

## TERMS OF REFERENCE (TOR)

**Position:** Environmental Impact Assessment Consultant

**Organization:** ATNi (Access to Nutrition initiative)

**Location:** Virtual

**Duration:** September 2026 - January 2027

**Reporting to:** Freddie von Kaufmann, Project and Research Lead

### 1. Background

ATNi (Access to Nutrition initiative) is an independent global nonprofit actively working to create healthier food environments. We challenge the food industry, and ensure that policy makers, investors, and other food system actors are equipped with the data and insights they need to transform markets so that all people have access to and can easily choose nutritious and sustainable food.

The modern food system is recognised as generating significant negative externalities for both people and the planet, contributing to rising rates of diet-related non-communicable diseases alongside environmental degradation. Furthermore, there is a growing recognition that these challenges are interconnected, as seen in initiatives such as the EAT-Lancet Commission's [Planetary Health Diet](#), which seeks to optimise human health while remaining within planetary boundaries.

As part of its forthcoming Global Index, ATNi will pilot an assessment that analyses and compares the health and environmental impacts of leading food and beverage manufacturers' product portfolios. The assessment will evaluate how far companies are contributing to healthier and more sustainable food systems, and where they are falling short. The resulting insights are intended to inform policymakers, investors, and companies, helping to align incentives, capital allocation, and regulatory frameworks with the transition to food systems that deliver positive outcomes for both people and the planet.

### 2. Objective

ATNi is looking for a consultant to support with delivering the environmental component of this analysis. The consultant will be responsible for end-to-end application of an environmental impact assessment model, from ingredient data preparation through to generation of final environmental impact results.

The consultant will conduct an assessment of food products across five environmental impact categories (greenhouse gas emissions, land use, water stress, eutrophication and biodiversity), and interpret the findings to provide actionable insights. The approach will include analysing and aggregating environmental impacts of individual ingredients in products, and using country-specific life cycle assessment (LCA) data where available. The consultant will also prepare technical documentation, visualizations, and deliverables for external communication.

The assessment will cover a selection of 10-15 F&B manufacturers from ATNi's Global Index with a presence in Indonesia and the UK. Insights from the environmental assessment will link to ATNi's product profiling work, which assesses the healthiness of products in companies' portfolios. The objective is to produce comparable scores that can be used to identify synergies and trade-offs in companies' portfolios between health and environmental impacts. between health and environmental impacts.

Results from the pilot will be published as part of a written chapter of ATNi's 2027 Global Index, and the approach published in an accompanying methodology document. ATNi's intention is that this pilot can build the measurement infrastructure for larger-scale assessments in future projects, covering a greater number of companies and markets.

### **3. Scope of Work (SOW)**

#### **Familiarization with Model and Feasibility Assessment**

ATNi has selected an existing open-access environmental model to use for the pilot, designed for quantifying the environmental impacts of food products across five environmental impacts (greenhouse gas emissions, land use, water stress, eutrophication, and biodiversity). The consultant shall:

- Review the model, and accompanying datasets. If required, locate any additional data to support the analysis.
- For familiarization with the model, run a small-scale demo using pre-prepared sample product data.

#### **Data Cleaning and Classification**

- In collaboration with ATNi researchers, clean and prepare product data, including nutritional and ingredient fields.
- Using provided models and workflow, encode product names and ingredient lists, and use random forest / neural network classifiers to assign products to ingredient categories.
- Validate classification outputs.

#### **Environmental Impact Analysis**

- Run composition estimation and environmental impact calculations - combining composition estimates with LCA data, and adjusting for trade-weighted sourcing.

#### **Interpretation and insight generation**

- Develop clear, actionable environmental insights and trends from analysis of company categories and portfolios. Produce additional scoring at country and environmental impact level, in a format that can be matched with data from ATNi's nutrient profiling assessment.
- Propose effective ways of visualizing healthiness and sustainability trends.

#### **Final Reporting and Presentation**

- Prepare a comprehensive final report including:
  - Analytical findings
  - Clear visualizations
  - Recommendations
- Technical methodology note, clearly outlining data sources used, steps taken, limitations and uncertainties, recommendations, and reproducibility information.
- Present interim and final findings to the team, ensuring the results are accessible and actionable.

