

CAREER PROFILE

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| Name | MURPHY-BOKERN, DONAL PATRICK LEE |
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| Nationality | Irish |
| Date of birth | 12 August 1961 |

Donal Murphy-Bokern is a self-employed agricultural and environmental scientist based in Germany. He specializes in the scientific support of public policy development, research strategy development, research management, and the support of innovation, especially in agriculture, food and land use. The portfolio of work includes work on food policy and climate change mitigation for the WWF UK and the Committee on Climate Change (UK Parliament) and the UK Department for International Development. Dr Murphy-Bokern leads the communications, research delivery and policy interactions work package of the EU FP7 project 'Legume-Futures'.

The common theme is supporting excellence in the interactions between the science base, public policy and industry. This work focuses on deepening of the dialogue around the use of science in policy development and innovation. Dr Murphy-Bokern is also a Visiting Fellow of Cranfield University where he supports the development of research of the Natural Resources Management Institute, particularly with respect to the application of Life-Cycle Assessment to agricultural systems. He has a broad agricultural science background which extends across traditional sectoral and policy boundaries and includes economics and social science. He has extensive experience of working as a research scientist and as a research investor/user in a public policy environment.

Before moving to Germany in July 2007, Dr Murphy-Bokern was a senior manager for more than eight years in the Department of Food, Environment and Rural Affairs (Defra) in Westminster, London. He led a team of scientists managing a £38 million pa research budget and directed a wide range of Defra's agricultural research programmes. He also worked closely with senior policy makers and ministers on a wide spectrum of agricultural and environmental policy areas. While in Defra, Dr Murphy-Bokern personally led development in a number of key research areas: novel crop protection products and strategies, organic farming, non-food and energy crops, arable crop genetic improvement and biotechnology, biomathematics and decision support system development, holistic systems analysis and life-cycle assessment. Latterly, he established Defra's new R&D programme covering all Defra agricultural research linked to climate change policy and greenhouse gas mitigation.

Prior to moving to MAFF/Defra, Donal Murphy-Bokern was employed as a permanent civil servant in the German Ministry of Agriculture based in the Federal Centre for Agricultural Research (FAL) at Braunschweig engaged as an agronomist/agricultural engineer (1993 – 1998). He conducted research there on the management of spatial variability in soil using GPS based technology and also led several research projects relevant to the use of agricultural materials in the building sector and the application of life-cycle assessment to agricultural systems.

Dr Murphy-Bokern's first long-term appointment was as a Research Associate in the University of Newcastle upon Tyne in the UK where he managed the establishment and development of the North of England Arable Centre (1986 – 1992). The NEAC pioneered farmer owned participatory research in an academic environment and Dr Murphy-Bokern oversaw the development of the NEAC from a membership of 46 in 1986 to 330 in 1992 - the largest such centre in the UK. The NEAC is now part of The Arable Group (TAG) in the UK, the largest applied research and development organization serving English arable farmers.

Donal Murphy-Bokern gained a PhD from the University of Newcastle upon Tyne for his part-time self-supervised research in crop physiology conducted in addition to his research and management duties there. He is a graduate of the National University of Ireland having studied general agricultural science at University College Dublin between 1978 and 1983.

WORK EXPERIENCE

- 1 April 2007 - Present
Self-employed. Murphy-Bokern Konzepte, 49393 Lohne-Ehrendorf, Germany. Independent scientist supporting research strategy development, research management, innovation, and research/government/industry interactions.
- 1 January 1999 – 30 March 2007
Department of Environment, Food, and Rural Affairs (Defra). Head of a Science Unit throughout; Acting Head of Division; and Farming and Food Science Co-ordinator from May 2003 until October 2004, and again in September/October 2005. 17 Smith Square, Westminster, London, SW1P 3JR, UK.
Responsible for a wide range of Defra's agricultural R&D programmes, LINK programmes, and the related input into policy working directly with senior policy makers, ministers, and the Defra Chief Scientific Advisor, a research budget up to £38 million pa and relevant staff (ca 30). Provided input into the Department's science policy, and extensive input into wider government research policy and evaluation.
- 1 January 1993 – 31 December 1998
Federal Ministry of Agriculture, Federal Agricultural Research Centre (FAL), Bundesallee 50, D 38116, Braunschweig, Germany. Senior established scientist (Wissenschaftlicher Angestellter/Wissenschaftliche Oberrat, BAT Ib), research team leader.
Until 30 March 1995: Project leader working on spatial variation in soil and crop resources ('precision farming'). Thereafter, led a new research group specializing in supply chain assessment, industrial ecology and the role of agriculture in sustainable consumption.
- 1 January 1986 – 31 December 1992
Department of Agriculture, University of Newcastle upon Tyne Department of Agriculture, The University, Newcastle upon Tyne, NE1 7RU, UK. Research Associate responsible for developing and managing the North of England Arable Centre Ltd.
- September 1985 – November 1985
Self employed in various roles including work for the Irish Agricultural Development Authority (ACOT), and for University College Dublin on rural sociology research.
- January 1985 – August 1985
Temporary agronomist in a pesticide and forage-seeds retail business in Ireland
- 1978 - 1983
Farm management and operation – a total of two years experience on five farms in Ireland.

EDUCATION AND TRAINING

- Bachelor of Agricultural Science
1978 – 1983. National University of Ireland, University College, Dublin 4. Basic and agricultural/environmental sciences; economics, social science, agricultural policy.
- Master of Agricultural Science
1983 – 1984 National University of Ireland, University College, Dublin 4. By research - the thesis is entitled 'An investigation into the merits of the use of cultivar mixtures under Irish conditions'.
- Degree of Doctor of Philosophy (PhD)
October 1987 – December 1992. University of Newcastle upon Tyne. Based on a part-time and self-supervised study conducted under University staff regulations. The thesis is entitled 'Crop structure and crop productivity in winter barley, (*Hordeum sativum*)'.
- UK Civil Service Learning and Development
Completed UK civil service programmes in senior leadership and management, including the Defra Senior Management Leadership and Development Programme in 2004.

ANNEXES

ANNEX 1: LIST OF PUBLICATIONS

ANNEX 2: LIST OF LECTURES AND PUBLIC PRESENTATIONS (UNTIL 1998).

ANNEX 3: INDICATORS OF TRUST AND ESTEEM