



## OmniAction Sustainability Framework Topics and Indicators

### Environment + weightings

September 2022

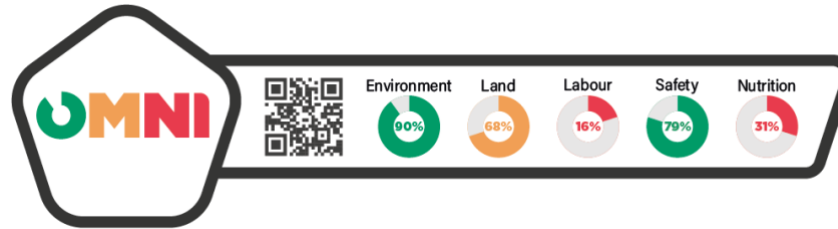
Topic	Category	Reference / Methodology	Readiness / Robustness	Weighting reference methodology	Likelihood of inclusion for first assessment guidance	Proposed weighting
Environment	Climate change	Product Environmental Footprint (PEF) category 2 Rules Guidance 2018	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1
Environment	Climate change	"Briefing: What are Scope 3 Emissions"; Carbon Trust <a href="https://www.carbontrust.com/resources/briefing-what-are-scope-3-emissions">https://www.carbontrust.com/resources/briefing-what-are-scope-3-emissions</a>	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1
Environment	Ozone depletion	PEF Category 2 Rules Guidance 2018	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1/2
Environment	Particulate matter	PEF Category 2 Rules Guidance 2018	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1/2



Environment	Particulate matter (air quality)	“Environment at a Glance, 2020”, OECD; <a href="https://www.oecd-ilibrary.org/agriculture-and-food">https://www.oecd-ilibrary.org/agriculture-and-food</a>	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1
Environment	Water pollution (fresh and marine) inc  Water eutrophication and acidification, impacted by phosphorous and nitrogen	“UNEP Environmental and Social Sustainability Framework”, UNEP Environment Programme, February 2020. <a href="https://www.unep.org/resources/report/uneps-environmental-social-and-economic-sustainability-stakeholder-response">https://www.unep.org/resources/report/uneps-environmental-social-and-economic-sustainability-stakeholder-response</a>  Assessing catchment scale water quality of agri-food systems and the scope for reducing unintended consequences using spatial life cycle assessment (LCA) <a href="https://doi.org/10.1016/j.jenvman.2022.115563">https://doi.org/10.1016/j.jenvman.2022.115563</a>  Assessing catchment scale water quality of agri-food systems and the scope for reducing unintended consequences using spatial life cycle assessment (LCA) <a href="https://doi.org/10.1016/j.jenvman.2022.115563">https://doi.org/10.1016/j.jenvman.2022.115563</a>	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	2
Environment	Land system change	PEF Category 2 Rules Guidance 2018	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	2
Environment	Water stress	PEF Category 2 Rules Guidance 2018	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1/2
Environment	Resource use, food waste	“Food Loss and Waste Accounting and Reporting Standard, version 1.0”, Food Loss & Waste Protocol, FAO: <a href="https://flwprotocol.org">https://flwprotocol.org</a>	High	FAO	Yes	2



Environment	Resource use, elimination of plastic	<p>“A Vision of Circular Economy for Plastic”, New Plastic Economy, The Ellen MacArthur Foundation’s Plastics Pact Network  <a href="https://ellenmacarthurfoundation.org/plastics-vision">https://ellenmacarthurfoundation.org/plastics-vision</a></p>	High	The Ellen MacArthur Foundation	Yes	1
Environment	Biodiversity	<p>World Food and Agriculture Statistical yearbook  <a href="https://www.fao.org/3/cb4477en/cb4477en.pdf">https://www.fao.org/3/cb4477en/cb4477en.pdf</a></p> <p>FAO: Mainstreaming biodiversity in agriculture, fisheries and forestry for improved food security and better nutrition  <a href="https://www.fao.org/fsnforum/consultation/biodiversity-mainstreaming">https://www.fao.org/fsnforum/consultation/biodiversity-mainstreaming</a></p> <p>FAO: Global Forum on Food Security and Nutrition (FSN Forum)  <a href="https://www.fao.org/fsnforum/comment/8816">https://www.fao.org/fsnforum/comment/8816</a></p> <p>Calculating species use against adaptability/resilience regarding location and land use + quality of nutritional outputs + rarity of species (generally favouring rarity)</p>	High	<p>Planetary boundaries framework, Stockholm Resilience Centre</p> <p>Aichi Biodiversity Targets  <a href="https://www.cbd.int/sp/targets/">https://www.cbd.int/sp/targets/</a></p>	Yes	3
Environment	Biodiversity	<p>Possible composite score including pesticide use, Biodiversity International’s <u>Agrobiodiversity Index</u></p>	Low	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1
Environment	Deforestation (primary)	<p>Calculating primary deforestation against commodity impact</p> <p>World Resources Institute: Just 7 Commodities Replaced an Area of Forest Twice the Size of Germany Between 2001 and 2015  <a href="https://www.wri.org/insights/just-7-commodities-replaced-area-forest-twice-size-germany-between-2001-and-2015">https://www.wri.org/insights/just-7-commodities-replaced-area-forest-twice-size-germany-between-2001-and-2015</a></p>	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	2



