



Nature & Biodiversity

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Taking nature into account



Risk mitigation (avoid)



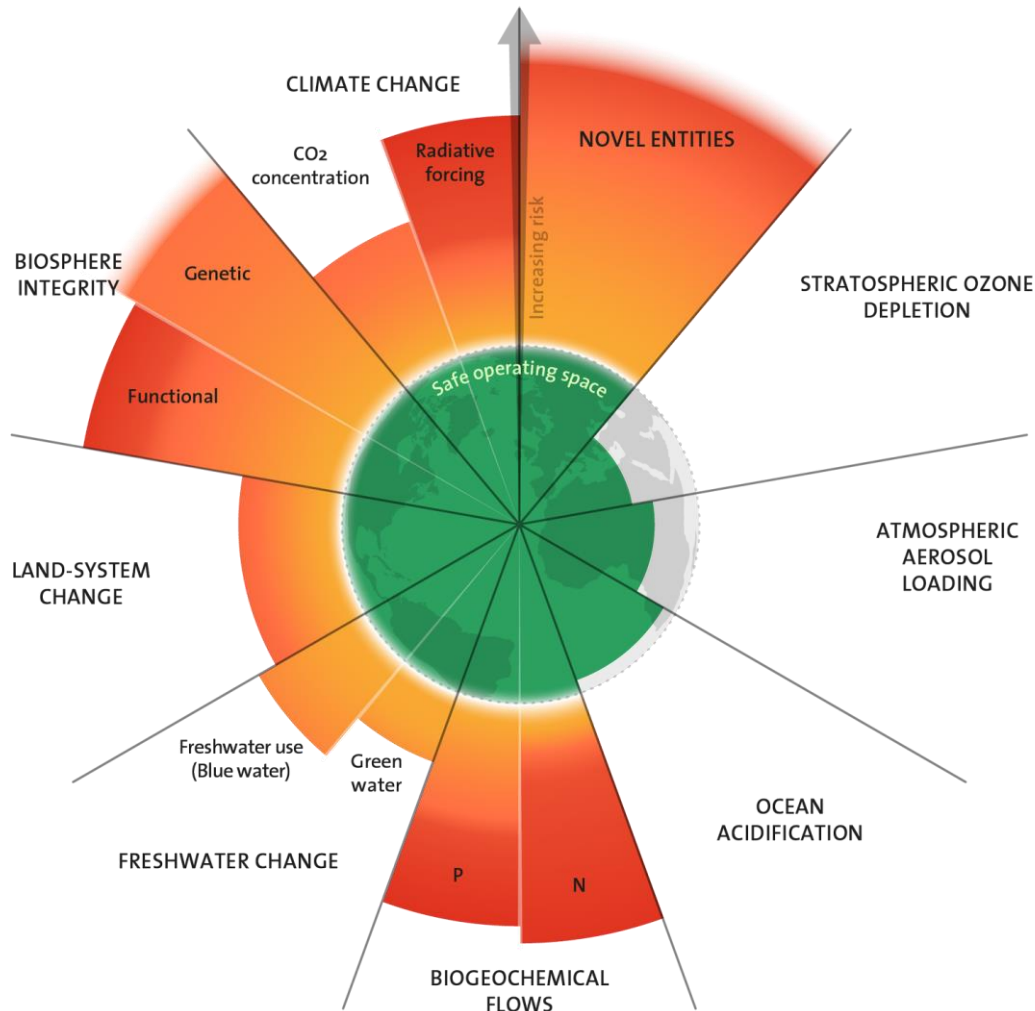
Transition and engagement (improve)



Nature solutions (support)

Considering the impact case

Planetary Boundaries: science-based framework to guide positive impact for the planet



Climate change

The planet's most pressing challenge; closely interlinked with the degradation of nature and biodiversity

Biosphere integrity

Species loss and ecosystem destruction at the heart of the Nature crisis

Land-system change

Repurposing of natural ecosystems for industrial & agricultural use is a major driver of deforestation and climate change

Freshwater change

Industrial over-use of scarce water resources and ecosystems ('blue water' and 'green water')

Biochemical flows

Chemical/nutrient run-off from non-sustainable farming practices (phosphates & nitrates)

