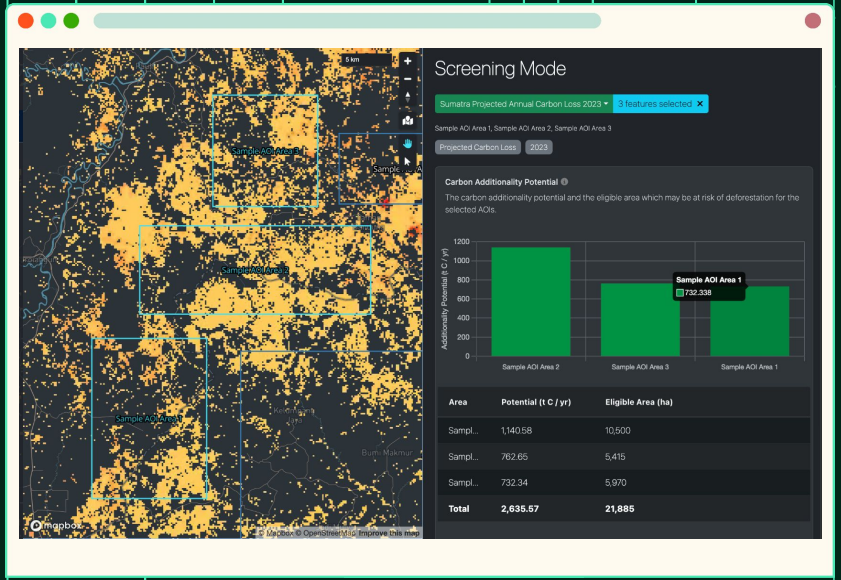
Space Intelligence

NbS Project Screening

Screen nature-based project eligibility and carbon impact potential in minutes with methodology-aligned results.



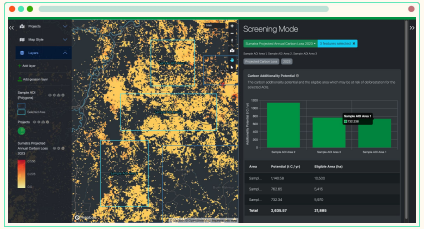
PRODUCT OVERVIEW

OUR CARBON MARKET SOLUTIONS

End-to-end technical services to de-risk your NbS program

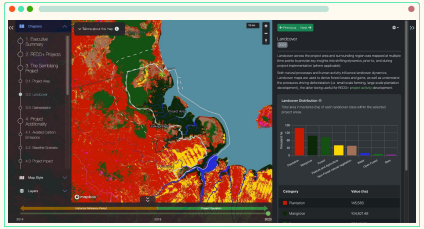
The integrity bar for NbS keeps rising – your due diligence and monitoring needs to keep pace.

Space Intelligence equips investors and credit offtakers with science-backed portfolio tools and expert services to deliver audit-grade insights fast, go beyond standards, and de-risk every project commitment.



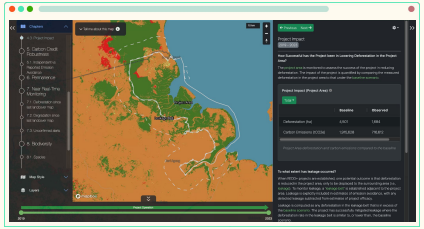
Screening

Instant assessment of eligibility and crediting potential



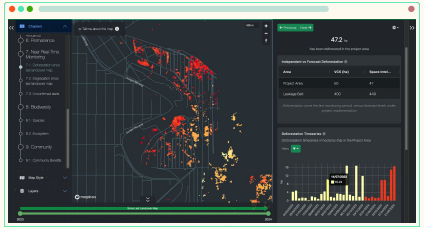
Due Diligence

Detailed, independent assessment of shortlisted projects against key criteria.



