

Dr Daniel Llewelyn Jones PhD, MSc, BSc, MA, MEWI Cert | Curriculum Vitae**Address and Contact Details**

Registered Office: Sophia House, 28 Cathedral Road, Cardiff CF11 9LJ

Mobile telephone: +44(0)7967 408844

Email address: daniel@advancedinvasives.com

Positions

Managing Director | Advanced Invasives Limited (2016 to present)

Honorary Research Associate | Swansea University (2016 to present)

Academic qualifications

PhD Biological Sciences (2015) | Swansea University

MSc Environmental Conservation Management (2009) | University of Glamorgan

BSc (Hons) Biology & Ecology (2006) | Open University Cardiff

BSc (Hons) Marine Biology (2003) | University of Wales Bangor

Professional training, qualifications and accreditation as an expert witness

The Academy of Experts Full Member of The Academy (Reg N^o: 3612)

Expert Witness Institute Certified Expert Witness (Member N^o: 10002604)

The Academy of Experts Into Court Course (2020, 2022, 2023, 2024)

The Academy of Experts Foundation Course (2019)

National Proficiency Tests Council Level 2 Awards in Forestry and Arboriculture (2014)

LANTRA Training Awards Brushcutters, Woodchippers, Stem injection (2014)

National Proficiency Tests Council Level 2 Awards in the Safe Use of Pesticides (2011)

Principal professional specialisms

I specialise in all aspects of invasive plant ecology and management, including survey, identification, mapping, evaluating routes of spread, management (chemical and physical control techniques) and independent audit and appraisal of management actions. With respect to Japanese Knotweed in particular, I have expertise in the areas of specialism outlined above, in addition to assessment of growth and spread with relative age assessment, which can be relevant in establishing liability in civil claims.

Memberships of professional organisations

Full Member of The Academy (The Academy of Experts; 2020) and a Certified Expert Witness (Expert Witness Institute; 2023). Member of the Botanical Society of Britain & Ireland (BSBI; 2011), British Ecological Society (BES; 2011), European Weed Research Society (EWRS; 2015); BASIS Amenity Training Register (2017) and Weed Science Society of America (WSSA; 2024). Qualifying Member of the Chartered Institute of Ecology and Environmental Management (CIEEM; 2008).

Commercial expertise

As Managing Director of Advanced Invasives, I have authored public guidance documents for Welsh Government, including provision of best practice management guidance for Japanese Knotweed, Himalayan Balsam and Giant Hogweed: **Jones D (2020)** '*Public information on invasive species in Wales: Japanese knotweed*'; **Jones D (2020)** '*Information for community & volunteer groups in Wales | Practical Control of Japanese knotweed*'; **Jones D (2022)** '*Public information on invasive species in Wales | Himalayan balsam*'; **Jones D (2022)** '*Public information on invasive species in Wales | Giant hogweed*'. I have authored strategic invasive plant management best practice for major public landowners and infrastructure operators, including Network Rail Infrastructure (national) and Network Rail Cymru Wales. I have produced commercial invasive plant management plans and method statements and I have been engaged to develop and implement novel approaches for Knotweed remediation within complex infrastructure settings. To provide project context (i.e., scale and scope), in 2023/24 Advanced Invasives provided sustainable remediation solutions for a 10 hectare site in Wales, more than 25 % of which was contaminated with Japanese Knotweed. Practicable and workable solutions delivered would permit the construction of a £500 million industrial production facility on the highly contaminated site while minimising environmental and economic impacts, and legal exposure.

I have headed delivery of extensive commercial and government testing programmes, product evaluations and registrations, literature reviews and industry events. Clients include global leaders in weed control technologies (e.g. Bayer, Corteva AgriScience, Momentive) and government organisations.

I have produced and delivered continuing professional development (CPD) courses for government, academia and private sector organisations. **Certified UK weed control sector courses:** BASIS (2020) classroom courses (5 modules) entitled '*Principles of Sustainable Amenity Management*'. **Certified UK residential surveying sector courses:** Sava (2020) '*Level 4 Award in Identification of Japanese Knotweed and other Invasive Non-Native Plant Species*'; Sava (2020) '*Level 4 Award in Law and Management of Japanese Knotweed and other Invasive Non-Native Plant Species*'. **Certified Academic courses:** Swansea University (2013) '*Invasive Plants: Identification, Ecology and Control*'.