Novel entities

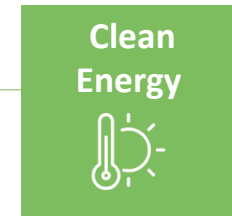
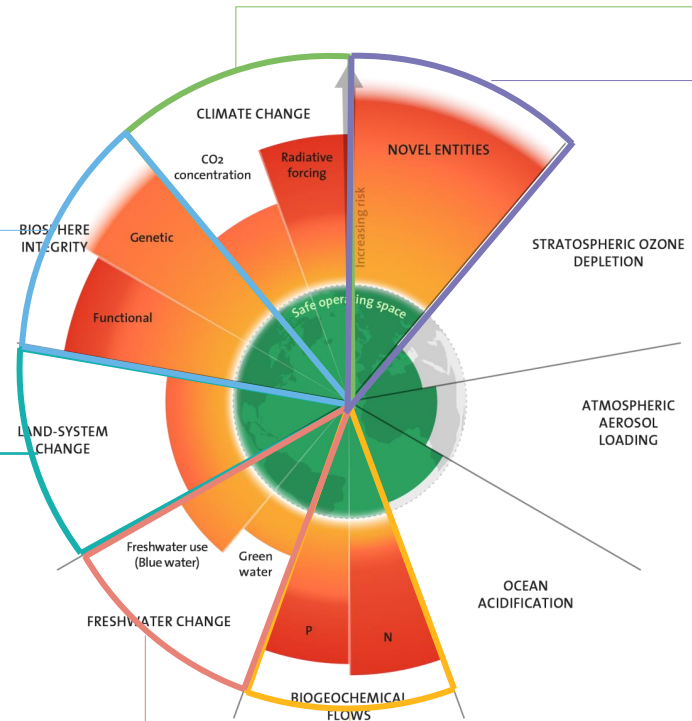
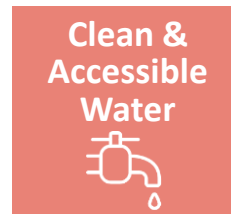
Impact on ecosystems of man-made products including toxic chemicals and microplastics

Evaluating impact on Planetary Boundaries

tons of avoided pollution (GHG and non-GHG) in industrial, technological and/or other processes.
of megalitres of water tested, treated or provided
Km ² of reduced or avoided land pollution (ecotoxicity, acidification, salinization, transformation)
of installed base, tests conducted, # of customers (captures enablers).

Area of Land Protected / Reforested / Sustainably Managed
Forest Management plan in place / biodiversity assessment conducted
tons of avoided emissions/pollution (GHG and non-GHG) & waste in industrial, technological and/or other processes.
Biodiversity footprint / species abundance assessment

of megalitres of water use avoided or water treated/re-used
of megalitres of water tested or provided
of installed base, tests conducted, # of customers (captures enablers)
Contribution to the protection of fresh water ways



Renewable energy generated (in MWh)
of people/households with access to clean or renewable energy
CO ² tonnes emissions avoided through renewable energy generation [need to set a baseline of non-renewable generation]
tons of avoided GHG emissions in industrial, technological and/or other processes.

tons of waste avoided, recycled or transformed into energy
CO ₂ tonnes avoided through recycling, reuse and resource management
tons of primary materials avoided or replaced by circular alternatives

Improvement in the sustainable production and nutritional content of food
Measured improvement in environmental impact of food production (emissions, water, land use, biodiversity)
Reduction in impact on aquaculture, fishing and agricultural resources
Reduction / re-use of food waste

Premium reverse-vending & waste-sorting manufacturer at the heart of the move towards a more circular economy



Investment

- Largest global supplier of collection and sorting technology in the recycling value chain
- 75% of the world's reverse vending machines come from Tomra, along with 50-60% of the world's waste-sorting machines at recycling centres
- Strong policy drivers support the outlook. EU Single Use Plastic Directive mandates recycled content in packaging. Deposit Return Schemes mandatory in Europe by 2029



Intention

- 'To transform how we all obtain, use and reuse the planet's resources to enable a world without waste'
- Member of the Ellen MacArthur Foundation
- The strategy is well aligned with impact: Tomra aims to double the avoided emissions enabled by its products while itself committing to net zero using externally-verified science-based targets (SBTi) from 2024.



Impact

- Tomra products avoided 19.3m tons of CO2 in 2021
- Improved collection systems are critical to making value chains circular, while more sophisticated waste sorting leads directly to greater recycling, since few recycling technologies can work on mixed material.



Circular economy



Responsible
Consumption &
Production



Enabler

Tomra is working to transform how we obtain, use and reuse the planet's resources
to enable a world without waste

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