Origination

Data, insights and consulting to support project MRV under carbon standards



Monitoring

Ongoing monitoring of actual project performance, including near real-time monitoring

SCREENING

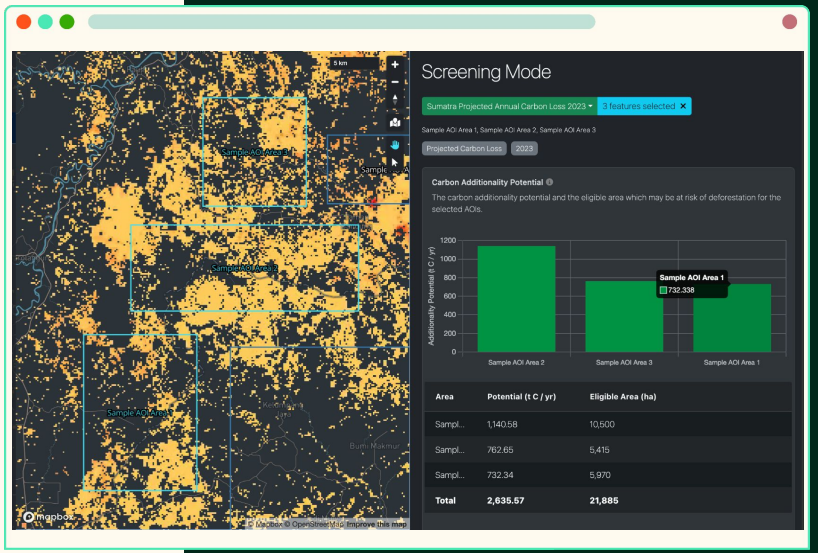
PRODUCT OVERVIEW

NbS Project Screening

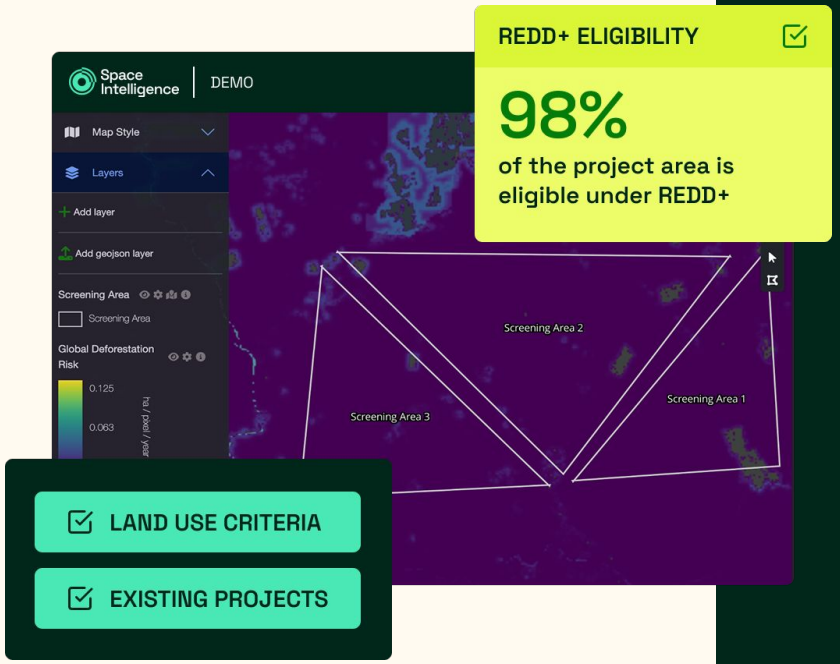
Methodology-aligned eligibility and carbon crediting assessments, without the need for expert-level geospatial analyst resources.

Simply upload any project shapefile and get fast insights about eligibility against methodology, carbon crediting potential, and more.

- **Rapidly assess** eligibility and potential carbon impact of REDD+, ARR and IFM projects in minutes.
- **Balance speed and accuracy** with our screening-grade datasets underpinning analysis.
- **Control key assumptions** that impact results, such as REDD+ project efficacy or growth rates for reforestation projects.
- **Compare potential impact** of projects against each other to shortlist the most suitable options for further due diligence.



