
STEPHEN MARTIN

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CHANGE AGENTS Co- Founder and President: Hon Professor Stephen Martin, BSc(hons); PhD; Hon FSE; FRSB; F.I. Env Sci; F.I Hort; FRSA.

I am a passionate advocate for learning for sustainability and have spent over 40 years facilitating and supporting social and environmental policy change in government, education and business.

For nearly a decade I was a member of Her Majesty's Inspectorate of Further and Higher Education(specialising in agricultural and science education in the East and West Midlands), with national responsibility for Environmental Education. I served as a special advisor to the Secretary of State in the Department of the Environment in drafting the education and training sections of HM Government's first white paper on the Environment -This Common Inheritance. This led to the formation by the Department for Education and Science of a high-level committee -The Toyne Committee to review Environmental Education in Further and Higher Education.

I was the founding chair of the [Higher Education Academy's Sustainability Advisory Group](#). For five years I served as an education for sustainability policy advisor to the UK's [National Commission for UNESCO](#). He was formerly Director of Learning at Forum for the Future, the leading Sustainability Charity in the UK. I am a former Trustee of the Worldwide Fund for Nature and an Honorary Fellow of the Society for the Environment and a Fellow of the Royal Society of Biology. I am Co-Founder and President of the sustainability charity [Change Agents UK](#).

From 2016 until 2019 I was a member of the UKSSD 's Steering Group created to develop a UK wide progress report (called [Measuring Up](#)) on the implementation of the Sustainable Development Goals (SDGs).I repeated this progress review([Measuring 2](#)) for the UN Global Compact Network in 2022.

From 2021-I became on Honorary Professor in Learning for Sustainability at Nottingham University in which capacity I support Nottingham University with its sustainability and learning strategy.

In partnership with Derbyshire County Council and Derbyshire Dales District Council I have created a community led renewable energy programme to support their Net Zero Climate targets.

Education, Training & Professional Qualifications

1962-1965	Nottingham University School of Agriculture	BSc (Hons) Agricultural Botany
1965 - 1966	Graduate Student at the University of Saskatchewan	
1967-1970	Dept. of Agriculture & Horticulture, University of Reading	PhD
1989	Fellow of the Royal Institute of Biology	
1990	Fellow of the Institute of Horticulture	

1989	Fellow of the Institute of Environmental Sciences
1993	Fellow of the Royal Society of Arts
2000	Stakeholder Dialogue Environment Council
2000	The Director as Strategic Leader Cranfield School of Management
2009	Honorary Fellow Society for the Environment

Career History

INDEPENDENT CONSULTANT **2000 to date**

FORUM FOR THE FUTURE **1998 to 2000** **Director of Learning**

- Establishing a universities sustainability learning network
- Establishing a professional bodies sustainability learning network
- Developing a sustainability training and organizational change programme with Bulmer's plc, Carillion plc, Air BP, Kelda, Dupont Europe, and Interface
- Initiating a House of Commons adjournment debate on education for sustainable development
- Managing and directing a local authority sustainability programme in Gloucestershire
- Designing a sustainability training manual for The Natural Step UK
- Representing the Natural Step on its International Board of Directors in the USA and Sweden

COUNTEC LTD - The Strategic Education & Training Forum for Milton Keynes & North Buckinghamshire **1993 to 1998** **Chief Executive**

- Established a new public-private sector company with wide-ranging business representation.
- Development of Milton Keynes Council's Schools Effectiveness Policy and Programme
- Developed a regional strategic framework for lifelong learning.
- Development of an area-wide value-added scheme for monitoring performance in GCSE examinations
- Created and implemented area-wide Training Credit and Compact schemes
- Established an area-wide headteacher and FE college executive group to develop post-16 education/training policy and partnerships.
- Developed and implemented a local credit accumulation and transfer scheme.
- Directed a 3,500-student work placement scheme with over 1,000 businesses.
- Architect of successful partnership bids, including £1.4 million from Further Education Competitive Fund and £3.5 million Single Regeneration Fund

HER MAJESTY'S INSPECTORATE (DEPARTMENT FOR EDUCATION)**1984-1993**

General Inspector of post-16 education and training in Hereford and Worcester, 1984 – 1989; Wolverhampton MBC, 1989-1993. National responsibility for co-ordinating the inspections of the Technical and Vocational Education Initiative and for environmental education. National responsibility for land-based education and training inspections

- Responsible for national inspection surveys of vocational and environmental education
- Providing advice on policy to the Department for Education, Dept of the Environment, Dept of Employment and Ministry of Agriculture
- Drafting training and education chapters of *This Common Inheritance* the UK's first Environment White Paper
- Appointment by Secretary of State to the Toyne Committee on Environmental Education, which reported in 1992: *Environmental Responsibility - An agenda for further and higher education*.
- Leadership of two overseas delegations - to an OECD policy seminar on the *Future of Agricultural Education* and to Sweden to evaluate environmental education and policy.

