



Pat Roberts

CURRICULUM VITAE

Pat Roberts is a Senior Ecologist and director of the Ecology team at MKO with over 13 years' experience. Pat's key strengths include his depth of knowledge and experience of a wide range of ecological and biodiversity topics. He currently manages the ecological team within MKO and ensures that the outputs from that team are of a very high standard and meet the requirements of the clients.

Current Role	Senior Ecologist/Director of Ecology
Qualifications	<ul style="list-style-type: none"> ➤ B.Sc. (Environmental Science) (2005) National University of Ireland, Galway. ➤ BTEC N. Dip (Countryside Management) (1995).
Memberships	<ul style="list-style-type: none"> ➤ Member of Chartered Institute of Ecology and Environmental Management (CIEEM). ➤ Member of the Arboricultural Association.
Years of Experience	<ul style="list-style-type: none"> ➤ 14 years post graduate experience working as a professional ecologist. ➤ Over 10 years previous experience working as a nature conservation warden, tree surgeon/surveyor.
Relevant Experience	<ul style="list-style-type: none"> ➤ Director of the Ecology team at MKO with responsibility for ensuring that the outputs from that team are of a very high standard and meet the requirements of the clients and relevant legislation and guidelines. ➤ Urban tree surveys for residential and infrastructural developments including a tree survey of the Lower River Lee within Cork City as part of the OPW's flood relief scheme. ➤ Overseeing ecological assessments, Appropriate Assessment services and input into EIARs for numerous large scale developments including windfarms, flood relief schemes road projects, amenity, leisure and commercial projects. ➤ Overseeing invasive species surveying, treatment and management. ➤ Overseeing Ecological Clerk of Work services provided by the company for a variety of clients including Local Authorities, Private Contractors and Irish Water.
Key Strengths & Areas of Expertise	<ul style="list-style-type: none"> ➤ In depth knowledge and experience in ecological surveying for a wide range of habitats and species including Tree Surveys, Habitats, Bats, Mammals, Marsh Fritillary, Freshwater Pearl Mussel, Invasive Species, Aquatic Macro-invertebrates. ➤ Over 12 years post graduate experience of providing ecological services in relation to a wide range of developments at the planning, construction and monitoring stages. ➤ Excellent understanding of the Appropriate Assessment process and the requirements thereof in relation to plans and projects. ➤ Level of knowledge and experience to provide advice and services tailored to the requirements of the client.
Practical Skills & Aptitudes	<ul style="list-style-type: none"> ➤ Fourteen years' ecological experience with nine years' project management experience. ➤ Proficient in use of MS Office programs, GIS Mapping Software, AutoCAD. ➤ Certificate in Mammal Identification (Mammal Society). ➤ Freshwater Invertebrate Sampling (Field Studies Council). ➤ Bat Detector Workshop (Bat Conservation Ireland).





- > Bats & Arboriculture Training Course, (BCT & Arboricultural Association).
 - > Assessing Forest Structure for Restoration Management Plans (CIEEM).
 - > Fresh Water Pearl Phase 1 & Phase 2 Surveying (Evelyn Moorkens) Played a key role in the development of the Lakes at Rhosaman Masterplan, which was awarded the International Innovation Award at the IPI Awards 2015/2016.
-



Sara Fissolo

CURRICULUM VITAE

Sara has been a Graduate Ecologist with MKO Ltd since July 2019. She obtained a BSc (Hons) in Ecology and Environmental Biology from University College Cork in 2019. Sara also holds a BSc in Intercultural Communication from University of Turin, in Italy. During her degree with UCC, Sara developed strong organisational, data collection and report writing skills. As the degree was primarily classroom-based, she integrated it with practical skills obtained through independent field-work and hobbies. Sara developed a range of field skills, primarily in plant, habitat and bird surveys, through volunteer work with various organisations. Sara performed sea-bird and habitat surveys for NPWS on the Blasket Islands with Envirico, a small Irish-based environmental consultancy, and volunteered with an Italian wildlife rescue centre. Prior to starting with MKO, Sara also interned as a beekeeper with Galtee Honey Farm. During college, she applied her interest in bat ecology through her final year project, which investigated the impacts of artificial light on four urban bats species using static and transect surveys. Within MKO, Sara works in close contact with the Bat team, setting up static surveys for their wind farm projects and performing transect and roost surveys for a variety of other works MKO is involved with. Sara also performs walkover surveys, including habitat and mammal surveys alongside more experienced ecologists. In the office she carries out Appropriate Assessment screenings, Ecological Impact Assessments and Natura Impact Statements in accordance with European regulations as part of the Ecology team.

