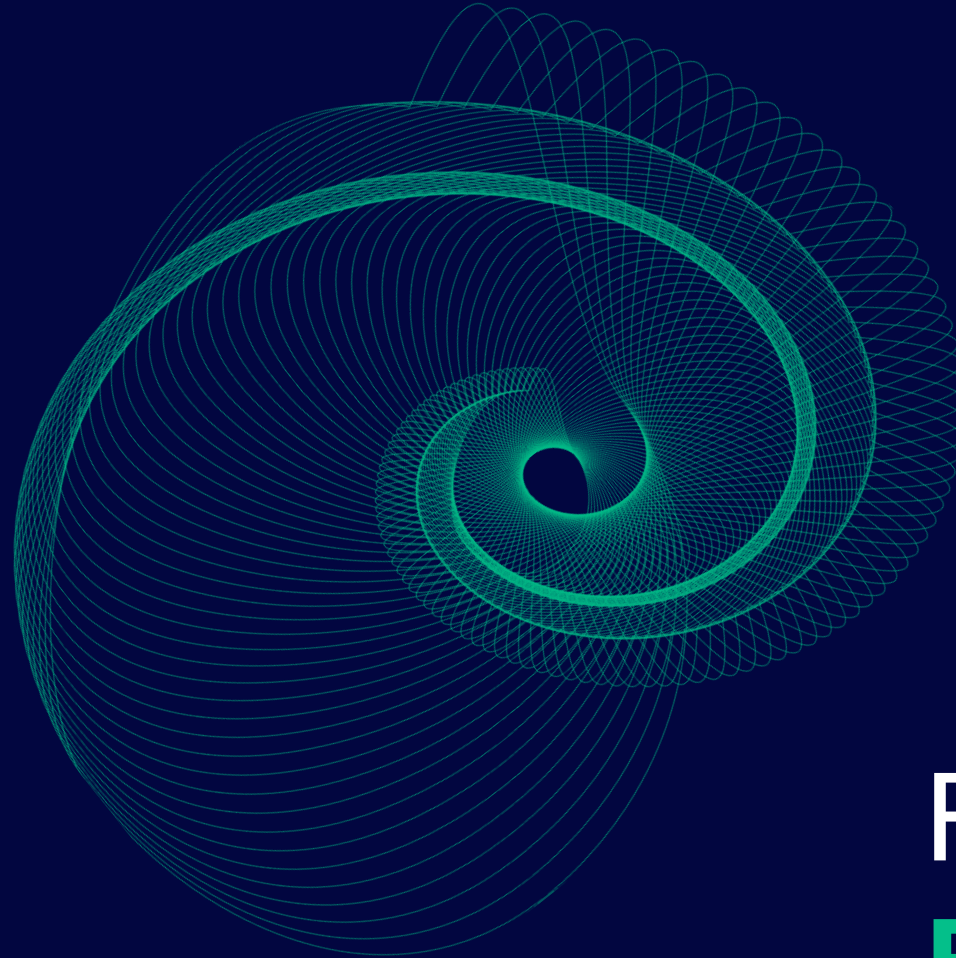


# RETHINKING VALUE



# RESTORING BALANCE

## READS: MORE THAN A TOOL, A STRATEGIC SOLUTION

- Reads is the **trusted scientific and technological partner** for forward-thinking companies and investors who see sustainability not as a compliance burden, but as a powerful business opportunity.
- We apply world-class methodologies and advanced technology to enable **data-driven, purpose-led decisions**.
- Born within Repsol's R&D ecosystem and developed with the support of leading technology firms, top-tier consultancies, and renowned universities, Reads has been **endorsed by key industry stakeholders**.
- **Award-winning** product: 2022 EnerTIC Awards and 2023 Digital Enterprise Show.

## SOLUTIONS



Natural and Social  
Capital Valuation



Environmental and  
Social Management



Technology Appraisal



TNFD Disclosure



CSRD Reporting



## PEER REVIEWED



European Business &  
Biodiversity Platform



CAPITALS  
COALITION



Taskforce on Nature-related  
Financial Disclosures

\*Methodology produced in collaboration with independent experts affiliated with UNEP-WCMC, acting in their personal capacity and not on behalf of the organization.