PLYMOUTH POLYTECHNIC (NOW PLYMOUTH UNIVERSITY)**1970 - 1984**

**Acting Head of Department, Biological Sciences
(and Head of Biochemistry & Physiology Division)**

Responsible for academic and resource planning of one of the largest higher education departments of biological sciences in the UK. The department comprised 35 academic, 26 technical and 20 research staff. Chair of the Polytechnic's Research Degrees committee.

ACHIEVEMENTS

Honorary Professor in Sustainability-2021-2027

- Served on the Steering Group of UKSSD and co-author of the UK's Progress Report on implementing the Sustainable Development Goals (2017-2019). A National Plan for the SDGs: <https://www.ukssd.co.uk/measuringup>
- Chair of the Higher Education Academy's Sustainable Development Advisory Group 2009-2013
- Commissioned by the British Council to develop and run workshops for senior managers of 58 Universities in Uzbekistan on embedding sustainability into the university curriculum- January 2017: YouTube: <https://www.youtube.com/watch?v=cqCLjUB7Jpl>
<https://yadi.sk/i/7xtCXfkW3GkXvS>
- Commissioned by the World Business Council for Sustainability in Portugal to lead a seminar for Businesses on Sustainability- Lisbon in February 2017

- Policy Advisor to the UK National Commission of UNESCO :2012 to date: Published A Good Practice Guide on Education for Sustainable Development in March 2017:
<https://www.unesco.org.uk/publication/best-practice-advice-for-your-esd-project/>
- Visiting Professor-Learning for Sustainability-University of the West of England 2013-2021.
- HEA Consultant-Policy think Tank on the Green Economy and Graduates for the Future/Evaluation of the Green Academy-2012/2013
- Commissioned by UK National Commission of UNESCO to draft Policy Brief on Education for Sustainable Development in the UK-2012/13 <https://www.unesco.org.uk/wp-content/uploads/2015/03/Brief-9-ESD-March-2013.pdf>
- Consultant to University of Manchester's Sustainable Consumption Institute and Tesco plc on in house sustainability training provision 2008/9
- Consultant to Ofsted on their Sustainable Development Action Plan and online training programme 2009/2010
- Co- founder and president of the charity Student force for Sustainability (Renamed Change Agents UK): 1995 to date
- Lead consultant in the design of an online sustainability tool kit for the £9billion Learning and Skills Sector 2007-2008
- Lead facilitator for Swedish government at international consultation: Learning to Change our World, University of Gothenburg 2004 and invited consultant to a further Gothenburg consultation in 2005
- Chair of Worcestershire County Council Climate Change Strategy Group: 2004/5
- Chair of the DTI funded SIGMA Project: Sustainability Integrated Guidelines for Management launched in 1999 by the British Standards Institute.
- Trustee of WWF (UK) the largest conservation charity in the UK. Chair Education Committee and Conservation Committee: 1994-2000; WWF Fellow from 2004
- Visiting professor in the School of Natural Sciences, University of Hertfordshire 1993-1996, Honorary Professor, University of Worcester 2000 to date. Visiting Professor Centre for Complexity and Change, the Open University 2000-2008. Visiting Professor, University of Gloucestershire 2007-2012
- Developed organisational change and training programme in sustainable development for: Bulmer's; AirBP; Carillion; Dupont Europe; Kelda/Yorkshire Water; Barclays PLC; 1998-2005
- Lead Sustainability Consultant for the construction of the £460m Princess Margaret Hospital Complex in Swindon 1998-1999
- Drafted the education and training section of the White Paper, This Common Inheritance - Britain's Environmental Strategy 1990
- Appointment by the Secretary of State for Education to an expert committee on Environmental Education, which reported in 1992 - Environmental Responsibility - An agenda for further and higher education
- Led delegation of civil servants to Sweden to evaluate environmental education policy and practice 1992
- Establishment and development of a unique strategic alliance between business, education and two local authorities, to co-ordinate and link education and training provision in Milton Keynes and North Buckinghamshire to local economic development: 1993-1998, which was the model for Local Learning and Skills Councils introduced by the government in 1999.
- Contribution to the development of a Joint Economic Development Strategy for Milton Keynes and N Buckinghamshire 1993-1998
- Founding Chair of National Learning Cities Network which included the following cities: Nottingham, Liverpool, Sheffield, Hull, Cardiff, Southampton, Norwich, Birmingham,

