



Improving your Environmental Management System

Standards that you can use to improve your processes and outcomes

Putting an environmental management system (EMS) at the heart of your organization's operations can help you to meet environmental regulations, and improve efficiency and environmental performance.

Having an EMS can ensure business continuity, and puts measures in place to better manage water, carbon, energy, biodiversity and climate challenges.

No matter where you are on your journey, BSI standards can help you create, or improve, an EMS with our suite of environmental management standards. You can apply our standards, to the whole, or part of your environmental management system.



Managing Carbon

BS EN ISO 14064-1 **Greenhouse Gases** – Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals

PAS 2050 – Specification for the assessment of the life cycle greenhouse gas emissions of goods and services



Managing Biodiversity

BS 8583 **Biodiversity** – Guidance for business on managing risks and opportunities

BS 42020 **Biodiversity** – Code of practice for planning and developing

Your Environmental Management System

Implementation BS EN ISO 14001

Guidance BS EN ISO 14004

Evaluation BS EN ISO 14031

Phased Implementation BS 8555



Managing Energy

BS EN ISO 50001 **Energy Management Systems** – Requirements with guidance for use

BS EN 16247-1 – **Energy Audits** – General requirements



Managing Water

BS EN ISO 14046 **Water Footprint** – Principles, requirements, guidelines



Implementing an EMS

BS EN ISO 14001 Environmental management systems

Suitable for all sizes of organization, this **best-selling standard** maps out a framework that a company or organization can follow to **set up an effective EMS** including policies and objectives.

BS EN ISO 14004 EMS – General guidelines on implementation

ISO 14004 **provides practical guidance** on the implementation and operation of an EMS. Thanks to its **high level of detail**, this standard can provide particular support to those who might have fewer resources or feel uncertain about where to start. It includes in depth information on the **recent changes to ISO 14001**.

BS EN ISO 14031 Environmental performance evaluation – Guidelines

BS EN ISO 14031 helps organizations get the most out of managing their environmental aspects by providing tools to **identify, measure, evaluate** and **communicate** their **environmental performance**.

BS 8555 Environmental management systems - Phased implementation

BS 8555 **provides a way for business of any size to improve** their environmental performance by building an EMS in five phased stages.



Managing Water

BS EN ISO 14046 Water Footprint - Principles, requirements, guidelines

ISO 14046 specifies information on water footprint assessment of products, processes and organizations. A water footprint can assist in: identifying opportunities to **reduce water usage**, strategic **risk management** in relation to water, facilitate **water efficiency** and **inform decision-making**.



Managing Energy

BS EN ISO 50001 Energy management systems – requirements with guidance for use

BS EN ISO 50001 provides a comprehensive scope of requirements to run an **efficient energy management system**. These include **energy policies, planning, legal requirements**, as well as **energy reviews, baseline** and **performance indicators**.

BS EN 16247-1 Energy audit

This standard defines the attributes of a good quality energy audit and specifies the **requirements, common methodology** and **deliverables for energy audits**. It applies to all forms of organizations, **all forms of energy** and uses of **energy information**.



Managing Biodiversity

BS 8583 Biodiversity - Guidance for businesses on managing risks and opportunities

BS 8583 provides guidance on how you can incorporate biodiversity into your Environmental Management System. It sets out a four-step process to enable **immediate improvements on biodiversity**, and provides examples of biodiversity opportunities and risks in the context of global, national and local targets for biodiversity.

BS 42020 Biodiversity – Code of practice for planning and developing

BS 42020 is a **legal compliance management** tool designed to help organizations in the planning process. It includes **guidance on applications**, how to produce **clear and concise ecological information** and how to demonstrate **biodiversity is being managed**.



Managing Carbon

BS EN ISO 14064-1 GHGs - Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals

BS EN ISO 14064-1 details principles and requirements for **designing, developing, managing and reporting** GHG inventories. It includes requirements and guidance on inventory quality management, reporting, internal auditing and the organization's responsibilities for verification activities.

PAS 2050 Specification for the assessment of the life cycle GHG emissions of goods and services

PAS 2050 provides a method for assessing the life cycle of GHG emissions of goods and services. It can help organizations devise programmes to **reduce GHG emissions**, carry out **internal assessments** of GHG emissions, **evaluate alternative product** configurations and **report on corporate responsibility**.

About BSI

BSI (the British Standards Institution) is the UK's National Standards Body and a founding member of ISO (the International Organization for Standardization). With over 80,000 clients in 172 countries, BSI's standards inspire excellence across the globe. We publish around 2,500 new standards every year and there are around 25,000 current standards covering every conceivable sector of business and industry.

Other useful tools

Standards can provide consistent and reliable information to help you better manage your organizational processes. Find out more how environmental standards can help your business:

- See Fujitsu, Wiles Greenworld and BTU talk about using ISO 14001 to create an EMS
- Take a look at our online Sustainability Navigator tool to identify what standards you specifically need to support your EMS: bsigroup.com/Sustainability-Standards-Navigator/
- Find out more about ISO 14001 including training at bsigroup.com/iso14001
- Visit bsigroup.com/industries-and-sectors/environmental-management-and-sustainability or shop.bsigroup.com for additional information

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