## OUR PARTNERS



Microsoft



MINSAIT



worley  
DELIVERING SUSTAINABLE CHANGE



ecoacsa



KREAB  
WORLDWIDE

IDOM



CE Delft



VNIVERSIDAD  
D SALAMANCA



UC | Universidad  
de Cantabria



Ocean  
Ecostructures



## STANDARDS AND GUIDELINES

**Reads** applies world-class methodologies, backed by international standards and reputed databases, to deliver credible and defensible results:

- **Natural Capital Protocol** and its biodiversity guidance. Capitals Coalition.
- **ENCORE Tool**. Identification of pressures and impacts exerted by economic activities. UNEP.
- **LEAP Approach**. Guidance on the identification and assessment of nature-related issues. TNFD
- **ISO 14008:2019 Standard**. Monetary valuation of environmental impacts and related environmental aspects. ISO.

**Reads** allows users from other sustainability-related tools and approaches to use their results as inputs in Reads to produce comprehensive Natural Capital Statements.



Microsoft Sustainability



ArcGIS



## ALIGNMENT TO ECONOMIC SECTORS

**Reads** adheres to **international standards** relevant to all productive sectors and follows ISIC codes (International Standard Industrial Classification of All Economic Activities).

In relation to the TNFD framework, Reads is identified as an '**Aligned Tool**' for the following sectors

- Renewable Energy
- Power & Utilities
- Oil & Gas
- Chemicals
- Metals & Mining
- Forestry & Paper
- Industrial Manufacturing

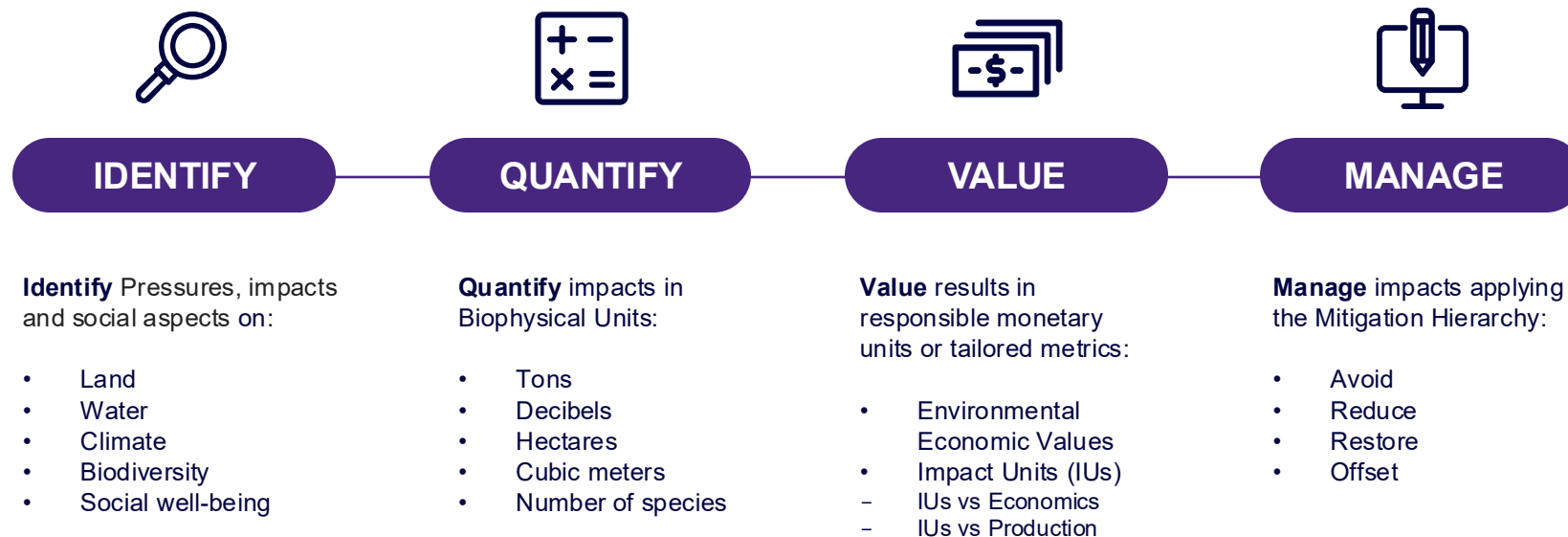
- Waste Management
- Civil Infrastructure
- Civil Works & Construction
- Real Estate
- Insurance
- Capital Markets
- Corporate & Retail Banking

More information at: <https://tnfd.global/tools-platforms/reads/>




## OUR METHODOLOGY

We turn complex impacts into actionable value through a clear 4-step framework.