Committee memberships

Member of the Wales Biodiversity Partnership (WBP) Invasive Non-Native Species (INNS) Group since 2015. From 2019 to 2022 I was a member of the RICS Japanese Knotweed Leaders Forum and Working Group. From 2024 (ongoing) I have been a member of the Removal of Invasive Plants Competency Steering Group chaired by the Property Care Association (PCA) on behalf of the Industry Competence Steering Group (ICSG).

Awards, accolades and other professional responsibilities

Government depositions

Department for Environment, Food & Rural Affairs (Defra) '*The Great Britain Invasive Non-Native Species (INNS) Strategy 2015 policy review*' invited oral and written evidence (07/07/21; London, UK).

Defra '*Sustainable Use of Pesticides: Draft National Action Plan*' invited oral evidence contributed toward the Amenity Forum submission (London, UK; 16/07/20). **House of Commons Environmental Audit Committee** '*Inquiry: Invasive Species*' written evidence (30/04/19; London, UK). **House of Commons Science & Technology Committee** '*Inquiry: Japanese Knotweed and the built environment*' invited written and oral evidence (22/01/2019; London, UK).

House of Commons Science & Technology Committee Inquiry response

In response to the **House of Commons Science & Technology Committee** Inquiry: '*Japanese Knotweed and the built environment*' I provided expert input into the **Royal Institution of Chartered Surveyors (RICS)** '*Professional Standard: Japanese knotweed and residential property*' (01/03/2022; London, UK), the **Law Society's Conveyancing and Land Law Committee** review and revision of the '*Law Society Property Information Form*' (TA6; 4th edition) (07/02/2020; London, UK) and the **Network Rail Infrastructure** (national) '*Environmental Guidance Note: Japanese knotweed*' (01/07/2021; Milton Keynes, UK).

Government reports

Jones D & Bowes G (2024). Regional Mapping: Japanese Knotweed. Final Report for Torfaen County Borough Council, UK; **Jones D & Bowes G** (2024). Placed-Based Assessment for Hard Surface Weed Control. Final Report for Torfaen County Borough Council, UK; **Jones D**, Toop, T. & Hocking, S. (2022). Weed Control Trial. Final Report for Cardiff Council, UK; Miller J, Daly E, Lochner L, Shapland I, Gardner J, Cary E, Fenn T, **Jones D & Hewitson R** (2020). International Approaches to Japanese Knotweed in the Context of Property Sales. Final Report for Department for Environment, Food & Rural Affairs (Defra), UK; **Jones D**, Dominguez I & Bruce G (2019). Managing Invasive Plants Project Evaluation. Final Report for Caerphilly County Borough Council; **Jones D & Osborne, B** (2018). Sustainable control of Japanese knotweed *s.l.* taxa and Giant rhubarbs using herbicides. Final Report for Environmental Protection Agency, Ireland; **Jones D** (2017). Regional Mapping: Japanese Knotweed. Final Report for Cardiff Council, UK.

Legal publications

Draper M, Eastwood D & **Jones D** (2022) Japanese knotweed: Disentangling fact from fiction. *The Law Society Gazette* 12 May 2022.

Book publications

Jones D (2023) Invasive Plants Guide. *ICL, Ipswich (UK)*.

Invited speaker

I regularly update UK and devolved governments and national and international conferences on all aspects of weed and invasive plant ecology and management. Most recently I have been invited to speak at: **Property Care Association (PCA)** International Invasive Weed Conference | Panel Debate 'Approaches for dealing with invasives without glyphosate: Political vs Practical' (28/01/24; University of Warwick, UK); **Green-Tech** Open Day 2024 | Presentation title '*Sustainability in Amenity Practice - Data-driven approaches*' (05/09/22; Arkendale, UK); **Ground Control & Tesco** Seminar | Presentation title '*Sustainability in Amenity Practice - Data-driven approaches*' (11/07/24; Origin Research Centre, UK); **Cardiff University Plants@Cardiff** Seminar | Presentation title: '*Invasive Non-Native Plants - Plant biology and IPM*' (07/05/24; Cardiff University, UK); **North Somerset Council** 2024 Inquiry Day | Presentation title '*Cardiff Council Weed Control Trial*' (29/05/24; UK); **ParksHerts/ParksEast** 2024 Annual Seminar | Presentation title '*Cardiff Council Weed Control Trial*' (25/02/24; UK).