- Edinburgh, Milton Keynes and Derby: 1996-1998. The Learning City Network featured in the green paper on lifelong learning.
- Architect of successful partnership bids including £1.4 million from Further Education Competitiveness Fund, £3.5m Single Regeneration Fund, £200k from DfEE to establish a Higher Education - Business Partnership:1996-1998
 - Led UK delegation to OECD policy seminar on Future of Agricultural Education 1990
 - Management of one of the largest polytechnic departments of science 1984
 - Co-author of first science monograph on Stomata in the prestigious Institute of Biology series
 - Establishment and leadership of a successful research group which developed inter alia new cryofracture techniques to investigate important structural features in plants, leading to the publication of two seminal papers in the journal Nature. Seventy research and other publications/communications 1970-1984
 - Contribution to the development of institutional research policy and procedures, through membership of the polytechnic's Research Committee and chairing the Research Degrees Committee. 1973-1984

PUBLICATIONS

Sustainability and the Environment-Policy and Practice

Martin S., Ives C., Carney B. (2023) [Universities as Agencies of Human and Social Change: From Green Academy to Ecological Universities](#), The Bloomsbury Handbook of Sustainability in Higher Education: An Agenda for Transformational Change.

Martin S. 2022 [Repurposing Universities for Sustainable Human Progress](#)

Martin S.(2022) [Critical Perspectives on Competences in Education for Sustainable Development](#)

A National Plan for the SDGs (2022): [Measuring Up 2](#)

Odell,V,Molthan-Hill,P Martin,S and Sterling ,S (2020) Transformative Education to Address All Sustainable Development Goals: W. Leal Filho et al. (eds.), Quality Education, Encyclopaedia of the UN Sustainable Development Goals: https://doi.org/10.1007/978-3-319-69902-8_106-1

Sterling, S and Martin,S(2019) Climate Crisis and the response-ability of universities;
<https://www.timeshighereducation.com/blog/climate-crisis-and-response-ability-universities>

Martin, S. and Sterling, S. (2019) On track for a sustainable future? International Association of Universities (IAU) – Vol. 24, 2. Available at: <https://www.iau->

Richard Adams; Stephen Martin; Katy Boom (2017) Conceptualising a University Sustainability Culture: An enabling Framework-: Presented at the Sustainability and Social Learning Conference, University of Michigan, May 2017/ Journal of Cleaner Production (2018) 171;434-445.

Martin, S (2016) Routledge Handbook of Sustainable Development in Higher Education: Edited by Matthias Barth, Gerd Michelsen, Marco Rieckmann and Ian Thomas. ISBN: 978-0415-72730-3; Environmental Education Research Book Review

Martin, S; Dillon, J; Higgins, P; Strachan; G; Vare, P (2015) Reflections on ESD in UK Schools: In Schooling for Sustainable Development in Europe: Ed; Jucker, R and Mather. R Springer

Stephen Martin Andrew McCoshan and Lindsey McEwen (2014) Embedding Sustainability into the Higher Education Curriculum: Lessons from the UK's Green Academy Change Programme. World Sustainability Forum 2014 – Conference Proceedings Paper

Stephen Martin; James Dillon; Peter Higgins; Carl Peters and William Scott:(2013). Divergent Evolution in Education for Sustainable Development Policy in the United Kingdom: Current Status, Best Practice, and Opportunities for the Future. Sustainability 2013, 5, 1522-1544

McCoshan, A. & Martin, S. (2013). From strategy to implementation: the second evaluation of the Green Academy programme. <https://www.heacademy.ac.uk/resources/detail/sustainability/green-academy>: The Higher Education Academy.