*Reads aligns with the reporting needs specified in the ESRS<sup>5</sup> under the CSRD<sup>6</sup>*

  
Climate Change

  
Pollution

  
Water & Marine

  
Biodiversity & Ecosystems

  
Resources & Circular Economy



## IDENTIFY

### Identify environmental pressures following ISIC<sup>7</sup> classification

#### Occupation

- Area of land use
- Area of freshwater use
- Area of seabed use

#### Resource use

- Abiotic (e.g., water)
- Biotic (e.g., fish, timber)

#### Other biotic

- Species (mortality)
- Invasive species

#### Disturbances

- Noise
- Light
- Odors

#### Emissions

- Greenhouse gases to air
- Pollutants to air, water, soil
- Nutrients to water, soil

#### Waste

- Hazardous
- Non-hazardous



*The approach is flexible and configurable. The user selects and combines the environmental pressures and impacts according to the conceptual model of the site.*



## QUANTIFY



Climate  
Change

tCO2-eq



Pollution

tons



Water & Marine

m3



Biodiversity &  
Ecosystems

ha, N



Resources &  
Circular Economy

tons

Reads employs **Biophysical Impact Units (BIUs)** - standardized metrics that quantify both the intensity and spatial extent of environmental impacts on valuable environmental resources.

These units enable objective and comparable impact measurement aligned with leading global reporting frameworks, providing the scientific rigor your stakeholder's demand.

BIUs can be input directly or generated through **Reads'** integrated environmental models.



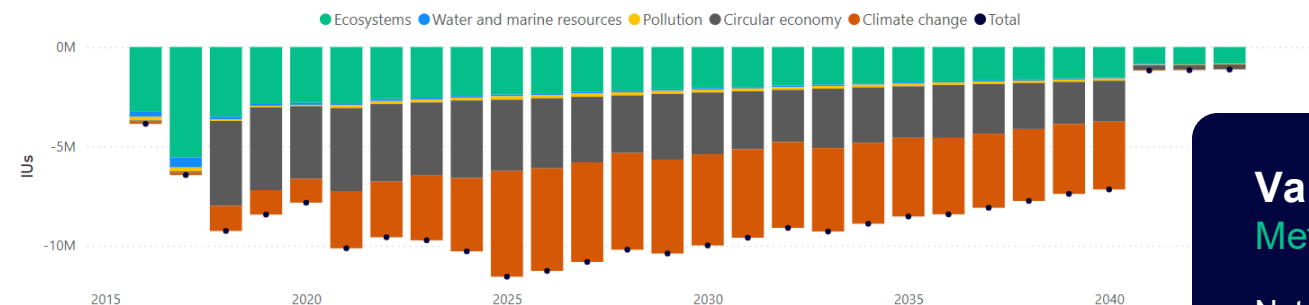
*Reads generates modeling results through validated screening models that assess potential maximum-impact scenarios for noise pollution, sediment deposition, wildlife mortality, and visual landscape impacts*



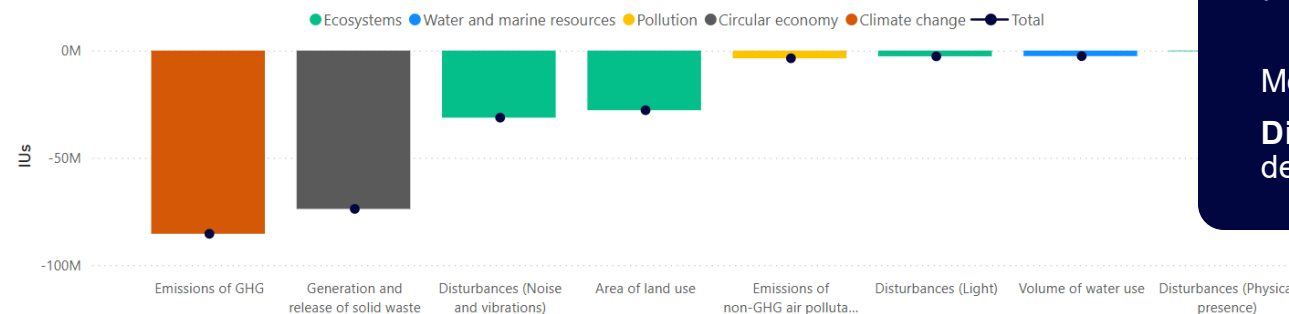


## VALUE

Impact by Year



Impact by Pressure



## Valuation of impacts

### Metrics

Natural capital gain/ loss is measured in:

- **Environmental Economic Values (EEVs)**, monetized as US dollars (2022)
- **Impact Units (IUs)**, improve the valuation representativeness by using local adjustments

Metrics are expressed in **Net Present Value**.