#### 4. Deliverables

- Feasibility and research plan memo
- Cleaned and standardized product datasets
- Interim findings presentation
- Final report including:
  - Findings
  - Visualizations
  - Recommendations
  - Limitations
  - Future development opportunities
- Final presentation
- Final data outputs, including both raw and transformed versions.
- Technical methodology document

#### 5. Key Activities and Timeline

Approximate days per activity have been outlined in the table below; actual amounts needed on each activity may vary. Proposed timeline may be adjustable based on consultant availability.

The consultant will be expected to participate in regular check-ins with ATNI's Data and Research team through the project timeline.

| Activity  | Deliverables                                | Estimated Time | Draft Timeline           |
|---|---|----------------|--------------------------|
| 1. Familiarization with model, datasets, and approach | Data sources review and feasibility memo.   | 1 week         | September 2026           |
| 2. Data cleaning                                      | Cleaned and harmonized product datasets.    | 1 week         | September - October 2026 |
| 3. Product classification                             | Products assigned to ingredient categories. | 3-5 days       | September - October 2026 |
| 4. Conduct analysis                                   | Run composition estimation and              | 1 week +       | October - December 2026  |

|  |  |          |               |
|--|--|----------|---------------|
|  | environmental impact calculations.<br>Conduct validation and quality assurance   |          |               |
| 5. Interim results                             | Presentation of preliminary results  | 1-2 days | November 2026 |
| 6. Interpretation of results and final outputs | Final report with visualizations and recommendations.<br>Cleaned datasets and documentation sufficient to reproduce results.<br>Technical methodology note.<br>Addressing any points of feedback on shared deliverables. | 1 week   | January 2027  |

## 6. Payment Schedule

First payment: following completion of activities 1-3

Second payment: following completion of activities 4-5

Final payment: following delivery of final outputs.

## 7. Competencies

- Strong communication skills, including the ability to engage with diverse stakeholders, deliver presentations, simplify complex concepts for non-technical audiences, and translate data insights into actionable recommendations.
- Excellent planning and organizational skills, with the ability to manage multiple priorities and deliver work to agreed timelines.
- Ability to work independently while contributing effectively within a collaborative team environment.
- Strong analytical and problem-solving skills, with attention to detail and a commitment to data quality.

## 8. Education and Experience:

- Higher-level degree in sustainability, nutrition, public health, data science, or a related field.
- Experience in data modelling and quantitative analysis, preferably involving product-level environmental impact assessments, using LCA data.
- Experience conducting research related to food systems, sustainability, nutrition, or food product data analysis.
- Experience collaborating with stakeholders from diverse disciplines and sectors.
- Highly proficient in R and Python for data management, analysis and modelling.

## 9. Application Details

Please apply on HomeRun by 10 July 2026: <https://atni.homerun.co/environmental-impact-assessment-consultant/en/apply>

- **Curriculum Vitae (CV)** including links to any relevant publications.
- **Cover Letter** (max. 1 page), describing interest in the assignment, relevant experience and expertise, availability during the assignment period, and proposed daily rates.
- ATNi reserves the right to request that the applicant participates in a short assessment.

Applications will be reviewed on a rolling basis.

### Intellectual Property and Confidentiality

- Unless stated otherwise, all outputs, analyses, documentation, and code developed under this assignment will become the property of ATNi.
- Product-level datasets provided by ATNi must be treated as confidential and may not be shared with third parties
- Any use of third-party datasets must comply with applicable licensing requirements.
- At ATNi's discretion, datasets may be made open-access on GitHub.

### Diversity and Inclusion

ATNi is an Equal Opportunity Employer that values and respects the importance of a diverse and inclusive workforce. It is the organization's policy to recruit, hire, train, and promote people in all job titles without regard to race, colour, religion, gender, age, national origin, veteran status, disability, sexual orientation, or gender identity. We recognize that diversity and inclusion are driving forces in the success of our organization.