

APPENDIX 1.1 EIAR Study Team

Chapter(s)	Company Name	Competent Expert & Qualifications Principal Contributor(s)
EIAR Coordinator Chapters 1 to 4 Introduction Policy Context and Need for the Proposed Road Development Alternatives Considered Description of the Proposed Road Development	ROD-AECOM Alliance	Seamus MacGearailt (33 years of experience) <u>Qualifications and Memberships:</u> <ul style="list-style-type: none"> • B.E. (Civil) University College Dublin (1986) • C.Eng. M.I.E.I., Chartered Engineer, Member of the Institute of Engineers of Ireland. (1990) • F.Cons.E.I. ACEI Registered Consulting Engineer (2000) • Fellow of the Institute of Engineers of Ireland F.I.E.I (2012)
Chapter 5 Traffic Analysis	ROD-AECOM Alliance	Philip Shiels (13 years of experience) <u>Qualifications and Memberships:</u> <ul style="list-style-type: none"> • B.Eng. (Hons) Civil & Transportation Engineering, Edinburgh Napier University (2006) • C.Eng. M.I.E.I., Chartered Engineer, Member of the Institute of Engineers of Ireland (2011)
Chapter 6 Population		John Finnegan (29 years of experience) <u>Qualifications and Memberships:</u> <ul style="list-style-type: none"> • B.Comm. (Economics), (1988) • Dip.Prof.Acc., (1989) • Associate of the Institute of Chartered Accountants, ACA (1992) • Fellow of the Institute of Chartered Accountants, FCA (2002) • M.Econ.Sc, (2004)

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Chapter 6 Human Health	Corporate Health Ireland	<p>Dr Martin Hogan (30 years of experience)</p> <p><u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • M.B., B.Ch., B.A.O. Medicine, University College Cork, 1978 • Dip Child Health, Royal College of Surgeons Ireland, (1990) • Diploma Obstetrics, Royal College of Physicians of Ireland (1990) • Membership of the Irish College of General Practitioners (1991) • Membership of the Royal College of General Practitioners (1991) • Member of Faculty of Occupational Medicine (R.C.P.I) 1995 • Fellow of Faculty of Occupational Medicine (R.C.P.I.) 2001 • Fellow of Royal College of Physicians of Ireland (R.C.P.I.) 2008 • Specialist Registration (Irish Medical Council) • Occupational Medicine (1999) • General Practice (1999)
Chapter 7 Biodiversity	EirEco Environmental Consultants	<p>Paul Murphy (26 years of experience)</p> <p><u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • M.Sc. Environmental Science, Trinity College Dublin (1993) • Diploma in Aquatic Biology, Galway Regional Technical College (1986) • Diploma in Amenity Horticulture, National Botanic Gardens, Dublin (1983). • Chartered Environmentalist, Society for the Environment • Member, Chartered Institute of Ecology and Environmental Management (C.I.E.E.M.) • Member, Institute of Fisheries Management • Member, Arboricultural Association • Member of the IUCN Commission on Ecosystem Management
Chapter 7 Biodiversity (Bats)	Bat Eco Services	<p>Dr Tina Aughney (19 years of experience as a bat fauna specialist)</p> <p><u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.Sc. Environmental Science, NUI Galway (1996) • Doctor of Philosophy (Ph.D.) Environmental Science, NUI Galway (2000) • Post-graduate Certificate in GIS Systems, University of Ulster (2017) • Member of The Heritage Council Bat Panel

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Chapter 7 Biodiversity (Birds)	Bird Specialist	<p>Gerry Murphy (36 years of experience as Bird Survey Specialist).</p> <p><u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • Dip. Field Ecology, UCC (2003) • National Diploma of Science in Forestry Management, WIT (1995) • Certificates in Forestry Training College, Kinnity Co. Offaly and Avondale Co. Wicklow (1975-1978) • President of the Society of Irish Foresters 2017-2019 • National Co-ordinator of the Irish Rare Breeding Birds Panel (I.R.B.B.P.) • Chairperson of the Irish Whooper Swan Study Group and the Irish Brent Goose Research Group
Chapter 7 Biodiversity (Barn Owl)	John Lusby Consulting	<p>John Lusby (21 years of experience)</p> <p><u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.Sc., National University of Ireland, Galway (1998)
Chapter 7 Biodiversity (<i>Vertigo</i> spp. snail survey)	BEC Consultants Ltd.	<p>John Brophy (15 years of experience)</p> <p><u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.A. (Hons) Natural Sciences (Zoology), Trinity College Dublin (2000) • M.Sc. Fisheries Management, Development and Conservation, University College Cork (2003) • M.C.I.E.E.M. Chartered Ecologist (CIEEM)
Chapter 8 Soils & Geology	ROD-AECOM Alliance	<p>Fintan Buggy (40 years of experience)</p> <p><u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.Sc. (Hons) Civil Loughborough University of Technology, Leics., UK (1981) • M.Sc. Soil Mechanics, Imperial College, London (1987) • C.Eng. M.I.C.E., Chartered Member Institution of Civil Engineers, UK (1985) • M.I.E.I., Member of the Institution of Engineers of Ireland (2012)
Chapter 9 Hydrogeology	ROD-AECOM Alliance	<p>Dr. Patrick Morrissey (10 years of experience)</p> <p><u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • Doctor of Philosophy (Ph.D.) Hydrogeology/ Hydrology, Trinity College Dublin (2014) • Post-graduate Diploma in Statistics, Trinity College Dublin (2013) • M.Sc. Environmental Engineering, Trinity College Dublin (2008) • B.A., B.A.I. Civil, Structural & Environmental Engineering, Trinity College Dublin (2007) • M.I.E.I., Member of the Institute of Engineers of Ireland Member (2007)