**Discount rates** are defined by the user, with a default of 3% for natural capital assets.



MANAGE

#### Mitigation Measure List

Case Name	Effectiveness (%)	Expenditure (k\$)	Expenditure NPV (k\$)	IUs Saved (NPV)	ROI (IUs vs k\$)
<input type="checkbox"/> Gas Plant Amazonia (2016-2043)					
<input type="checkbox"/> (517) AX - Production					
<input type="checkbox"/> Simulated					
Injection into a dedicated well	96 %	6,501,000.00	9,374,018.99	72,174,407.51	7.70
<input type="checkbox"/> (518) U400 - Production					
<input type="checkbox"/> Simulated					
Reduction of land use	65 %	5,070,000.00	7,391,073.09	648,281.04	0.09
Low NOx burners (90%)	32 %	1,341,000.00	1,920,078.66	28,189,721.94	14.68
Use of efficient energy sources and savings	29 %	805,000.00	760,358.91	25,080,854.24	32.99
<input type="checkbox"/> (519) Flow line Production					
<input type="checkbox"/> Simulated					
Active restoration of deforested areas	88 %	575,030.00	724,437.53	13,058,470.98	18.03

Select measure to simulate

All

Select units

IUs

EEVs

-227.51M

Impact IUs Baseline

-227.51M

Impact IUs Current

-88.36M

Impact IUs Simulation

SUMMARY

KPIs

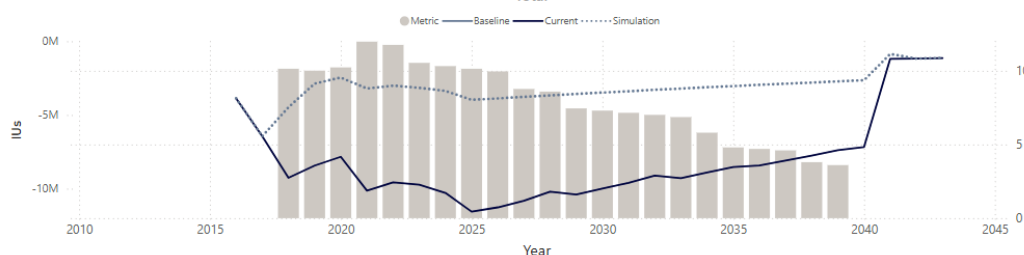
Clear selection

Hydrocarbon production (Mboe)

Year

Accum

Total



## Cost-Benefit Analysis

### Metrics

For each material impact:

- **Select Mitigation Option:** Avoid, Reduce, Restore, and Offset.
- **Assign Efficacy:** Impact reduction (%) or net gain for positive impacts
- **Estimate Costs:** Capex and Opex
- **Calculate Return Of Investment:** Cost Benefit & Net Benefit.

## CASE STUDIES



### COMPARATIVE ASSESSMENTS FOR ESHIA PROCESSES

- New projects in socially / environmentally sensitive areas
- Evaluation of decommissioning options using NEBA-CA (Net Environmental Benefit Analysis and Comparative Analysis) and CBA



### NATURAL CAPITAL STATEMENTS FOR COMPLIANCE AND DISCLOSURE

- Taskforce on Nature-related Financial Disclosures (TNFD)
- Corporate Sustainability Reporting Directive (CSRD)



### PORTFOLIO MANAGEMENT

- Integration of natural capital economics into portfolio appraisals to inform risks and opportunities.



### ENVIRONMENTAL IMPACT MANAGEMENT

- Evaluating potential for CO<sub>2</sub> capture
- Innovative solutions assessed for wastewater treatment, emissions reduction and nature-based solutions



### CORPORATE AND BUSINESS UNIT GOALS

- Assess possible financial returns for new environmental technologies.
- Defining and tracking water-positive and nature-positive outcomes

## OUR DIFFERENTIAL VALUE

- 
- **FINANCIAL VALUE CREATION**  
Facilitates ESG funding access and enables stakeholders to assess strategy, risks, and opportunities in natural capital
  - **BUSINESS MANAGEMENT**  
Integrates ESG criteria into business strategy to enhance decision-making and manage environmental impacts effectively
  - **ENDORSED BY INTERNATIONAL ORGANIZATIONS**  
Follows top sustainability protocols, validated by independent organizations
  - **COMPATIBLE WITH ESG TOOLS**  
Reads is integrated with ArcGIS online with Microsoft Sustainability Manager®. It can be connected via API with ESG tools from AWS and Google.
  - **SECURITY AND USABILITY**  
Secure cloud application with Microsoft standards, accessible via a user-friendly website
  - **PERMITTING AND COMPLIANCE**  
Supports permitting and ensures compliance with TNFD and CSRD through natural capital valuation approaches



