

## ■ CONTACT ...

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## ■ 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**

**ASSOCIATE CONSULTANT: 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).

★ 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 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 addition to running Wolds ECL Steve recently took on an additional role as an **Associate Consultant** 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) ...

- 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. DOI: 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.
- Franco, A., Elliott, M., Amorim, E., **Barnard**, S., Smith, C., Borja, A., Cormier, R., Papadopoulou, N., 2023. *GES4SEAS Deliverable 2.3. Guidelines (Best Practical Options) for Practical Ecosystem Approach*. 236 pp.
- 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., & 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, 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.
- 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.