Academic expertise

Recent research publications

Lead author of the journal article '*Optimising Physiochemical Control of Invasive Japanese Knotweed*' published in the journal *Biological Invasions*. This article summarises the results of the world's largest and longest running (ongoing) field-trial research into the physical, chemical and integrated control of Japanese Knotweed. This article has over 50,000 downloads to-date and is in the top 5% of all research outputs scored by Altmetric. I have recently also authored the following peer-reviewed journal articles: Hocking S, Toop T, **Jones D**, Graham I & Eastwood D (2023) Assessing the relative impacts and economic costs of Japanese knotweed management methods. *Nature Scientific Reports* 13: 3872; **Jones D** et al. (2022) Comparing field-based management approaches for invasive Winter Heliotrope (*Petasites pyrenaicus*, Asteraceae). *NeoBiota* 74: 171–187; **Jones D** et al. (2020) Please don't mow the Japanese knotweed! *NeoBiota* 60: 19-23; **Jones D** & Eastwood D (2019) Sustainable Control of Invasive Japanese Knotweed. *Outlooks on Pest Management* 30(5): 195-200; Hocking S, **Jones D** & Eastwood D (2019) Out of sight, out of mind? Ex-situ germination of *X. Reyllopi conollyana* (Conolly's Knotweed) in a South Wales invaded seedbank. *BSBI News* 142: 52-55; **Jones D** et al. (2011) Object-Based Image Analysis for Detection of Japanese Knotweed *s.l.* taxa (Polygonaceae) in Wales (UK). *Remote Sensing* 3(2): 319-342.

Academic depositions

REF 2021 Impact Case Study '*Improvement to UK legal practice and economic benefits through identification of best practice in Japanese Knotweed control*' (May 2022; UK).

Reviewer

Academic reviewer for the peer-reviewed journals *Neobiota*, *Weed Research*. External reviewer for government and industry publications.

Experience as an Expert Witness

Blake Morgan LLP, Expert Report, Pontypridd (2024)

Blake Morgan LLP, Expert Report, Pontypridd (2024)

Blake Morgan LLP, Expert Report, Pontypridd (2024)

Keoghs LLP, Advisory Report, Lydney (2024)

Imperium Law Solicitors Ltd & Dolmans Solicitors, Single Joint Expert Report, Pontypridd (2024)

Imperium Law Solicitors Ltd & Dolmans Solicitors, Single Joint Expert Report, Caerphilly (2024)

Keoghs LLP, Advisory Report, Manchester (2023)

Keoghs LLP, Written Advice, Manchester (2023)

Keoghs LLP, Written Advice, Manchester (2023)

Keoghs LLP, Written Advice, Manchester (2023)

Berry Smith LLP, Expert Report, Ffostrasol (2023)

Imperium Law Solicitors Ltd & Dolmans Solicitors, Single Joint Expert Report, Swansea (2023)

Swansea Council, Expert Report, Swansea (2023)

Dolmans Solicitors, Expert Report, Swansea (2023)

Blake Morgan LLP, Expert Report, Cardiff (2023)

Blake Morgan LLP, Expert Report, Cardiff (2023)

Blake Morgan LLP, Expert Report, Cardiff (2023)

Blake Morgan LLP, Expert Report, Pontypridd (2023)

Blake Morgan LLP, Expert Report, Cardiff (2023)

Imperium Law Solicitors Ltd, Expert Report, Bridgend (2023)

Imperium Law Solicitors Ltd & Dolmans Solicitors, Single Joint Expert Report, Swansea (2023)

OP Law Ltd & Dolmans Solicitors, Single Joint Expert Report, Swansea (2023)

Wilson's Solicitors LLP, Advisory Report, London (2022)

Merthyr Tydfil County Borough Council, Expert Report (2022)

Streathers Boustreds, Expert Report, London (2022)

Streathers Boustreds, Written Advice, London (2022)

Imperium Law Solicitors Ltd & Dolmans Solicitors, Single Joint Expert Report, Maesteg (2022)

Vale of Glamorgan Council, Advisory Report, Barry (2022)

Keoghs LLP, Advisory Report, Hyde (2022)

Blake Morgan LLP, Expert Report, Trethomas (2022)

Private Instruction, Advisory Report, Montacute (2021)

Keoghs LLP, Advisory Report, Halifax (2021)

Keoghs LLP, Advisory Report, Aberdare (2021)

JMP Solicitors Ltd, Expert Report, London (2020)

DWF Law Ltd, Expert Report, Leicester (2020)

Cobleys Solicitors Ltd & JMP Solicitors Ltd, Single Joint Expert Report, London (2019)

Sherrards Solicitors LLP, Advisory Report, London (2019)

Gordons Partnership LLP, Expert Report, Hardingham (2019)

Private Instructions, Advisory Reports, Caerleon (2017-2019)

Private Instruction, Advisory Report, Stockport (2018)

Abergele Town Council, Advisory Report, Abergele (2015)