

■ CONTACT ...

📍	17 Guildford Close, Beverley, East Yorkshire, HU17 8UL, UK
✉	steve@woldsec.co.uk
☎	+44 (0)7941 463929 +44 (0)1482 880312
🌐	woldsec.co.uk

■ SKILLS ...

Excellent **communication and presentation skills**

Advanced **IT skills**, including **software development** and **advanced macro coding** within MS Access and Excel

Design and development of **decision support tools**

Strategy and **policy development**

Data analysis and **interpretation**

Production of **extensive literature reviews**

Production of information synopses and briefings for defined audiences (e.g. stakeholder groups, government)

High-quality **technical writing**; **broadcast media experience**; numerous **committee and conference presentations**

Stakeholder management, support and coordination, with **influencing and consensus-building** to support achievement of strategic goals

Workshop design and **facilitation**

Sound **emotional intelligence** and strong **interpersonal skills**

Extensive range of peer-reviewed publications and commissioned reports (full publications list available on request)

Strong **team- and project-management skills**, plus **line-management** experience

ORCID ID : 0000-0002-4853-7902

European Commission registrations:

- **Expert** (EX2019D363827)

- **Participant** (893531894)

■ LANGUAGES ...

English ●●●●● - native speaker

French ●●○○○ - basic

German ●○○○○ - rudimentary

Welsh ●○○○○ - rudimentary

■ EDUCATION ...

BSc Honours Degree: Applied Biology (First Class) *University of Wales, Cardiff* (1984-1988)

A-levels: Biology (A); Mathematics (B); Chemistry (B); Psychology (B); General Studies (A)



STEVE BARNARD, MIFM, CENV

DIRECTOR: WOLDS ENVIRONMENTAL CONSULTING LTD

& SENIOR RESEARCH ASSOCIATE: IECS LTD

■ EXPERIENCE ...

★ Steve has over 30 years' extensive professional experience covering environmental research, management, and consultancy across a range of backgrounds (government agencies, private-sector companies, third sector groups, and academia).

★ After graduating in 1988 with a **First Class Honours BSc in Applied Biology** from the University of Wales, Cardiff, Steve's early career was based around **freshwater fisheries ecology** (with a particular focus on **salmonids**), and included **research** (whilst undertaking post-graduate research with Cardiff University and the Game Conservancy Trust, and subsequently working as a Fisheries Ecologist with WRc); **operational management** (Fisheries Strategy and Policy Advisor for Environment Agency Wales); and **environmental consultancy** (Senior Fisheries Biologist with Golder Associates in Canada).

★ In 2009 Steve's focus shifted to the marine environment when he returned to the UK to take up the role of **Stakeholder Manager for Net Gain** (the North Sea Regional Marine Conservation Zone Project), responsible for **planning, delivering and reporting more than 25 public engagement workshops** (facilitating over 5,500 man-hours of stakeholder input). He also **developed innovative interpretive software tools** (e.g. **PRISM**, and **PISA**), to support stakeholder engagement and, in August 2011, led **production of Net Gain's final report** to UK Government).

★ In 2012 he joined the Institute of Estuarine and Coastal Studies at the University of Hull as their **Marine Policy Specialist**, specialising in a range of complementary and inter-related topics including: **marine policy**; **MPA designation and assessment**; **marine activity pressures, impacts and impacts on marine habitats**; the development of **decision support frameworks and assessment tools**; approaches for applying **aggregation methods** for marine biodiversity status assessments, and the inception of the **SPIDA tool** to assess **options for oil and gas infrastructure decommissioning**.

★ Following the closure of the Institute (July 2019) Steve established his own company, Wolds Environmental Consulting Ltd (Wolds ECL), providing environmental consultancy services across inland, coastal and marine waters.

★ After founding Wolds ECL, Steve's early work included a **review of marine biodiversity assessment and habitat models** (*JNCC*); consideration of Annex 1 **habitat compensation options for offshore wind** (*Ørsted*); and the development of **risk-based approaches to support MSFD monitoring** (*EC/JRC Ispra*). He also provided extensive technical support for **Habscore software redevelopment** (*Environment Agency*), and for the processing of operational Habscore survey results (*APEM Ltd.*).