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Chapters 9 & 10 Hydrology & Hydrogeology Technical Adviser	Hydro Environmental Ltd.	<p>Anthony Cawley (28 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.E. Civil Engineering, NUI Galway, (1987) • M.Eng.Sc. (Hydrology) NUI Galway, (1990) • C.Eng. M.I.E.I. Chartered Engineer, Member of the Institute of Engineers of Ireland.
Chapter 10 Hydrology	ROD-AECOM Alliance	<p>Richard Reid (10 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • M.Eng. (Hons) Civil Engineering, Queens University Belfast (2009) • C.Eng. M.I.C.E., Chartered Engineer, Member of the Institution of Civil Engineers (2018).
Chapter 11 Landscape	Murray and Associates Landscape Architects	<p>Mark Boyle (19 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • Bachelor of Agricultural Science, Landscape Horticulture (University College Dublin, 1998) • Master's Degree, Landscape Architecture (University College Dublin, 2002) • Full Member of Irish Landscape Institute (MILI, 2005) • Graduate Diploma in Project Management (2010)
Chapter 12 Noise and Vibration	AWN Consulting Ltd.	<p>Jennifer Harmon (18 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.Sc. Environmental Science, University of Ulster (1999) • Diploma in Area Studies, Universidade Nova de Lisboa (1999) • Diploma in Acoustics and Noise Control, Institute of Acoustics (2001)
Chapter 13 Air Quality and Climate	AWN Consulting Ltd.	<p>Ciara Nolan (3 years of experience) <u>Qualifications and Membership:</u></p> <ul style="list-style-type: none"> • B.Sc. Energy Systems Engineering, University College Dublin (2014) • M.Sc. Applied Environmental Science, University College Dublin (2016) • A.M.I.Env.Sc., Institution of Environmental Sciences, Associate Member (2017) • A.M.I.A.Q.M., Institute of Air Quality Management, Associate Member (2017) <p>Dr. Edward Porter (21 years of experience): Checker <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.Sc. Chemistry (1st Class Hons), University of Sussex (1991) • Doctor of Philosophy (Ph.D.) (Air Quality), University College Dublin (1997) • Chartered Chemist (2001) • Member of the Royal Society of Chemistry (1998) (MRSC)

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Chapter 14 Archaeology, Architecture and Cultural Heritage	Irish Archaeology Consultants Ltd.	<p>Faith Bailey (17 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • M.A., Cultural Landscape Management (Archaeology & Built Heritage), University of Wales, Lampeter (2003) • B.A. (Hons) Archaeology, University of Wales, Lampeter (2001) • Member of the Chartered Institute for Archaeologists • Licence eligible archaeologist
Chapter 14 Archaeology, Architecture and Cultural Heritage	Irish Archaeology Consultants Ltd.	<p>Grace Corbett (15 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • M.A., Landscape Archaeology, University of Sheffield, (2008) • B.A. (Hons) Archaeology and Classics, University College Cork, (2004) • Member of the Chartered Institute for Archaeologists
Chapters 15 & 16 Material Assets and Land: Agriculture and Non-Agriculture	John Bligh and Associates	<p>John Bligh (19 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • Bachelor of Agricultural Science (B.Agr.Sc.) (1996) • M.Sc. Environmental Systems (2013)
Chapter 15 Material Assets and Land: Agriculture (Equine)	Equine & Veterinary Consultancy	<p>Michael Sadlier (35 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • MVB University College Dublin (1983) • Cert Equine Stud Medicine (1989) • Cert Equine Surgery (Orthopaedics) (1995) • MACVSc (Equine Surgery) • Member of Royal College Veterinary Surgeons (MRCVS) • Member of Veterinary Ireland • Member of Board of Governors of Irish Equine Centre
Chapter 17 Interactions and Cumulative Effects	ROD-AECOM Alliance; Others	<p>Gemma Rothwell (3 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.Sc. Environmental Science University College Cork (2016) <p>Contributions and revisions by all relevant specialists (of those listed previously), as required.</p>
Chapter 18 Major Accidents and Natural Disasters	ROD-AECOM Alliance; Others	<p>Gemma Rothwell (3 years of experience) <u>Qualifications and Memberships:</u></p> <ul style="list-style-type: none"> • B.Sc. Environmental Science University College Cork (2016) <p>Contributions and revisions by all relevant specialists (of those listed previously), as required.</p>