Brian James Foyle

MSc, PhD

An enthusiastic and committed environmental scientist with excellent analytical and communication skills, I manage scientists and stakeholders, I publish peer-reviewed technical reports, I secure project funds, and I work to make the world demonstrably better through sustainability and climate change science.

key skills

Research

technical and clear grant writing, experimental design, data quality, database management, research synthesis, climate change policies and protocols, policy gap analysis

Statistics

neural networks, GLM, multivariate analysis, mixed models, social network analysis, large ensemble models, spatial modelling, species distribution models, climate and land-use models, neural networks

Quantitative

ISO 14064-2, carbon accounting, statistical programming (R, SAS), data analytics (R, Excel, Python, Tableau, SQL), data visualisation (R, Inkscape, Adobe Illustrator), spatial analyses and mapping (R, ArcGIS)

Communication

high written and verbal fluidity, copy-editing, proofreading and line editing, intermediate French, deciphering science for a wide audience (blogs, documentaries, media), excellent presentation and public speaking skills

education

Certificate in Data Analytics, Bloomsbury College	2017
PhD Natural Resource Sciences, Cambridge University	2010–2015
MFC, Forestry, University of British Columbia	2005–2007
BSc Hons, Ecology, Harvard College	2002–2005

employment

Engenera EnviroTech
Scientific Officer, Waste Statistics Team
Nov 2017–present
London, England

I generate and analyse climate change data and waste statistics to boost Britain's progress towards sustainable development goals.

GreenSource
Carbon Solutions Analyst/ Project Developer
Nov 2015–Nov 2017
Ottawa, Canada

I sought to mitigate climate change through carbon offsets projects in the forestry, agricultural, waste management and renewable energy sectors.

Journal of Applied Ecology
Science of the Total Environment and others
Peer Reviewer / Editor
2015–present

I edit content, especially scientific breakthroughs, in the field of environmental sciences.

Arno Faculty of Architecture and Landscape
University of British Columbia
Course Lecturer: Biodiversity Conservation and Sustainability
2014
Vancouver, Canada

I led this postgraduate course, which included a two-week intensive field component covering regional, national, and global issues in biodiversity conservation and climate change.

Course Lecturer: Analytical Methods

I designed and led this postgraduate course in statistical analysis with R.

USDA Agricultural Research Service
Project Leader and Designer / Researcher
Peer Reviewer / Editor
2012–2014
Strasbourg, France

I developed machine-learning tools to predict climate change impacts, and as a creator on the Science Outreach Project I oversaw the design of a citizen science website crucial for informing the public on the effects of climate change.

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MSc, PhD

**Department of Natural Resource Sciences
University of British Columbia**
2010–2015
Vancouver, BC

Editor / Writer / Teaching Assistant

I developed environmental content strong enough to engage and educate the public, and I made meaningful contributions to lectures and seminars for postgraduates on ecology and science writing. I boosted the conservation programmes through the Montérégie Connection Project by broadcasting the results through presentations, bulletins and any medium that was effective.

Duke University / Standford University / University of Ottawa
2003–2006
Ottawa, Canada

Project Manager, data collection and validation

I completed five successful data collection contracts by leading teams of 4–8 people in the logistically complicated collection, entry, and organization of environmental data.

awards

Year	Organization	Award
2014	Mont St Hilaire Nature Centre	Alice E. Johannsen award for group conservation efforts
2013	USDA-ARS	USDA internal grant for new research initiative
2013	NASA	professional enhancement award for oral presentation
2011	QCBS	excellence award for academic achievement
2009	ESC	President's Prize for oral presentation
2012	QCBS	seed grant for new research initiative
2011–13	University of British Columbia	Millennium Fellowship for academic achievement
2010	University of British Columbia	Provost's Graduate Fellowship for academic achievement
2009	Harvard College	Joy R. Jackson prize for academic achievement
2004	Harvard College	Trillium College undergraduate scholarship

volunteerism

I've told the story of our environmental challenges by leading interactive lectures for the **Royal Windsor Museum** since 2016. I bolster research on social–ecological systems by lending my expertise to the **Colorado State University National Ecological High Observatory Network**'s (NEON) working group, and until 2015 I mobilised a team to quantify interactions between human and natural systems for **NASA** and **Michigan State**.

professional affiliations

Cheeky Scientist Association

International Association of Landscape Ecologists (IALE)

interests

former varsity athlete | avid trail runner | amateur typographer | outdoorsman | yogi

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