★ More recently he has supported work by IECS Ltd in **applying the DAPSI(W)R(M) framework to underpin State of the Environment reporting** within Abu Dhabi Emirate, and the subsequent development of this approach within a Knowledge Base model structure (*Abu Dhabi Environment Agency*).

★ Steve also recently provided extensive support to Daryl Burdon Ltd, both in the **assessment of marine natural capital in NI** (*AFBI*), and in **developing assessment and visualisation software tools** for use in reporting and stakeholder workshops as part of the Suffolk Marine Pioneer project (*MMO*).

★ In 2022 he delivered a project assessing the feasibility of **applying a natural capital approach** to the Yorkshire Coast (*Yorkshire Marine Nature Partnership*), whilst in early 2023 he completed a proof-of-concept study investigating the development of an approach for **identifying potential impacts on GES arising from offshore wind developments** (*Natural England*).

★ In 2022, in addition to running Wolds ECL, Steve took on an additional role as a **Senior Research Associate** with **IECS Ltd**, where he is currently contributing to **four major Horizon Europe projects** (**GES4SEAS**, **MARBEFES**, **MarineSABRES** and **Marine Plan**).

■ SELECTED PUBLICATIONS & COMMISSIONED REPORTS (FULL LISTING AVAILABLE ON REQUEST) ...

