





CONTACT ...

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SKILLS ...

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

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**

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

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

Production of **extensive literature reviews**

Data analysis and interpretation

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

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

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 & PRINCIPAL CONSULTANT

WOLDS ENVIRONMENTAL CONSULTING LTD

EXPERIENCE ...

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

★ 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 Calgary, 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 (IECS) 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; pressures and impacts from marine activities and their effects on marine habitats; the development of decision support frameworks and assessment tools (including understanding approaches for applying aggregation methods when undertaking marine biodiversity status assessments, and inception of the SPIDA tool to assess options for oil and gas infrastructure decommissioning). When IECS was closed in July 2019 Steve left the University to establish his own company, Wolds Environmental Consulting Ltd, delivering high-quality applied environmental research and management across inland, coastal and marine waters.

★ Steve's early work with Wolds Environmental Consulting Ltd included a review of marine biodiversity assessment and habitat models (JNCC); consideration of Annex 1 habitat compensation options for offshore wind farms (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 was engaged to support work 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 on a contract for AFBI (assessing marine natural capital in NI); and has developed assessment and visualisation software tools for use in reporting and stakeholder workshops (in support of the MMO's Suffolk Marine Pioneer project). In 2022 he delivered a project for the Yorkshire Marine Nature Partnership (assessing the feasibility of applying a natural capital approach to the Yorkshire Coast), 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).

★ Steve is currently, contributing to four major Horizon Europe projects (GES4SEAS, MARBEFES, MarineSABRES and Marine Plan).

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

- Burdon, D., **Barnard**, S., Strong, J.A. and Atkins, J.P. (in prep.) Linking habitat extent to economic value: A hierarchical methodology for valuing societal benefits provided by marine natural capital.
- Barnard**, S. and Elliott, M. (2023) *Conservation Advice for GES (CA4GES) pilot project – Offshore Wind and GES: a proof of concept study*. Final PowerPoint report presentation to Natural England Project Board.
- Burdon, D., **Barnard**, S., Strong, J.A., and Atkins, J.P., 2022. An Assessment of Northern Ireland's Marine Natural Capital (NI-MANACA). Report to AFBI; Daryl Burdon Ltd.
- 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.
- 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, doi:10.2760/600038, 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.
- Burdon, D., Potts, T. & **Barnard**, S. (2020) *Suffolk Marine Pioneer Natural Capital Logic Chains and Tool Development Workshop Report*. Daryl Burdon Ltd., Willerby, UK. February 2020. (Report No. DB LTD 007/2019b)
- 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.
- Forster, R., Strong, J.A., Burdon, D., **Barnard**, S., Boyes, S.J. & Elliott, M., (2016) *Evidence supporting the use of environmental remediation to improve water quality in the South Marine Plan areas*. Report produced for the Marine Management Organisation by Institute of Estuarine and Coastal Studies (IECS), University of Hull, Hull, UK, HU6 7RX. MMO Project No: 1105. ISBN: 978-1-909452-44-2. pp 158.
- 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**. DOI: 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. DOI: 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.
- Barnard**, S., Andrews, K. & Ellis, J.C. (2002) *Optimum stocking strategies for hatchery-reared riverine coarse fish*. Report to Environment Agency N°. W2-i651/TR; WRc.
- Wyatt, R.J. & **Barnard**, S. (1997) *Spawning escapement targets for Atlantic salmon*. Report to Environment Agency N°. W64; WRc.
- Barnard**, S., Wyatt, R.J. & Mainstone, C.P. (1997) *The effects of stocked brown trout on the survival of wild fish populations*. Report to Environment Agency N°. W5; WRc.
- Barnard**, S. (1995) *The survival and dispersal of stocked coarse fish*. Report to NRA N°. 364; WRc.