McCoshan, A and Martin, S (2012) Evaluation of the Impact of the Green Academy Programme-Higher Education Academy-Research Report

Luna, H: Martin, S; Scott, W; Kemp, S and Robertson, A (2012) Universities and the Green Economy: Graduates for the Future. Higher Education Academy Policy Think Tank Report

Martin, S and Jucker, R (2009) Educating Earth Literate Leaders: in Education for Sustainable Development: Papers in Honour of the United Nations Decade of Education for Sustainable Development (2005-2014): Ed; Chalkley, B, Haigh, M and Higgitt, D: Routledge

Martin, S and Murray, P (2011) The Role of Wicked Problems, Values in Personal and Organisational Change; Learning and Teaching in Higher Education 5; 163-169

Martin, S, Martin, M and Cohen, J (2009) Developing Strategy for sustainable Development in TVET; In Work, Learning and Sustainable Development; opportunities and challenges, edited by John Fein, Rupert Maclean and Man-Gon Park Springer.

Morris, R and Martin, S (2009) Complexity, Systems thinking and Practice: skills and techniques for managing complex systems: The Handbook of Sustainability Literacy edited by Arran Stibbe, Green Books.

Martin, S, Martin, M and Jucker, R (2010) Quality and Education for Sustainable development: current context and future opportunities. In Handbook of Curriculum Development; Nova Science Publications, New York

Martin, S Martin, M, Jucker, R and Roberts, C (2009) Sustainable Development and Education: Learning to Last in Innovations in Education: Nova Science Publications New York.

Martin, S (2008) Sustainable Development, Systems Thinking and Professional Practice in Journal of Education for Sustainable Development V 2(1)

Martin, S; Martin, M and Cohen, J (2008) Sustainable Development in TVET in the UK-Developing the Strategy in TVET and Sustainable Development: Challenges and Opportunities Edited by: Rupert Maclean Man-Gon Park and John Fien Springer.

Martin, S and Smith, S.G (2007) Sustainable Development and Higher Education the Environmental Scientist 16 p5-7

Morris, D; Oreszczyn, S, Blackmore, C: Ison, R and Martin, S (2006) A Systemic Approach to Scoping Factors Influencing More Sustainable Land Use in Herefordshire. Local Environment No 6 683-699

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- Martin, S; Martin, M Cohen, J and Correa, R (2006) Sustainable development in the Learning and Skills sector-national baseline survey Learning and Skills Development Agency
- Martin, S and Jucker, R (2005) Educating Earth Literate Leaders J. Geography in Higher Education no1 19-29
- Martin, S (2005) Sustainability, Systems Thinking and Professional Practice, Systems Practice and Action research:18 pp163-171
- Dawe,G.,Jucker, R and Martin,S (2005) Sustainable Development in Higher Education; Current Developments:<https://www.sustainabilityexchange.ac.uk/files/sustdevinhefinalreport.pdf>
- Baines, J., Cohen, J., Martin, S. (2005) United Kingdom: Skills Development for the 21st Century. Prospects, Vol. XXXV, no. 3, pp355-365
- Martin, S, Brannigan, J and Hall, A (2005) Sustainability, Systems thinking and Professional Practice. J. Geography in Higher Education. No 179-89
- Martin, S and Martin, M et al (2004) Contributing to Sustainable Development: Centers of Vocational Excellence Learning and Skills Development Agency
- Martin, S., J. Cohen, and M. Martin. 2004. Opportunities for sustainable development in the learning and skills sector: a policy analysis. London: The Learning and Skills Development Agency
- Jucker, R and Martin, S (2004) What Should a Sustainable University Education Look Like? Environmental Scientist 13,16-17
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- Vetter, A J, Weston and Martin, S (2001) Moving Towards Sustainable Construction the Environmental Scientist :10 pp7-9
- Martin, S (2000) Sustainable Development and the Professions; Institution of Environmental Sciences 9.

- Vetter, A, Weston, R Martin, S(2000) On Being A Good Neighbour. Moving Towards Sustainable Construction. Carillion Plc
- Blackmore, C and Martin, E.S. 2000. The Natural Step, Systems approaches and higher education, J. Institution of Environmental Sciences 9, 12-13
- Martin, E.S. 1999. The Natural Step in Corporate Environmental Performance – Management Today Vol. 1, p234
- Martin, E.S., Cook, D., Walker, P., Vetter, A. 1999. The Natural Step: business networks and sustainable development, J. Institution of Environmental Sciences 8, 7-9
- Martin, E.S. 1998. Lifelong Learning and Education for Sustainability. J. Institution of Environmental Sciences 7, 7-9
- Martin, E.S. 1998. Review of Provision of Agricultural Further Education in the Northern Region. Commissioned Report for the Further Education Funding Council.
- Martin, E.S. 1997. Learning Cities - The UK Experience. Comment (European Lifelong Learning Initiative) 19, 12-13
- Martin, E.S. 1997 Community Learning FEDA Bulletin Vol 2 No1
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- Martin, E.S. 1993. Staff Development for Continuing Professional Development in Environmental Education & Training. J. Institution of Environmental Science 2, 7-8.
- Martin, E.S. and Ali Khan, S. 1993. Environmental Education: The Toyne Report. J. Institution of Environmental Science. 2, 5-7.
- Martin, E.S. and Ali Khan, S. 1993. Environmental Education: The Toyne Report. Integrated Environmental Management. 21, 17-19.
- Martin, E.S. 1992. The State of Environmental Education in Further and Higher Education Institutions. J.Inst. Environmental Sciences. 1, 3.
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Biological Publications