		Our World in Data: Cutting down forests: what are the drivers of deforestation? <a href="https://ourworldindata.org/what-are-drivers-deforestation">https://ourworldindata.org/what-are-drivers-deforestation</a>				
Environment	Deforestation (secondary)	Secondary forests offset less than 10% of deforestation-mediated carbon emissions in the Brazilian Amazon <a href="https://onlinelibrary.wiley.com/doi/full/10.1111/gcb.15352">https://onlinelibrary.wiley.com/doi/full/10.1111/gcb.15352</a>  Center for International Forestry Research: Secondary forest: a working definition and typology <a href="https://www.cifor.org/publications/pdf_files/secondaryforests.pdf">https://www.cifor.org/publications/pdf_files/secondaryforests.pdf</a>	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1/2
Environment	Misleading marketing claims	UN: Guidelines for Providing Product Sustainability Information: Global Guidance on Making Effective Environmental, Social and Economic Claims, to Empower and Enable Consumer Choice <a href="https://wedocs.unep.org/20.500.11822/22180">https://wedocs.unep.org/20.500.11822/22180</a>  UK Competition and Markets Authority Misleading environmental claims <a href="https://www.gov.uk/cma-cases/misleading-environmental-claims#final-guidance-published">https://www.gov.uk/cma-cases/misleading-environmental-claims#final-guidance-published</a>  EU Initiative on Substantiating Green Claims <a href="https://ec.europa.eu/environment/eussd/smgp/initiative_on_green_claims.html">https://ec.europa.eu/environment/eussd/smgp/initiative_on_green_claims.html</a>	High	UN CMA EU	Yes	1/2
Environment+ Nutrition	Soil Health	<a href="#">Global Soil Health Programme</a> , WEF, FAO Global Soil Partnership; <a href="https://www.fao.org/global-soil-partnership/en/">https://www.fao.org/global-soil-partnership/en/</a>	Medium	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1



Environment+ Nutrition	Environmental and nutritional impacts	<p>FAO: Sustainable Diets and Biodiversity  <a href="https://www.fao.org/3/i3004e/i3004e.pdf">https://www.fao.org/3/i3004e/i3004e.pdf</a></p> <p>Food in the Anthropocene: the EAT–Lancet Commission on healthy diets from sustainable food systems  <a href="https://doi.org/10.1016/S0140-6736(18)31788-4">https://doi.org/10.1016/S0140-6736(18)31788-4</a></p> <p>Integration of environment and nutrition in life cycle assessment of food items: opportunities and challenges  <a href="https://doi.org/10.4060/cb8054en">https://doi.org/10.4060/cb8054en</a></p>	High	Planetary boundaries framework, Stockholm Resilience Centre	Yes	1
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Not in first guidance assessment

Topic	Category	Reference / Methodology	Readiness / Robustness	Weighting reference methodology
Environment	Human toxicity, cancer	PEF Category 2 Rules Guidance 2018	Low	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Human toxicity, non-cancer	PEF Category 2 Rules Guidance 2018	Low	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Ionizing radiation, human health	PEF Category 2 Rules Guidance 2018	Low	Planetary boundaries framework, Stockholm Resilience Centre



Environment	Photochemical ozone formation, human health	PEF Category 2 Rules Guidance 2018	Intermediate	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Eutrophication, terrestrial	PEF Category 2 Rules Guidance 2018	Intermediate	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Eutrophication, marine	PEF Category 2 Rules Guidance 2018	Intermediate	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Ecotoxicity, freshwater	PEF Category 2 Rules Guidance 2018	Intermediate	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Resource use, minerals and metals	PEF Category 2 Rules Guidance 2018	Intermediate	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Resource use, fossils	PEF Category 2 Rules Guidance 2018	High	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Threatened / endangered species	TBC	Low	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Particulate pollution, terrestrial	Includes plastics and microplastics - TBC	Low	Planetary boundaries framework, Stockholm Resilience Centre



Environment	Particulate pollution, freshwater	Includes plastics and microplastics - TBC	Low	Planetary boundaries framework, Stockholm Resilience Centre
Environment	Particulate pollution, marine	Includes plastics and microplastics - TBC	Low	Planetary boundaries framework, Stockholm Resilience Centre