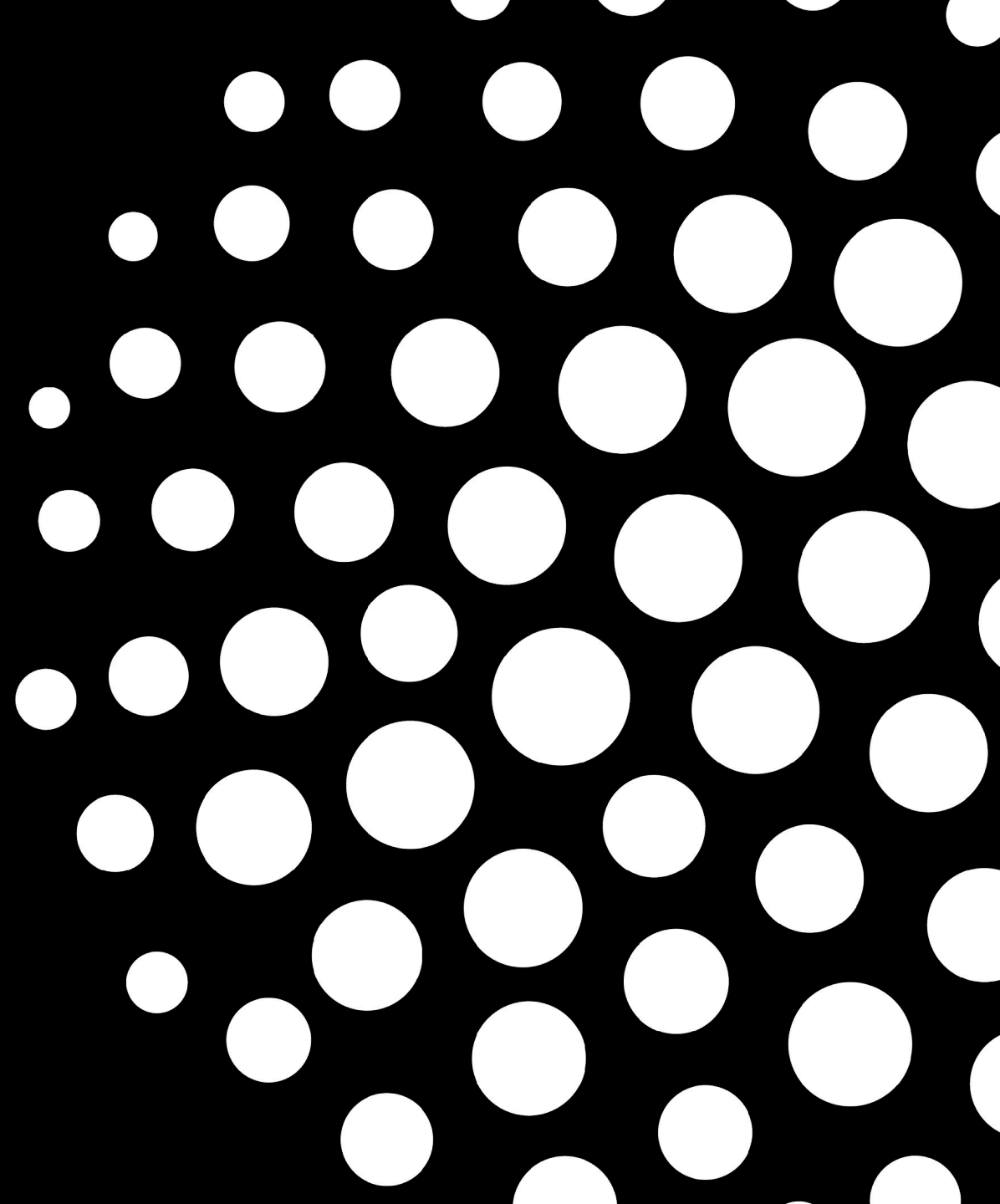


# Data Researcher Nature-related Finance

November 2024



# Welcome to Global Canopy

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**We are so pleased you found us.** Global Canopy is an ambitious, creative and dynamic not-for-profit targeting the market forces destroying nature.

Our special focus is on ending global deforestation, most of which is driven by agricultural expansion for commodities like beef, soy and palm oil that end up in products we all use every day.

In fact, our research shows that \$6 *trillion* in private finance each year is driving this destruction – including 20% of the money that we all put into our pensions.

This is a major driver of climate change, of biodiversity loss and of human rights abuses. To tackle this we deliver radical transparency through our award-winning data platforms, detailing how consumer markets are linked to nature loss.

We enable major companies, investors and governments to take positive action, and we help campaigning organisations and investigative journalists shine a light on those not doing

enough. And we help policymakers to design laws that make it mandatory for the private sector to change.