- Donovan, N., Martin E.S., Donkin, M.E., 1985. Calmodulin Binding Drugs Trifluoperazine & Compound 48/80 Modify Stomatal Responses of *Commelina communis*. *J. Plant Physiol* 118, 177-187.
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- Wang, T.L., Donkin, M.E. and Martin, E.S. 1984. The Physiology of a Wilty Pea: Absciscic Acid Production under Water Stress. *J. Exp. Bot.* 35, 1222-1232.
- Donkin, M.E., Smith, C., Price, D.N. and Martin, E.S., 1983. Functional Stomata on the Pods of the Argenteum Mutant of *Pisum sativum*. *Pisum Newsletter* 15, 15-17.
- Donkin, M.E., Hull, A. and Martin, E.S. 1983. The Stomatal Behaviour of the Argenteum Mutant of *Pisum sativum* before and after Flowering. *Pisum Newsletter* 15, 13-14.
- Donkin, M.E., Wang, T.L., Hull, A. and Martin, E.S. 1983. The Physiology of a Wilty Mutant of *Pisum sativum* under Simulated Water Stress Conditions. *Pisum Newsletter* 15, 18-20.
- Donkin, M.E., Wang, T.L. and Martin, E.S. 1983. An investigation into the Stomatal Behaviours of a Wilty Mutant of *Pisum sativum*. *J. Exp. Bot.* 34, 825-834.
- Wang, T.L., Francis, R., Donkin, M.E. and Martin, E.S., 1983. The Physiology of a Wilty Mutant of *Pisum sativum*. *The John Innes Report* 114.
- Lane, S.D., Martin, E.S. and Price, D.N., 1983. Varietal Implications in the Wheat Coleoptile Straight Growth Test. *British Plant Growth Regulator Bulletin* 6 (1), 12-17.
- Weyers, J.D.B., Fitzsimons, P.J., Mansey, G.M. and Martin, E.S., 1983. Guard Cell Protoplasts - Aspects of Work with an Important New Research Tool. (Mini Review). *Physiologia Plantarum* 58, 331-339.
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- Donkin, M.E., Martin, E.S. and Taff, S.J., 1982. A Study of the In Vitro Regulation of Phosphoenol Pyruvate Carboxylase from the Epidermis of *Commelina communis* by Malate and Glucose-6-phosphate. *Planta*, 155, 416-422.
- Lane, S.D. and Martin, E.S., 1982. Ultrastructural Studies of Lead Accumulation in Germinating Seeds. *Z. Pflanzenphysiol*, 107, 33-40.
- Lane, S.D., Martin, E.S. and Wigston, D., 1982. Anomalous Inflorescence in *Primula vulgaris*. *Watsonia*, 14 (1), 72-73.
- Hull, A., Martin, E.S. and Wigston, D. 1982. Primrose Picking in Devon. *Nature in Devon. Proc. Devon Trust for Nature Conservancy*, 3, 44-55.

- Martin, E.S., Donkin, M.E. and Stevens, R.A., 1982. The Stomatal Mechanism - Some Recent Developments. *School Science Review*, 63, 459-468.
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- Donkin, M.E. and Martin, E.S., 1981b. Blue Light Absorption by Guard Cells of *Commelina communis* and *Allium cepa*. *Z. Pflanzenphysiol.* 102, 345-352.
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- Lane, S.D., Martin, E.S. and Garrod, J.F., 1979. Plant Growth Regulators and Trace Elements. *British Plant Growth Regulator Group News Bulletin*, 3, Pt2, pp 4-6.
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- Stevens, R.A. and Martin, E.S., 1977b. Ion absorbent Substomatal Structures in *Tradescantia pallidus*. *Nature* 268, 364.
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