- Barnard, S., Franco, A., Amorim, E., Papadopoulou, N., Smith, C.J., Elliott, M., and Borja, A. (2026). 'The practical application of Ecosystem-Based Management tools to marine ecological assessment: optimising tool selection for specific applications – the SEAS4GES Decision Support Tool', in Encyclopaedia of Ecology (3rd Edition). Amsterdam, NL. <https://doi.org/10.1016/B978-0-443-21964-1.00049-5>.
- Franco, A., Elliott, M., Amorim, E., Barnard, S., Smith, C.J., Borja, A., Cormier, R. and Papadopoulou, N. (2025). Assessment tools are needed to support marine ecosystem-based management, but how to get them used practically? *Front. Mar. Sci.* 12:1643943. <https://doi.org/10.3389/fmars.2025.1643943>.
- Burdon, D., Barnard, S., Strong, J.A. & Atkins, J.P. (2024) Linking habitat extent to economic value: A hierarchical methodology for valuing societal benefits provided by marine natural capital. *Ecological Economics*, **224**, 108316. <https://doi.org/10.1016/j.ecolecon.2024.108316>.
- Barnard, S. & Elliott, M. (2023) *Conservation Advice for GES (CA4GES) pilot project – Offshore Wind and GES: a proof of concept study*. Final presentation to Natural England Project Board.
- Papadopoulou, N., et al., 2023. *GES4SEAS Deliverable 2.1. Ecosystem management approaches based on a review of the activity-pressures-effects chain towards achieving Good Environmental Status in the Marine Strategy Framework Directive*. 162 pp.
- Burdon, D., Barnard, S., Strong, J.A. and Atkins, J.P. (2024) Linking habitat extent to economic value: A hierarchical methodology for valuing societal benefits provided by marine natural capital. *Ecological Economics*, **224**, 108316. <https://doi.org/10.1016/j.ecolecon.2024.108316>.
- Barnard, S. & Atkins, J.P. (2022) *Applying a natural capital approach to the Yorkshire Coast – a feasibility report*. Report to Yorkshire Marine Nature Partnership; Wolds Environmental Consulting Ltd.
- Burdon, D., Potts, T., Barnard, S., Boyes, S.J. & Lannin, A. (2022) Linking natural capital, benefits and beneficiaries: the role of participatory mapping and logic chains for community engagement. *Environmental Science and Policy*, **134**, 85-99. <https://doi.org/10.1016/j.envsci.2022.04.003>.
- Palialexis, A., Barnard, S. Smith, C.J. and Papadopoulou, N. (2022) *Getting better odds: a risk-based approach for the monitoring and assessment of biodiversity within the EU Marine Strategy Framework Directive*. EUR 31243 EN, Publications Office of the European Union, Luxembourg, 2022, ISBN 978-92-76-57512-2, available at: <https://publications.jrc.ec.europa.eu/repository/handle/JRC130785>.
- Barnard, S., Smith, C.J., Papadopoulou, N. & Palialexis, A. (2021) *A Risk-Based Approach for MSFD Monitoring and Assessment (Descriptor 1, Biological Diversity): Accounting for impact of anthropogenic pressures as part of the selection of a robust species shortlist*. Report for the European Commission Joint Research Centre, delivered under EC grant CT-EX2019D363827-102.
- Elliott, M., Barnard, S., Boyes, S.J., Burdon, D., Cutts, N.D., Franco, A. & Smyth, K. (2020) *The framework and options for compensation for Marine Annex 1 habitats for offshore wind farms*. Unpublished Report YBB875-F-2020, for Ørsted Wind Power NS, Strategic Environment Team (Contract No. 0456).
- Franco, A., Smyth, K., Barnard, S., Burdon, D., Elliott, M. & Mazik, K. (2020) *Marine ecosystem health: A streamlined approach for assessments through integration, harmonisation and forecasting*. Report for JNCC produced under Contract Ref: C19-0384-1374.
- Boyes, S.J., Burdon, D., Thomson, S.M., Barnard, S. & Elliott, M. (2019) *Non licensable Activity Impacts on Marine Protected Areas; Stakeholder Engagement and Strategy Report*. Report for the Marine Management Organisation (MMO) Project No: MMO1136.
- Burdon, D., Barnard, S., Boyes, S.J. & Elliott, M. (2018) Oil and gas infrastructure decommissioning in marine protected areas: system complexity, analysis and challenges. *Marine Pollution Bulletin*, **135**, 739-758. <https://doi.org/10.1016/j.marpolbul.2018.07.077>.
- Smith, C.J., Papadopoulou, K-N, Barnard, S., Mazik, K., Elliott, M., Patrício, J., Solaun, O., Little, S., Bhatia, N. & Borja, A. (2016) Managing the marine environment, conceptual models and assessment considerations for the European Marine Strategy Framework Directive. *Frontiers in Marine Science*, **3**:144. <https://doi.org/10.3389/fmars.2016.00144>.
- Barnard, S., Tillin, H., Piroddi, C. & Thomson, S. (2015) Prioritising pressures for benthic habitats in UK marine regions. Internal JNCC Report. Report for JNCC by Institute of Estuarine and Coastal Studies (IECS), University of Hull.
- Jickells, T., Andrews, J., Barnard, S., Tett, P. & Van Leeuwen, S. (2015) Natural sciences modelling in coastal and shelf seas. In: R.K. Turner & M. Schaafsma (eds.) *Coastal zones ecosystem services: From science to values and decision making*. Springer International Publishing, Switzerland. 240pp.
- Lonsdale, J.A., Weston, K., Barnard, S., Boyes, S. & Elliott, M. (2015) Integrating management tools and concepts to develop an estuarine planning support system: A case study of the Humber Estuary, Eastern England. *Marine Pollution Bulletin*, **100**(1), 393-405. <https://doi.org/10.1016/j.marpolbul.2015.08.017>.
- Barnard, S. & Strong, J. (2014) *Reviewing, refining and identifying optimum aggregation methods for undertaking marine biodiversity status assessments*. Report for JNCC by Institute of Estuarine and Coastal Studies (IECS), University of Hull.
- Barnard, S. & Boyes, S.J. (2013) *Review of case studies and recommendations for the inclusion of expert judgement in marine biodiversity status assessments*. Report No.490 for JNCC; IECS, University of Hull.
- Net Gain (2011) *Net Gain Final Recommendations* - submission to Natural England & JNCC. Net Gain.