We are now growing rapidly as an organisation – expanding our work and teams in key geographies like Brazil and South East Asia. And we are deepening our relationships with major investor networks as we redouble work to remove deforestation and nature-related impacts from lending and investment portfolios worldwide.

As part of our team, you will be at the heart of global efforts to tackle the intertwined climate and nature crises. And you will find yourself surrounded by engaged, positive and committed colleagues determined to make a difference.

Please join us, this is urgent.

**Niki Mardas**, Executive Director



# About Global Canopy

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Global Canopy is a data-driven not for profit delivering real transparency and accountability for market impacts on nature and people. Our special focus is on ending deforestation – an essential step in achieving urgent global goals on climate, nature and human rights.

We deliver our work via three main strategies:

1. on **open data** (including via major global data platforms like [Trase](#), [Forest 500](#), [Forest IQ](#), and [ENCORE](#));
2. on creating stronger **voluntary and compliance frameworks** to address nature loss (we are a founding partner of the [TNFD](#));
3. and on accelerating **accountability and action by the finance sector** towards deforestation-free portfolios.

Our platforms, data and insights are relied upon by Fortune 500 companies, major financial institutions, national and regional governments, and some of the most effective campaigning organisations worldwide.

We work globally, with a focus on both forested regions (particularly across Latin America and South East Asia), and major consumer and financial markets (with a focus on Europe, the US, Singapore and China).

We have a distributed team of around 60 people worldwide, with a main office in Oxford (UK). We work via close and deep partnerships, including with institutions like the Stockholm Environment Institute, the UN Climate Change High-Level Champions, UNEP Finance Initiative, the World Conservation Monitoring Centre, the Zoological Society of London, and many many others.

# Nature-related Finance

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Nature loss poses material risks to financial institutions, but a lack of high-quality nature-related data has been one of the biggest obstacles holding financial institutions back from addressing nature-related risks.

Global Canopy tackles this problem head on, increasing the scope, quality and accessibility of freely available data. We work to enable investors, lenders, insurers, financial regulators and others in the sector to identify and mitigate their impacts and dependencies on nature – and to seize the opportunity of investing in nature-positive solutions.

Our work on nature-related finance centres on three collaborative flagship projects, the [Taskforce on Nature-related Financial Disclosures \(TNFD\)](#), [ENCORE](#) and our Little Book series of concise guides exploring key topics in climate and nature finance.

55%

of global GDP is moderately or highly dependent on nature



**\$6.1tn**

of finance flowed to  
companies in forest  
risk supply chains  
in 2023

# The role: overview

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An exciting role for a data researcher with strong technical skills to help increase Global Canopy's impact by delivering world-leading environmental and financial data to our key audiences in government, civil society, finance and business.

The role combines a deep understanding of economic and environmental data with strong technical capabilities in data engineering, analysis and presentation. This role bridges the gap between complex environmental, supply chain and economic datasets and delivering actionable insights through modern data techniques.

The role will initially make use of the **ENCORE** knowledge base which helps governments, central banks, financial institutions and businesses assess their nature-related risks and impacts around the world. This is **Global Canopy's all encompassing tool**: while Trase and Forest 500 focus mostly on agriculture and deforestation, ENCORE's ambition is to connect all types of economic activities to many more forms of nature depletion globally. It is developed in partnership with [UNEP-WCMC](#) and [UNEP-FI](#).

A key part of the job will be to design and develop prototypes of an **EU Nature Dependency Dashboard** that will provide essential data on each of the 27 EU countries' nature-related economic risks. To this end, sectoral macroeconomic data will need to be processed, cleansed and collated from statistical bodies. Environmental, supply chain and state-of-nature data will also likely be pooled from internal and external sources and modelled in a coherent way.

The data will be used by governments and central banks in modelling financial risk and economic impacts, and will feed into financial institutions' internal risk assessments.

The job requires **strong research skills as well as the technical skills to deliver and test viable prototypes** of high impact approaches for effectively connecting economic activities to nature depletion, supply chain flows and, ultimately, financial risk.

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# The role: overview (continued)

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You will work closely with expert colleagues in the Nature-Related Finance programme team. Close collaboration with analysts, researchers, software engineers and other data scientists across Global Canopy and beyond will also be key.

You will contribute to a culture of kindness, collaboration, rigour, and accountability in equal measure. You will come to work with a sense of urgent mission, balanced by emotional intelligence. You will share our conviction that it is not just what we do that matters in our working life, but how we do it too.

If this role resonates with you and you are excited about the opportunity to make a significant impact at Global Canopy, we would love to hear from you.