Current Role	Graduate Ecologist
Qualifications	<ul style="list-style-type: none"> ➤ BSc. (Hons.) Ecology and Environmental Biology, University College Cork ➤ BSc. Intercultural Communication, Università degli Studi di Torino
Years of Experience	<ul style="list-style-type: none"> ➤ Graduate Ecologist with MKO (July 2019 – present). ➤ Volunteer Ecologist with Envirico (June 2019) ➤ Intern with Galtee Honey Farm (Summer 2018) ➤ Volunteer C.R.A.S. Wildlife Rescue Centre (Summer 2017)
Relevant Experience	<ul style="list-style-type: none"> ➤ Ecological Assessment and Appropriate Assessment Experience in Appropriate Assessment Screening, Natura Impact Statements and Ecological Impact Assessments for a variety of developments including commercial, residential, road schemes and large-scale renewable energy projects. ➤ Vegetation Surveying and Habitat Mapping Developing skills in habitat and plant species identification. Experience in carrying out vegetation surveys and habitat assessments over a range of habitat types including grasslands, bogs, heaths and woodlands using Fossitt habitat and vegetation classification systems. ➤ Bird Surveys Experience carrying out ornithological surveys, particularly breeding seabirds. ➤ Bat surveys Experience carrying out transect and roost surveys for energy infrastructure, commercial, and residential projects. Trained in sonogram analysis using Kaleidoscope Pro. ➤ Mammal Surveys Experience in carrying out terrestrial mammal surveys, including otter and badger, during ecological assessment surveys for a variety of projects.





Planning and
Environmental
Consultants

Key Strengths & Areas of Expertise	<ul style="list-style-type: none">> Bat surveying> Report writing including Appropriate Assessment reports and Ecological Impact Assessment.> MapInfo Mapping.
Interpersonal & Communication Skills	<ul style="list-style-type: none">> Strong organisational skills, able to participate effectively as part of a larger multidisciplinary team in order to achieve project goals.> Writing scientific reports both for research and professionally.> Speaks three languages (Italian, English, Spanish) fluently.
Licences Held	<ul style="list-style-type: none">> Full Clean Driving License.> Current Safe Pass Holder.



MKO, Tuam Road, Galway, Ireland. H91 VW84

+353 (0)91 735611 | info@mkoireland.ie | www.mkoireland.ie | [@mkoireland](https://twitter.com/mkoireland)

McCarthy Keville O'Sullivan Ltd. t/a MKO. Registered in Ireland No. 462657. VAT No. IE9693052R.



Sarah Mullen

CURRICULUM VITAE

Sarah Mullen is an Ecologist with MKO with over 3 years of experience in consultancy. Sarah holds a B.Sc. (Hons) in Botany, an M.Sc. in Biodiversity and Conservation and a Ph.D. in Botany. Sarah has experience in conducting multidisciplinary ecological surveys and plays a large role in preparing Ecological Impact Assessment reports and Stage 1 and Stage 2 Appropriate Assessment reports. Sarah holds membership with the Chartered Institute of Ecology and Environmental Management.

Current Role	Ecologist
Qualifications	<ul style="list-style-type: none"> > Ph.D. Botany, Trinity College Dublin (2013). > M.Sc. Biodiversity and Conservation, University of Leeds (2008). > B.Sc. Botany (Hons), University College Dublin (2005).
Memberships	<ul style="list-style-type: none"> > Chartered Institute of Ecology and Environmental Management.
Years of Experience	<ul style="list-style-type: none"> > September 2018 – Present, Ecologist, MKO. > April 2014 – February 2017, Ecologist, Ryan Hanley Ltd. > July 2013 – October 2013, Volunteer. Global Biodiversity Information Facility, Museum fur Naturkunde, Berlin, Germany. > 2009 – 2013, Ph.D. Researcher, Trinity College Dublin. > April -June 2016. Volunteer, Indigo Development and Change, South Africa.
Relevant Experience	<ul style="list-style-type: none"> > Producing Ecological Impact Assessment Reports, Appropriate Assessment Screening Reports, Natura Impact Statements. > Carrying out multi-disciplinary field surveys for a range of habitats and species. > Site supervision.
Practical Skills & Aptitudes	<ul style="list-style-type: none"> > Vegetation surveys. > Mammal surveys. > Habitat mapping. > Invasive species survey. > Ecological Clerk of Works. > Preparation of AA Screening reports and Ecological Impact Assessment.
Licenses Held	<ul style="list-style-type: none"> > Full clean driver's license. > Safepass

