

# TNFD Metrics Map

Core metric
  Additional metric
  Nature positive metric

## Drivers of Nature Change

### Ecosystem Use

- C1.0 Total spatial footprint
- C1.1 Extent of land / freshwater / ocean-use change
- A1.0 Intensity of land use

### Pollution

- C2.0 Soil pollutants by type
- C2.1 Water pollutants by type
- C2.2 Waste generation and disposal
- C2.3 Plastic pollution
- C2.4 Non-GHG air pollutants
- A2.0 Wastewater treated, reused/recycled or avoided
- A2.1 Waste minimised, reused or recycled
- A2.2 Pollutants removed from soil, water, air
- A2.3 Light and noise pollution

### Resource Use

- C3.0 Water use from areas of water scarcity
- C3.1 High risk natural commodities sourced
- A3.0 Total water use
- A3.1 Water replenished
- A3.2 Water reduced, reused or recycled
- A3.3 Water loss mitigated
- A3.4 Area used for the production of natural commodities
- A3.5 Use of wild species

### Invasive Species

- C4.0 Prevention of introduction of invasive alien species
- A4.0 Unintentionally introduced invasive alien species

## State of Nature

- C5.0a (A5.0) Ecosystem condition
- C5.0b (A5.3) Species extinction risk
- A5.1 Ecosystem extent
- A5.2 Ecosystem connectivity
- A5.4 Species population size
- A6.0 Impact on ecosystem services
- A6.1 Dependence on ecosystem services

## Risks & Opportunities

### General Risks

- A7.0 Value of write-offs due to nature-related risks
- A7.1 Value of capital flows due to nature-related risks

### Physical Risks

- C7.1 Value at risk to nature-related physical risks
- A8.0 Revenue dependent on area of physical risks
- A8.1 Number of business activities exposed to physical risks
- A8.2 Value of nature-related loss and damage
- A8.3 Increase in insurance cost due to nature-related loss and damage
- A8.4 Cost of adaptation to nature-related physical risk
- A8.5 Cost of relocation due to nature-related physical risk
- A8.6 Value exposed to nature-related physical risks

### Transition Risks

- C7.0 Value at risk to nature-related transition risks
- C7.2 Liability risk - fines, penalties, and litigation
- A9.0 Value exposed to nature-related transition risks
- A10.0 Policy risks - loss of operating areas
- A11.0 Liability risk - cleanup costs
- A12.0 Market risk - loss of market access
- A12.1 Market risk - input price volatility
- A13.0 Increased costs or loss due to reputational risk
- A14.0 Mitigation and adaptation technology expense

### Opportunities

- C7.3 Capital flows into nature-related opportunities
- C7.4 Revenue from nature-positive products and services
- A15.0 Change in ESG ratings
- A16.0 Value of green capital flows and financing
- A17.0 Savings associated with increased efficiency in use of natural resources

## Strategy & Management

### Strategy

- A19.0 Target setting - proportion time bound and quantifiable
- A19.1 Target setting - proportion short, medium, and long term
- A19.2 Target setting - proportion of locations and priority locations
- A20.0 Local stakeholder engagement
- A20.1 Participation in sector or multi-stakeholder agreements
- A21.0 Capital allocation - investments in conservation and restoration
- A21.1 Capital allocation - investments in government-backed solutions

### Value Chain

- A22.0 Supplier screening
- A22.1 Supplier engagement
- A22.2 Third-party certifications
- A22.3 Supply chain traceability
- A22.4 Supplier commitments to sustainability

### Changes to Nature: Mitigation Hierarchy Steps

- A23.0 Nature action plans
- A23.1 Rate of reuse and recycling
- A23.2 Restoration of species and ecosystems
- A23.3 Extent, duration, and monitoring of restoration projects
- A23.4 Circular material use rate
- A23.5 Mitigation hierarchy actions (AR3T)
- A23.6 Value of biodiversity offsets

### Voluntary Conservation, Restoration, and Regeneration

- A24.0 Voluntary restoration of species and ecosystems
- A24.1 Extent, duration, and monitoring of voluntary restoration projects
- A24.2 Investment into additional conservation actions
- A24.3 Investment in programs for Indigenous Peoples
- A24.4 Value of voluntary biodiversity offsets

### Assessments

- A25.0 Levels at which assessment is taken
- A25.1 Percent of direct operations locations assessed
- A25.2 Percent of upstream and downstream operations assessed
- A25.3 Percent of suppliers engaged for data access