# The role: responsibilities

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## Core responsibilities

- Identify, source and quality-assure data sets required for the Dashboard (such as National Accounts data, environmental impacts data, supply chain data)
- Develop a data model to support diverse data sets suitable for exploring innovative approaches for data presentation and visualisation
- Develop reproducible data pipelines to clean, transform, and link datasets to support iterative prototyping
- Build prototype analytical tools and visualisations for nature related risk analysis
- Document methodologies used and maintain data catalogues and technical documentation
- Work closely with data consumers to elicit feedback and improve data quality, ease of insight generation and impact
- Work with technology colleagues to prepare data and selected visualisation and interaction approaches for web publication

## Domain Knowledge Desired

- Good understanding of economic data sets and national accounts
- Familiarity with environmental data sets such as nature depletion and ecosystem services data
- Experience with global supply chain data (e.g. MRIO)
- Exposure to data quality frameworks and standards
- Ability to interpret, apply and document data methodologies

## Technical skills and experience

- Strong proficiency in Python or R for data analysis and quick to reach for these tools to support your work
- Experience with data visualisation libraries (e.g ggplot2, matplotlib, plotly)
- Ability to work with APIs and web services to collect published data
- SQL for database operations
- Exposure to cloud-based data tools is desired (eg AWS)
- Knowledge of time series analysis and geospatial data



# About you

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**To be successful in this role**, these are the things that will matter the most:

- You are motivated by bringing up-to-date, high quality data to diverse audiences, including the private sector, governments and civil society
- You have a deep interest in sustainability, particularly in the agricultural, land-use or forestry sectors
- You are rigorous in your approach with a strong attention to detail but also pragmatic and flexible
- You know how to develop innovative solutions to complex data challenges, taking concepts from ideation to fully working prototypes
- You are able to produce high-quality analysis and visualisations and are confident to present prototypes to potential users, take feedback and improve
- You enjoy working both independently and as part of a team in a highly flexible and dynamic organisation
- You recognise the importance of good housekeeping: quality, process, documentation and maintenance

**Likely background and experience:**

- 3+ years experience working with economic and environmental data in a government, academic, commercial or NGO context
- Background in statistics, economics or related quantitative field
- Track record of building data tools and dashboards that deliver consumable insight from complex data
- Hands-on experience in developing proof-of-concept solutions and testing them
- Experience working with government agencies or research institutions
- Exposure to organisations engaged in delivering open data solutions to high calibre, demanding users



# Our values

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As an organisation committed to achieving system-wide change, we operate in a challenging environment. Our organisational values help guide our ways of working and keep us accountable to these standards:

**Entrepreneurial** – We develop bold new ideas to catalyse system wide change.

**Impactful** – We learn from what works, hold ourselves and others accountable and work in collaboration with others.

**Inclusive** – We celebrate diversity, value teamwork and support individuals to fulfil their potential.

**Clear** – We listen actively, think critically and communicate with clarity.



# Salary & benefits

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## **Salary**

£52,000 full time equivalent

This role sits within Band C on Global Canopy's remuneration framework.

## **Nature of contract**

Full time, Permanent. We are a flexible employer and welcome candidates wishing to work flexibly.

## **Base**

Our office is in Oxford, with flexible home-working arrangements in place.

## **Holidays**

36 days (including bank/public holidays) for discretionary use across the annual leave year. Option to purchase up to an additional 5 days or equivalent of one week's leave.

## **Pension**

Employer pension contribution of 7%.

## **Healthcare cashback plan**

Covering dental fees, eye-care, wellbeing, physiotherapy, chiropody and much more – for you and any children.

## **Employee Assistance Programme**

Which provides free, confidential advice on personal and legal matters.

## **Other**

Huge range of discounts and cashback deals at gyms, restaurants, holidays, and much more.

# How to apply

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To apply for the position, please use this [link](#) and submit an up-to-date CV and covering letter.

The covering letter should explain your motivation for the role, and how your skills and experience fit the person specification. (Please no more than 1 side of A4).

All candidates are asked to complete an anonymous diversity monitoring form when they apply.

The closing date for applications is **19 November 2024 at 9am GMT**. Early application encouraged. We may close applications early if suitable candidates are identified.

Screening calls are provisionally planned for w/c 25th November and will be conducted remotely via a video call.

At Global Canopy, we value diversity and inclusion. You can read our diversity statement on our [website](#). We encourage applications from all backgrounds and are committed to having a team with a diverse set of skills, experiences and abilities.

Global Canopy works on issues of global deforestation. We are particularly interested in strengthening our team to include those with a background from forest regions such as Latin America and South East Asia. We would welcome applications from people from these regions.

If you have any questions about the position, then please contact: [hr@globalcanopy.org](mailto:hr@globalcanopy.org).

Applicant data will be managed in accordance with the candidate privacy policy available on our [website](#).

# Thank you

**HR Team**

[hr@globalcanopy.org](mailto:hr@globalcanopy.org)

Find out more at [globalcanopy.org](http://globalcanopy.org)