



DARYL BURDON BSc MSc PhD AFHEA

EMPLOYMENT HISTORY

- Director, Daryl Burdon Ltd. Marine Research, Teaching and Consultancy (August 2019 to date).
- Senior Ecological Economist, IECS, University of Hull, UK (2014 to July 2019).
- Estuarine Ecologist & Socio-Economist, IECS, University of Hull, UK (2005-2014).
- Estuarine Biologist, IECS, University of Hull, UK (2002-2005).
- Benthic Ecology Research Assistant, University of Stirling, UK (3 month fixed-term, 2000).

EDUCATION AND TRAINING

- PhD by published work in Applied Marine Science, University of Hull, UK, 2016.
- MSc Estuarine & Coastal Science & Management, University of Hull, UK, 2002.
- BSc (Hons) Marine Biology (2:1), University of Stirling, UK, 2001.
- Associate Fellow of the Higher Education Academy (AFHEA), 2019.

RECENT RESEARCH, TEACHING & CONSULTANCY

Research

- Horizon Europe MARBEFES project (www.marbefes.eu/) – (2022-2026).
- Horizon Europe GES4SEAS project (www.ges4seas.eu) – (2022-2026).
- UKRI Sea the Value Project (www.pml.ac.uk/science/Projects/Sea-the-Value) – (2022-2025).
- UKRI TRANSECTS Project (2024-2028).

Teaching

- BSc Environmental Sustainability - Module lead @ Uni of Hull (2021-2025).
- MSc Sustainability Transitions – Visiting lecturer @ Aberdeen Uni (2021-2025).
- MSc Introduction to Environmental Economics – Visiting lecturer @ Aberdeen Uni (2021-2024).

Consultancy

- An assessment of Northern Ireland's marine natural capital (NI-MANACA). Report to AFBI (2023).
- Understanding the perspectives and needs of marine decision-makers with regards to the Natural Capital Approach. Report to Defra as part of the mNCEA Programme (2021).
- Multi-entity workshops for Abu Dhabi state of environment dashboard. Report for Abu Dhabi Environment Agency (2021).
- Review of marine cultural, social and heritage indicators. Report ME5118 for Defra (2020).



RECENT PUBLICATIONS

Dr Burdon has an extensive publication record which includes 31 peer-reviewed papers, 6 book chapters, and over 110 research and consultancy reports (*H*-index: 28; over 4,400 citations).

Burdon, D., Barnard, S., Strong, J. & Atkins, J.P., under review. Linking marine habitats and economic values: A spatial scaling methodology for valuing societal benefits. *Ecological Economics*.

Burdon, D., Atkins, J.P. & Potts, T., 2024. Classification of Estuarine and Coastal Ecosystem Services. In: Baird, Daniel and Elliott, Michael (eds.) *Treatise on Estuarine and Coastal Science*, 2nd Edition, vol. 1, pp. 277-322. Oxford: Elsevier.

Jernberg, S., Kuosa, H., Boström, C., **Burdon, D.**, Haavisto, F., Heiskanen, A-S., Kiviluoto, S., Kuningas, S., Kunnasranta, M., Uusitalo, L., Villnäs, A., Westerbom, M. and Kostamo, K., 2024. Linking natural capital stocks with ecosystem services in the Northern Baltic Sea. *Ecosystem Services*, 65, February 2024, 101585.

Pétillon, J., (+35 authors), 2023. Top priorities for global saltmarsh restoration, conservation and ecosystem-service research. *Sci. Total Environ*, Volume 898, 10 November 2023, 165544.

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 & Policy*, 134, pp. 85-99.

Burdon, D., Potts, T. McKinley, E.J., Lew, S., Shilland, R., Gormley, K., Thomson, S. & Forster, R., 2019. Expanding the role of participatory mapping to assess ecosystem service provision in local coastal environments. *Ecosystem Services*, 39, October 2019, 101009.

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, pp. 739-758.

Burdon, D., Boyes, S.J., Elliott, M., Smyth, K., Atkins, J.P., Barnes, R.A. & Wurzel, R.K., 2018. Integrating natural and social marine science to manage sustainably vectors of change: Dogger Bank transnational case study. *Estuarine, Coastal and Shelf Science*, 201, pp. 234-247.

Elliott, M., **Burdon, D.**, Atkins, J.P., Borja, A., de Jonge, V.N. & Turner, R.K., 2017. "And DPSIR begat DAPSI(W)R(M)!" – a unifying framework for marine environmental management. *Marine Pollution Bulletin*, 118, pp. 27-40.

Burdon, D., Potts, T., Barbone, C. & Mander, L., 2017. The matrix revisited: A bird's-eye view of marine ecosystem service provision. *Marine Policy*, 77, pp. 78-89.

Turner, R.K., Schaafsma, M., Mee, L., Elliott, M., **Burdon, D.**, Atkins, J.P. & Jickells, T., 2015. Chapter 2. Conceptual framework. In: Turner, R.K. & Schaafsma, M. (Eds.) *Coastal zones ecosystem services: from science to values and decision making*. Studies in Ecological Economics, Volume 9, Springer, Switzerland.

Potts, T., **Burdon, D.**, Jackson, E., Atkins, J.P., Saunders, J., Hastings, E. & Langmead, O., 2014. Do marine protected areas deliver flows of ecosystem services to support human welfare? *Marine Policy*, 44, pp. 139–148.