AVAILABLE WORKFLOWS	**REDD**	VM0048
	ARR	VM0047 (coming soon)
	IFM	VM0010 (coming soon)

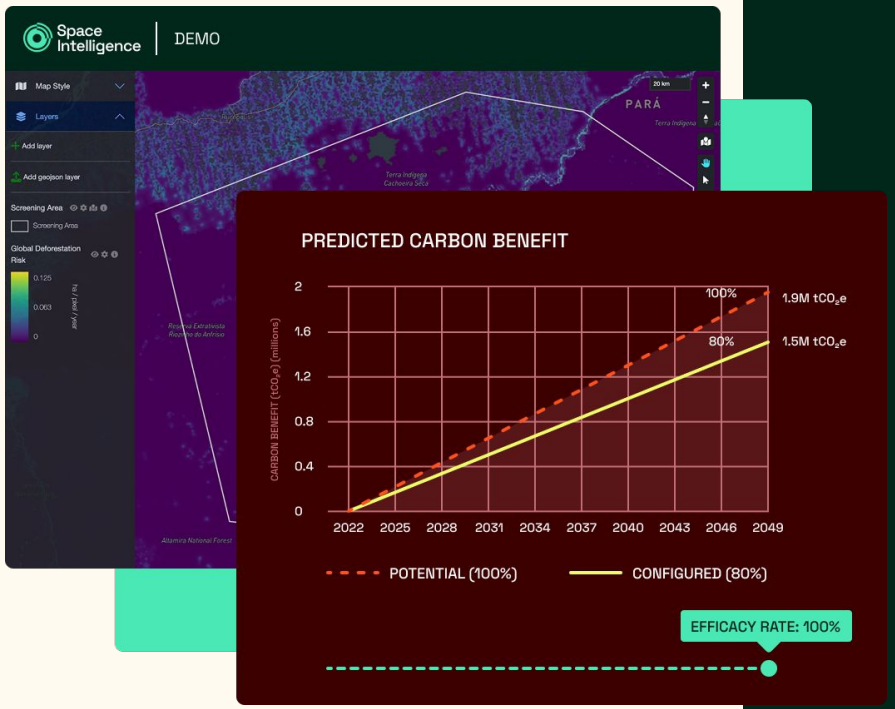


NbS Project Screening

Screen projects in minutes

Cut down time on manual data work and expand your team's capacity to review new projects and meet your program's goals.

- Purpose-built tools to help make shapefile upload and analysis quick and easy.
- Automatic generation of estimates of eligibility and carbon impact based on project details.
- Integration of carbon project registry data to identify and view overlapping project boundaries, populated with key details.
- Easy-to-interpret outputs and tools to support further analysis without the need for expert-GIS analysis skills.



NbS Project Screening

Estimate carbon impact potential and control inputs

Adjust screening parameters based on your own inputs to project details and assumptions to tailor results to your preferences, and model different scenarios.

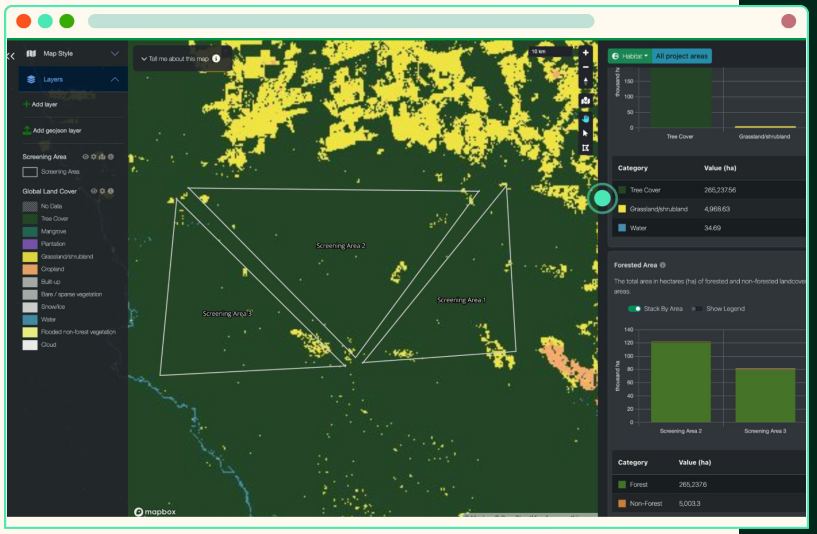
- Adjustable inputs for key project details impact eligibility such as start date, lifetime, and more.
- Inputs impacting carbon and eligibility including project efficacy, growth rates, logging plans, and more relevant to project type.

