Grasslands Survey, Woodland Monitoring Survey.

2006 - 2008 Freelance Ecological Consultant

Lead Ecologist on Arcadia Amongst the Ruins project for Leitrim Sculpture Centre

Assistant Ecologist on Mitigation Measures for the Legally Protected Species Meadow Barley (*Hordeum secalinum*) project for BEC Consultants

2006 - 2009 Demonstrator, Trinity College Dublin

Demonstration of field, laboratory and data analysis techniques to undergraduate students of Biology, Plant Community Ecology and Palaeoecology

2004 - 2005 Assistant Ecologist, BEC Consultants

Flora and fauna surveys in a variety of habitats, site selection, relevé recording, habitat mapping, data entry, data analysis, report writing, tender writing, client liaison and conference presentations.

Projects included National Survey of Native Woodlands, Conservation of the Rare Plant Species Meadow Barley in the Waterford Region, Rare Vascular Plant Records Database.

2004 Guide/Information Officer, National Botanic Gardens

Leading guided walks and providing environmental education

2004 Environmental Laboratory Technician, Alcontrol Geochem

Preparation and testing of water and soil samples for contamination by organic solvents

2003 Researcher, National Parks & Wildlife Service, Burren National Park

Student bursary involving vegetation surveys, relevé recording, bat surveys, data analysis, data entry, report writing and accompanying conservation officers on monitoring duties.

2002 Researcher, Dúchas, Connemara National Park

Student bursary involving field and desk research for B.A. Mod. Thesis and leading guided walks

2001 Researcher, Environmental Protection Agency, Integrated Pollution Prevention and Control Division

Student placement involving analysis of quality of waste and pollutant emission data submissions, report writing, data entry and attending site inspections

SKILLS & ADDITIONAL INFORMATION

- Experienced field ecologist with excellent survey and plant identification skills, including bryophytes and lichens
- Full, clean driving license and own vehicle
- Experienced user of Microsoft Office, Arc GIS, EndNote and data analysis software such as PC-ORD, DataDesk and SPSS
- Proficient in multivariate analysis and classification of vegetation communities
- Expertise in palaeoecological techniques, particularly pollen analysis
- Experienced in writing reports, articles and peer-reviewed papers in international journals
- Experienced public speaker, having delivered guided walks, workshops, lectures, seminars and oral and poster presentations at national and international conferences
- Safe Pass and Occupational First Aid qualifications
- Conversational Irish
- Awards include Quaternary Research Fund Grant (2010); IQUA Postgraduate Prize (2010); BES Student Conference Grant (2008); ESAI Photography Competition Winner (2007); Prof. D.A. Webb Memorial Travel Scholarship (2007); Trinity Trust Travel Grant (2006, 2008); IRCSET Postgraduate Scholarship (2005); Trinity College Entrance Exhibition (1999)
- Chairperson of the Organising Committee of the Postgraduate Ecology Forum 2008
- Member of the Board of Directors of the Irish Peatland Conservation Council 2010 – present
- Member of the uplands, peatlands and wetlands working group of the Irish National Platform for Biodiversity Research
- Full member of Institute of Ecology and Environmental Management
- Member of British Bryological Society, British Ecological Society, British Lichen Society, Dublin Naturalists' Field Club, Irish Quaternary Association, Quaternary Research Association

SELECTED PUBLICATIONS

- Roche, J.R.** (2011) New records for *Diphasiastrum alpinum* L. (Holub) and their implications for the species' conservation status in Ireland. *Irish Botanical News* **No. 21** 16-20.
- Roche, J.R.** & Perrin, P.M. (2011) A new county record for alpine clubmoss (*Diphasiastrum alpinum*) from the Comeragh Mountains, Co. Waterford (H6). *Irish Naturalists' Journal* **31** (2) 149-150.
- Perrin, P.M., Barron, S.J., **Roche, J.R.** & O'Hanrahan, B. 2010. Guidelines for a national survey and conservation assessment of upland vegetation and habitats in Ireland. Version 1.0. Irish Wildlife Manuals, No. 48. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin.
- Roche, J.R.**, Mitchell, F.J.G. & Waldren, S. 2009. Plant community ecology of *Pinus sylvestris*, an extirpated species reintroduced to Ireland. *Biodiversity and Conservation* **18** (8) 2185-2203.
- Perrin, P.M., Martin, J.R., Barron, S.J. & **Roche, J.R.** 2006. A cluster analysis approach to classifying Irish native woodlands. *Biology and Environment: Proceedings of the Royal Irish Academy* **106B** (3) 261-275.