

Soil Health & Decarbonization **Solutions**

Build confidence in soil performance through reliable and independent measurement, monitoring and verification.



Why soil matters

The growing importance of soil health

The condition of your soil can influence environmental performance, operational resilience, regulatory compliance, and land value, helping organizations determine whether soil is becoming an asset or a source of risk. As organizations face increasing environmental, operational and sustainability challenges, understanding soil has become a strategic business priority, helping reduce risk, protect natural resources and support more informed decisions throughout the land lifecycle.

That's where SGS can help.

Through our global network, we provide integrated soil testing, monitoring and verification solutions to support companies to understand their soil performance, establish reliable baselines, monitor change over time and independently verify environmental outcomes that can be acted upon.

Whether assessing soil contamination, improving soil health or measuring soil carbon baselines, trusted scientific data enables organizations to make confident ecological, operational and strategic decisions.



Turning soil data into trusted outcomes.

Why organizations are investing more in understanding soil

Organizations are placing greater emphasis on understanding and managing soil as environmental, regulatory and business expectations continue to evolve.



REGULATORY EXPECTATIONS

Environmental legislation continues to evolve worldwide, increasing the need for defensible soil data.



CARBON MARKETS

Organizations require credible measurement and independent verification to participate confidently.



SUPPLY CHAIN TRANSPARENCY

Customers increasingly expect verifiable data behind sustainability claims.



LAND STEWARDSHIP

Better soil data supports productivity, resilience and long-term land value.



ENVIRONMENTAL LIABILITIES

Understanding contamination early helps reduce financial and operational risks.

Meeting these evolving expectations requires reliable scientific data, consistent methodologies and independent expertise throughout the soil lifecycle.

IMPACT NOW ON NATURE

Backed by more than 30 years of sustainability expertise, we help organizations across industries transform environmental challenges into measurable outcomes. Our soil solutions support sustainability goals while contributing to credible climate action through independently verified results.

Discover the Nature Pillar of IMPACT NOW



A lifecycle approach to soil performance

The SGS soil intelligence framework supports informed action at every stage, from establishing the starting point to measuring progress and demonstrating results.

01 UNDERSTAND:

What is happening in my soil today?

Build a reliable baseline that supports compliance, protects land value and enables confident environmental and operational decisions.

02 MONITOR:

How and why is it changing over time, and what can I improve?

Track change over time to identify emerging risks, measure progress and support confident environmental, operational and sustainability decisions.

03 VERIFY:

How can I demonstrate measurable outcomes?

Independently verify soil-related outcomes to strengthen reporting, substantiate claims and build confidence among stakeholders.

01

Understand

Every soil decision starts with understanding what's beneath the surface.

Understanding current soil conditions is the foundation for every successful project. Whether you're assessing soil contamination, evaluating soil health, establishing a soil carbon baseline or preparing land for development, reliable scientific data helps you identify risks, protect land value and make informed decisions from the start.

Our services include:

- Soil sampling, drilling and site investigations
- Geochemistry and mineralogy for ERW projects
- Soil contaminant testing, including PFAS, metals and hydrocarbons
- Microplastics in soil analysis
- eDNA and soil microbiome analysis
- Soil health, quality and pesticide residue laboratory analysis
- Soil classification and mapping
- Environmental fate studies under GLP



With more than 20 years of PFAS expertise, **SGS pioneered PFASafe®**, the first comprehensive four-step approach that strengthens PFAS monitoring designed to reveal PFAS risks in soil beyond standard target lists.



02

Monitor

Soil conditions change. Reliable monitoring shows you how, where and why.

Monitoring soil conditions over time is essential for understanding change and evaluating the effectiveness of actions. Whether you're tracking contamination, measuring soil health, monitoring carbon or assessing remediation and restoration, consistent scientific data helps you identify emerging risks, demonstrate progress and make informed decisions as conditions evolve.

Our services include:

- Environmental monitoring and risk assessment
- Soil carbon monitoring
- Soil health and quality monitoring
- Soil microbiome and biodiversity monitoring
- Soil contaminant monitoring, including PFAS, metals, hydrocarbons and pesticide residues
- Contaminant migration and remediation monitoring
- Precision agriculture services



Selected by the European Commission's Joint Research Centre for the EU's largest soil monitoring program, **SGS is analyzing more than 35,000 soil samples** to establish reliable baselines for organic carbon, biodiversity and pollution risks.

03

Verify

Credible outcomes require independent assurance.

We provide independent verification services that help organizations assess, validate and communicate soil-related performance in line with recognized frameworks and standards. Our assessments support sustainability reporting, carbon market participation and supply-chain assurance by providing objective, third-party verification of data, systems and claims.

Our services include:

- Carbon project validation and verification
- Soil carbon verification
- Regenerative agriculture verification
- Land-sector greenhouse gas (GHG) verification

Additional certification services:

We also provide GLOBALG.A.P. certification to help demonstrate responsible farming practices and effective management systems.

As a **Verra-approved Validation and Verification Body**, SGS helps ensure that soil and land-based carbon projects deliver credible, transparent and independently verified outcomes.

Soil intelligence across industries

Helping organizations transform soil data into better environmental and business decisions.

SGS supports organizations across a wide range of industries with testing, monitoring and independent verification solutions.



AGRICULTURE
AND FOOD



CONSTRUCTION
AND INFRASTRUCTURE



ENERGY AND
RENEWABLES



MANUFACTURING
AND INDUSTRIAL SITES



MINING AND
METALS



OIL, GAS AND
CHEMICALS



Why choose SGS?

Managing soil health and supporting decarbonization requires more than individual testing services. Organizations need reliable data, scientific expertise and independent verification working together throughout the decision-making process.

Whether assessing contamination, improving soil health, developing land or advancing carbon initiatives, SGS helps transform soil data into trusted outcomes through an integrated approach that combines testing, monitoring and assurance.

Integrated soil capabilities

Sampling, investigation, laboratory analysis, monitoring and verification through one company.

Scientific depth

Specialist expertise across soil health, contaminants, carbon, biodiversity, microbiology and environmental risk.

Independent credibility

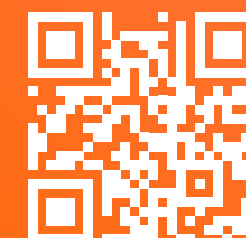
Objective data and third-party assurance that strengthen decisions, reporting and environmental claims.

Global consistency, local expertise

A worldwide laboratory and expert network delivering reliable data aligned with local conditions and regulatory requirements.

Start your
journey to
excellence
today.

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When you need to be sure

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