NbS Project Screening

Streamline reporting to stakeholders

Our NbS Screening tool provides you with a centralized repository of all your screened projects, allowing you and others in your organization to easily access, recall, and compare projects.

- Easily see all screened projects in one place; aggregate projects to see their total combined carbon impact over a time period.
- Export all stats from a screened project in excel or PDF to easily incorporate to your own models or reporting.



NbS Project Screening

See projects in context

We incorporate present day land cover and above-ground carbon to let you easily review land use in and around the project boundaries.

- Summary of Land cover and forested area (ha) in the project.
- Above-ground carbon in the project area (calculated in Mg C/ha).
- View deforestation, deforestation risk, land cover and above-ground biomass across an entire country to support new project area exploration.

Technical Product Specifications

	REDD (AUD)	ARR	IFM	REDD (APD)
Release Date	August 2025	September 2025	Q4 2025	Q4 2025
Methodology	VM0048	VM0047 (Area-based)	VM0010	VM0007
Data Sources	LC/Risk: Land cover: Global Harmonized Layers (30m) Biomass: Global Harmonized Layers (30m)/Verra (100m) Biomass: Global Harmonized Layers (30m)	Land cover: Global Harmonized Layers (30m) Biomass: Global Harmonized Layers (30m)	Land cover: Global Harmonized Layers (30m) Biomass: Global Harmonized Layers (30m)	Land cover: Global Harmonized Layers (30m) Biomass: Global Harmonized Layers (30m)
Coverage	50+ Countries (*See Slide 9 & 10 for details)	Global	Global	Global
User Configurable Inputs	■ General project details ■ Project start year ■ Project AOI (File Upload or Draw) ■ Project duration (Default: 30 years) ■ BGB fraction (Default: country/region BGB fraction or 0.25 otherwise) ■ Project efficacy (Default: 100%)	■ General project details ■ Project start year ■ Project AOI (File Upload or Draw) ■ Performance Benchmark (Default: 0) ■ Growth curve selection (Select from pre-computed list, with future scope for user upload/input)	■ General project details ■ Project start year ■ Project AOI (File Upload or Draw) ■ Annual logging % (Default: 2.5% ■ Rotation length (Default:40 years (1/[a])) ■ Baseline carbon loss due to logging (Default: 10%) ■ Expected regrowth (Default: 2 tCO2e/ha/yr)	■ General project details ■ Project start year ■ Project AOI (File Upload or Draw) ■ Project duration (Default: 30 years) ■ Baseline clearance (Default: 100%) ■ BGB fraction (Default: country/region BGB fraction or 0.25 otherwise)
Eligibility Parameter Checks	■ No overlap with existing forest carbon projects ■ Land classified as forest at project start and for 10 years prior ■ Appropriate land cover type (i.e., excludes specific wetlands landscapes)	■ No overlap with existing forest carbon projects ■ Managed forest ineligibility flag: check against Space Intelligence “Plantation” land cover class for 2020 and current year to flag risk of ineligible area.	■ No overlap with existing forest carbon projects ■ Land classified as forest at project start ■ Appropriate land cover type (i.e., excludes specific wetlands landscapes)	■ No overlap with existing forest carbon projects ■ Land classified as forest at project start ■ Appropriate land cover type (i.e., excludes specific wetlands landscapes)
Carbon Benefits	The predicted carbon benefit potential is the risk (as calculated in predicted hectares of deforestation per pixel per year) multiplied by the total carbon as of project start date.	Estimated Carbon Removal calculation will use potential biomass saturation of surrounding forest area, and allow for configuration through selection of growth curve and adjustment of Performance Benchmark value.	The predicted carbon benefit potential is the carbon loss reduced through the project plus the carbon regrowth since the project started.	The predicted carbon benefit potential is the total carbon in the eligible area spread over the project duration. The baseline clearance can be adjusted by the user to tailor results.

