

Jesse Patrick Harrison, PhD

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QUALIFICATIONS SUMMARY

- Development Manager with a diverse background in environmental science and high-performance computing
- Proficient in coordinating high-profile international projects involving multiple partners
- Experienced in client-facing and advisory roles, with proven problem-solving and interpersonal skills

EMPLOYMENT

CSC - IT Center for Science Ltd

Development Manager (2024 -)

Senior Data Scientist / Project Manager (2022 - 2023)

Data Scientist (2019 - 2022)

2019 - Present

Espoo, Finland

Management and Leadership

- Immediate supervisor of seven group members (AI & Data Analytics group)
- Scientific Coordinator, [Horizon Europe Biodiversity Digital Twin](#) (funding: €11M)
- Work Package Lead, [Horizon 2020 HPC/Exascale Centre of Excellence in Personalised Medicine](#) (funding: €5M)

Interpersonal Skills and Experience

- Negotiating with external and international partners (e.g. via EU project consortia)
- Clear communication of information (e.g. as lead instructor on data analytics courses)
- Delivery of video / radio interviews and podcasts (e.g. [BioDT Spotify podcast](#))

Postdoctoral Researcher

Turku Bioscience (2018 - 2019)

University of Helsinki (2017 - 2018)

University of Vienna (2015 - 2017)

The University of Edinburgh (2012 - 2015)

2012 - 2019

Turku, Finland

Helsinki, Finland

Vienna, Austria

Edinburgh, UK

- Diverse experience in environmental research (e.g. microplastic pollution and eDNA-based ecosystem monitoring)
- International collaboration, e.g. working as part of [NASA BASALT](#)
- Contributed to developing a [Massive Open Online Course in astrobiology](#) with 87K+ registrations to date

UK Department for Environment, Food and Rural Affairs

Technical Advisory Group Member

2014- 2015

London, UK

- Invited member of expert panel providing advice to UK Parliament on plastic biodegradability in the environment
- Contributed to [summary report for non-specialist audiences](#), lead author of [accompanying publication](#)

EDUCATION, TRAINING AND ACADEMIC TITLES

University of Helsinki (2023)

Title of Docent in Environmental Sciences

Helsinki, Finland

Athena Research Center (2019)

[Data Carpentry Instructor](#)

Athens, Greece

The University of Sheffield

PhD (2012)

[Molecular Environmental Microbiology and Infrared Microspectroscopy](#)

MBiolSci, 1st Class Hons (2008)

[Biology with Conservation and Biodiversity](#)

Sheffield, UK