Screening-Grade Dataset Overview

Our NbS Project Screening tool uses our global screening grade land cover, deforestation, and above-ground biomass dataset: Global Harmonised Layers.

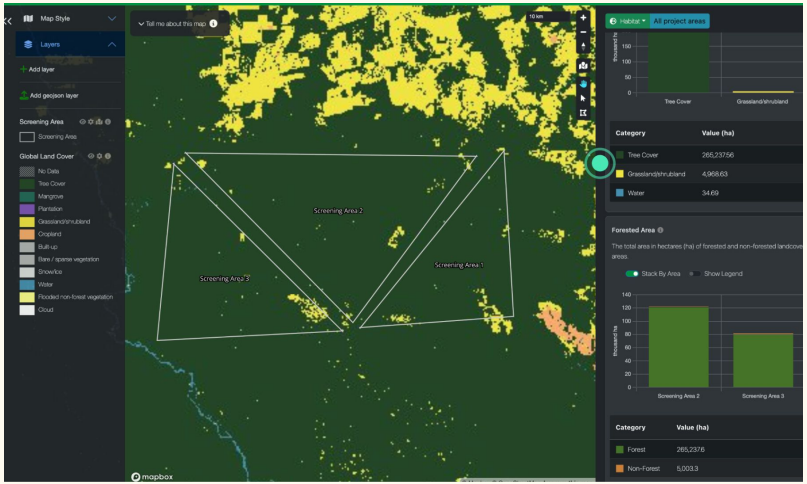
This is built from a smart combination and post-processing of 18 open datasets, which Space Intelligence has built to provide a reliable, consistent, and globally available dataset.

The Problem

Open datasets provide valuable information, but are produced in a variety of ways using different training samples and methods. This means each individual data is only strong in certain areas or for certain types of land cover. This creates challenges for a user trying to select a datasource to use, as these open datasets often don't agree with each other over the same area.

Our Solution

We combine the open datasets to ensure their respective strengths and data points are used to improve the overall quality of the output: for example the combination allows us to cross check deforestation vs. biomass data layers for certain years and calibrate to the most accurate value.



Global Harmonmised Layers Specifications:
30m Resolution
10-class land cover map (2024)
Carbon represented in tonnes of carbon per hectare
Annual deforestation since 2011
More details are available on request

Why Choose Space Intelligence for NbS Project Screening?

- **Purpose-built for NbS Project Workflows**
  saving you time and resource to support your project due diligence funnel
- **Flexible**
  to allow your teams to control inputs and variables you want
- **Science-backed**
  to ensure rigour in calculations and dataset selection, and confidence in your results.

ABOUT US

Driven by Purpose. Led by Experts.

Our co-founders have 30 years of experience in forest assessment using satellite data. They are globally recognised leaders in the field of remote sensing.

Dr Murray Collins
CEO & Co-Founder

Interdisciplinary PhD from the London School of Economics and the Institute of Zoology, ZSL.

Professor Ed Mitchard
Chief Scientist & Co-Founder

PhD in satellite remote sensing to quantify land cover & biomass from the University of Edinburgh

OUR INVESTORS

equinor ICE AzurX

OVERVIEW

Space Intelligence is the global market leader in digital monitoring, verification and reporting (dMRV) for nature-based solutions (NbS).

We provide full-lifecycle solutions to project developers, corporates, governments and investors operating in the Voluntary Carbon Markets (VCM) and compliance markets.

KEY FACTS

- Operating since 2017
- Headquartered in Edinburgh, UK
- 50+ employees (15 PhD qualified)
- Over 100 scientific papers published on satellite data, ML/AI and forest ecology
- Over a billion acres mapped in 35+ countries
- Dedicated Customer Solutions team

We help you de-risk your NbS program with specialist project analytics tools & services

SEE A DEMO @ SPACE-INTELLIGENCE.COM/SCREEN

Request more information
enquiries@space-intelligence.com